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

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| Site Information:                     | Page 1:             |
|---------------------------------------|---------------------|
| Customer: W. B. Howland Company, Inc. | Job Number: 20-4946 |
| Job Description: Cody Barrs New Home  |                     |
| Address: FL                           |                     |

| Job Engineering Criteria:                        |
|--------------------------------------------------|
| Design Code: FBC 7th Ed. 2020 Res                |
| IntelliVIEW Version: 20.01.01A through 20.02.01A |
| JRef #: 1X2R2150013                              |
| Wind Standard: ASCE 7-16 Wind Speed (mph): 130   |
| Design Loading (psf): 40.00, 55.00               |
| Building Type: Closed                            |

This package contains general notes pages, 42 truss drawing(s) and 7 detail(s).

| Item | Drawing Number    | Truss |
|------|-------------------|-------|
| 1    | 039.21.1655.23960 | A01   |
| 3    | 039.21.1655.28140 | A03   |
| 5    | 039.21.1655.33187 | A05   |
| 7    | 039.21.1655.38623 | B02   |
| 9    | 039.21.1655.49570 | B05   |
| 11   | 039.21.1656.35763 | C01   |
| 13   | 039.21.1656.38803 | C03   |
| 15   | 039.21.1656.41220 | D01   |
| 17   | 039.21.1656.43277 | D03   |
| 19   | 039.21.1656.45547 | F02   |
| 21   | 039.21.1656.47323 | F04   |
| 23   | 039.21.1656.50770 | F06   |
| 25   | 039.21.1656.52957 | F08   |
| 27   | 039.21.1656.58783 | FTG01 |
| 29   | 039.21.1657.13023 | FTG04 |
| 31   | 039.21.1657.27923 | J01   |
| 33   | 039.21.1657.32013 | M02   |
| 35   | 039.21.1657.34570 | M04   |
| 37   | 039.21.1657.36820 | M06   |
| 39   | 039.21.1657.39213 | M08   |
| 41   | 039.21.1659.01173 | PB02  |
| 43   | A14030ENC160118   |       |
| 45   | BRCLBSUB0119      |       |
| 47   | A14015ENC160118   |       |
| 49   | CNNAILSP1014      |       |

| Item | Drawing Number    | Truss |
|------|-------------------|-------|
| 2    | 039.21.1655.26027 | A02   |
| 4    | 039.21.1655.30920 | A04   |
| 6    | 039.21.1655.37123 | B01   |
| 8    | 039.21.1655.39497 | B04   |
| 10   | 039.21.1656.33227 | B06   |
| 12   | 039.21.1656.37380 | C02   |
| 14   | 039.21.1656.40123 | C04   |
| 16   | 039.21.1656.42370 | D02   |
| 18   | 039.21.1656.44033 | F01   |
| 20   | 039.21.1656.46497 | F03   |
| 22   | 039.21.1656.49250 | F05   |
| 24   | 039.21.1656.51817 | F07   |
| 26   | 039.21.1656.53667 | F09   |
| 28   | 039.21.1657.06447 | FTG02 |
| 30   | 039.21.1657.26343 | G01   |
| 32   | 039.21.1657.30290 | M01   |
| 34   | 039.21.1657.33293 | M03   |
| 36   | 039.21.1657.35673 | M05   |
| 38   | 039.21.1657.38453 | M07   |
| 40   | 039.21.1658.46743 | PB01  |
| 42   | 039.21.1658.12400 | FTG03 |
| 44   | GBLLETIN0118      |       |
| 46   | STRBRIBR1014      |       |
| 48   | PB160160118       |       |



## **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 [www.icc-es.org](http://www.icc-es.org).

### **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.

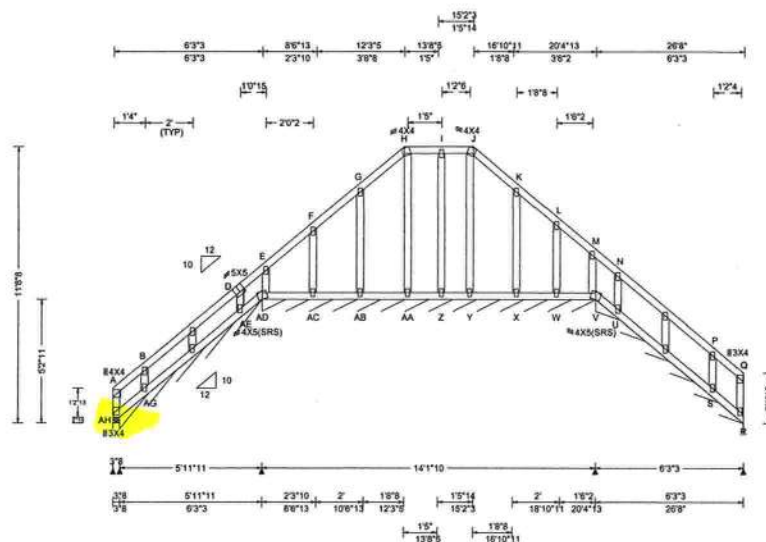
Refer to ASCE-7 for Wind and Seismic abbreviations.

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](http://www.awc.org).
2. ICC: International Code Council; [www.iccsafe.org](http://www.iccsafe.org).
3. Alpine, a division of ITW Building Components Group Inc.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; [www.alpineitw.com](http://www.alpineitw.com).
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; [www.tpinst.org](http://www.tpinst.org).
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; [www.sbcindustry.com](http://www.sbcindustry.com).

|                           |                |                  |                                                                |                                                                                  |
|---------------------------|----------------|------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338251<br>FROM: CDM | GABL<br>Qty: 1 | Ply: 1<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: A01 | Cust: R 215 JRef: 1X2R2150013 T40<br>DrwNo: 039.21.1655.23960<br>/ YK 02/08/2021 |
|---------------------------|----------------|------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                       | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                              | Defl/CSI Criteria                                                                                                                                                                                                                                                    | ▲ Maximum Reactions (lbs), or *PLF                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 22.10 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT: 20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.033 C 999 480<br>VERT(CL): 0.064 C 907 360<br>HORZ(LL): -0.194 E - -<br>HORZ(TL): 0.284 E - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.468<br>Max BC CSI: 0.361<br>Max Web CSI: 0.687<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>AH 108 -/- /- /879 /811 /628<br>AD*165 -/- /- /213 /128 -/-<br>AD*161 -/- /- /118 /26 -/-<br>V* 154 -/- /- /173 /104 -/-<br>Wind reactions based on MWFRS<br>AH Brg Width = 3.5 Min Req = 1.5<br>AH Brg Width = 71.7 Min Req = -<br>AD Brg Width = 169 Min Req = -<br>V Brg Width = 75.2 Min Req = -<br>Bearings AH, AD, & V are a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

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

#### Bracing

Fasten rated sheathing to one face of this frame.

#### Plating Notes

All plates are 2X4 except as noted.

#### Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

#### Purlins

In lieu of structural panels use purlins to brace all sloping TC @ 24" oc; all flat TC @ 0" oc.

#### Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

#### Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is 11'-5.9.



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02/08/2021

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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| AH-AG  | 564 -552   | AG-AE  | 408 -449    |

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

| Webs | Tens.Comp. | Webs | Tens. Comp. |
|------|------------|------|-------------|
| E-AD | 444 -546   | Y-J  | 5 -467      |
| F-AC | 313 -387   | M-V  | 362 -401    |
| H-AA | 103 -465   |      |             |

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

| Gables | Tens.Comp. | Gables | Tens. Comp. |
|--------|------------|--------|-------------|
| A-AH   | 392 -443   | U-N    | 427 -497    |
| B-AG   | 388 -435   | S-P    | 331 -406    |
| D-AE   | 539 -561   |        |             |

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

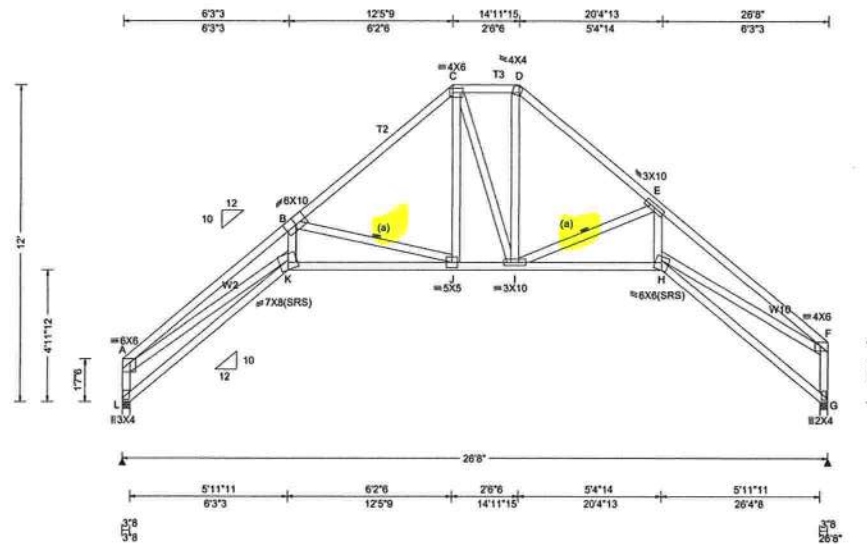
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCE: [sbceindustry.com](http://sbceindustry.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)



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|                               |                                   |                                     |                                 |                                               |
|-------------------------------|-----------------------------------|-------------------------------------|---------------------------------|-----------------------------------------------|
| <b>Loading Criteria</b> (psf) | <b>Wind Criteria</b>              | <b>Snow Criteria</b> (Pg,Pf in PSF) | <b>Defl/CSI Criteria</b>        | <b>▲ Maximum Reactions (lbs)</b>              |
| TCLL: 20.00                   | Wind Std: ASCE 7-16               | 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): 0.311 K 999 480       | Loc R+ / R- / Rh / Rw / U / RL                |
| BCLL: 0.00                    | Enclosure: Closed                 | Lu: NA Cs: NA                       | VERT(CL): 0.691 K 460 360       | L 1185 /- /- /691 /145 /319                   |
| BCDL: 10.00                   | Risk Category: II                 | Snow Duration: NA                   | HORZ(LL): 0.461 G - -           | G 1185 /- /- /679 /148 /-                     |
| Des Ld: 40.00                 | EXP: C Kzt: NA                    |                                     | HORZ(TL): 1.025 G - -           | Wind reactions based on MWFRS                 |
| NCBCLL: 10.00                 | Mean Height: 22.56 ft             | Building Code:                      | Creep Factor: 2.0               | L Brg Width = 3.5 Min Req = 1.5               |
| Soffit: 2.00                  | TCDL: 5.0 psf                     | FBC 7th Ed. 2020 Res.               | Max TC CSI: 0.947               | G Brg Width = 3.5 Min Req = 1.5               |
| Load Duration: 1.25           | BCDL: 5.0 psf                     | TPI Std: 2014                       | Max BC CSI: 0.920               | Bearings L & G are a rigid surface.           |
| Spacing: 24.0 "               | MWFRS Parallel Dist: h/2 to h     | Rep Fac: Yes                        | Max Web CSI: 0.978              | Members not listed have forces less than 375# |
|                               | C&C Dist a: 3.00 ft               | FT/RT:20(0)/10(0)                   |                                 | <b>Maximum Top Chord Forces Per Ply (lbs)</b> |
|                               | Loc. from endwall: not in 9.00 ft | Plate Type(s):                      |                                 | Chords Tens.Comp. Chords Tens. Comp.          |
|                               | GCpi: 0.18                        | WAVE                                | VIEW Ver: 20.02.01A.1209.11     | A - B 845 - 5009 D - E 404 - 1602             |
|                               | Wind Duration: 1.60               |                                     |                                 | B - C 399 - 1657 E - F 586 - 3569             |
| <b>Lumber</b>                 |                                   |                                     |                                 | C - D 363 - 1148                              |

The overall height of this truss excluding overhang is 12-0-0.

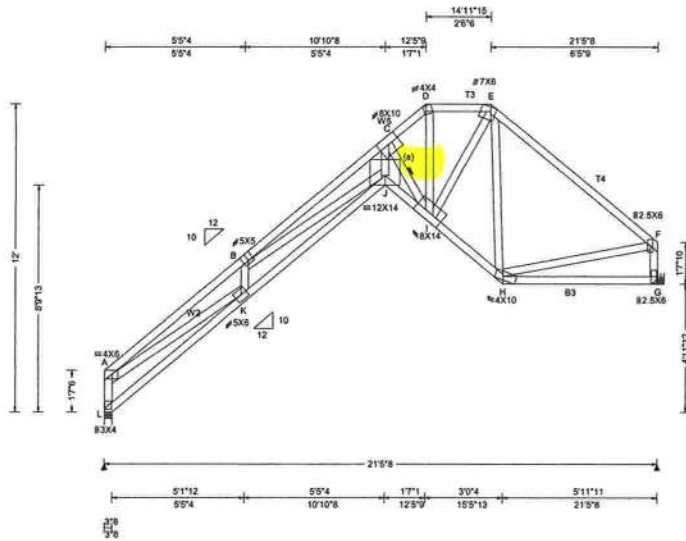


For more information see these web sites: Alpine: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCA: [sbcindustry.com](http://sbcindustry.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)



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|                           |                          |                                                                |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338253<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 7 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: A03 | Cust: R 215 JRef: 1X2R2150013 T39<br>DrwNo: 039.21.1655.28140<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                                 | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                | Defl/CSI Criteria                                                                                                                                                                                                                                                       | Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 22.56 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: h to 2h<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT: 20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.302 J 850 480<br>VERT(CL): 0.682 J 376 360<br>HORZ(LL): 0.391 G - -<br>HORZ(TL): 0.885 G - -<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.654<br>Max BC CSI: 0.471<br>Max Web CSI: 0.797<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>L 986 /- /- /598 /3 /306<br>G 954 /- /- /596 /68 /-<br>Wind reactions based on MWFRS<br>L Brg Width = 3.5 Min Req = 1.5<br>G Brg Width = - Min Req = -<br>Bearing L is a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.<br>A - B 1015 -3685 D - E 422 -1225<br>B - C 1142 -4589 E - F 304 -1017<br>C - D 544 -1597 |

#### Lumber

Top chord: 2x4 SP M-31; T3, T4 2x4 SP #2;  
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;  
Webs: 2x4 SP #3; W2 2x4 SP #2; W5 2x4 SP M-31;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Hangers / Ties

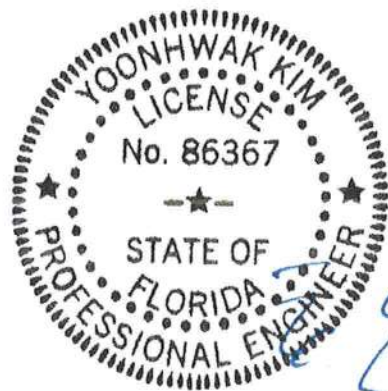
(J) Hanger Support Required, by others

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
End verticals not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of this truss excluding overhang is 12'-0".



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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| L - K  | 376 -431   | J - I  | 4163 -954   |
| K - J  | 3666 -1188 | I - H  | 984 -204    |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| A - L | 299 -916   | D - I | 926 -323    |
| A - K | 3155 -791  | I - E | 965 -215    |
| K - B | 291 -624   | E - H | 206 -649    |
| B - J | 717 0      | H - F | 646 -100    |
| J - C | 5348 -1228 | F - G | 261 -900    |
| C - I | 1086 -4197 |       |             |

**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
**\*\*IMPORTANT\*\*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS  
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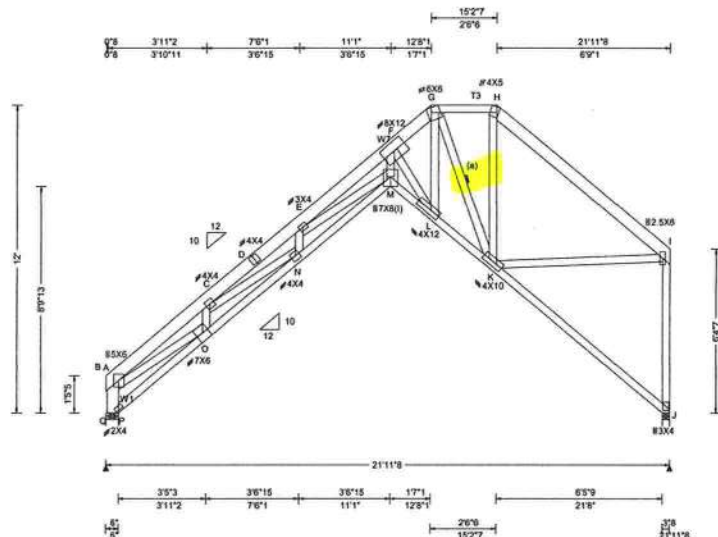
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|                           |                           |                                                                |                                                                                  |
|---------------------------|---------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338254<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 15 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: A04 | Cust: R 215 JRef: 1X2R2150013 T33<br>DrwNo: 039.21.1655.30920<br>/ YK 02/08/2021 |
|---------------------------|---------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                                                      | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                 | Defl/CSI Criteria                                                                                                                                                                                                                                                       | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0" | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 22.47 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCp: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT: 20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.267 M 962 480<br>VERT(CL): 0.610 M 420 360<br>HORZ(LL): 0.475 J - -<br>HORZ(TL): 1.086 J - -<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.305<br>Max BC CSI: 0.509<br>Max Web CSI: 0.976<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ /R- /Rh /Rw /U /RL<br>Q 1018 -/- /- /627 /184 /311<br>J 990 -/- /- /616 /250 -/-<br>Wind reactions based on MWFRS<br>Q Brg Width = 6.0 Min Req = 1.5<br>J Brg Width = 3.5 Min Req = 1.5<br>Bearings Q & J are a rigid surface.<br>Members not listed have forces less than 375#<br>Maximum Top Chord Forces Per Ply (lbs)<br>Chords Tens.Comp. Chords Tens. Comp. |

#### Lumber

Top chord: 2x6 SP 2400f-2.0E; T3 2x4 SP #2;  
Bot chord: 2x4 SP M-31;  
Webs: 2x4 SP #3; W1 2x6 SP 2400f-2.0E;  
W7 2x4 SP M-31;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Plating Notes

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

#### Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

#### Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is 12'-0-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| P - O  | 154 -459   | M - L  | 4288 -1282  |
| O - N  | 2607 -1289 | L - K  | 1624 -421   |
| N - M  | 4313 -1695 |        |             |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| B - P | 351 -785   | F - L | 1380 -4064  |
| B - O | 2455 -945  | L - G | 1880 -663   |
| O - C | 376 -740   | G - K | 389 -1299   |
| C - N | 1440 -339  | K - H | 406 -69     |
| N - E | 164 -388   | K - I | 797 -166    |
| F - M | 5482 -1697 | J - I | 356 -911    |

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

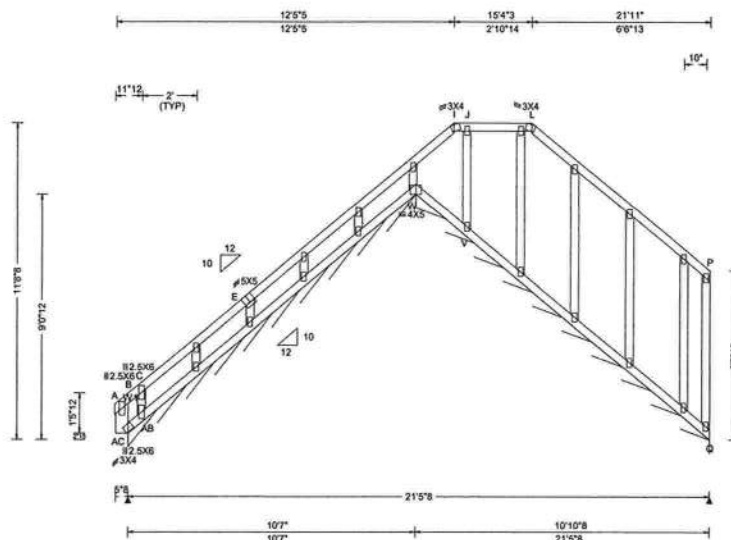
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|                           |                          |                                                                |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338282<br>FROM: CDM | GABL<br>Ply: 1<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: A05 | Cust: R 215 JRef: 1X2R2150013 T31<br>DrwNo: 039.21.1655.33187<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                       | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                              | Defl/CSI Criteria                                                                                                                                                                                                                                                        | ▲ Maximum Reactions (lbs), or *PLF                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 22.01 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT: 20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.013 H 999 480<br>VERT(CL): 0.026 H 999 360<br>HORZ(LL): -0.077 P - -<br>HORZ(TL): 0.107 P - -<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.615<br>Max BC CSI: 0.161<br>Max Web CSI: 0.255<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>AC*172 /- /- /118 /85 /57<br>W* 165 /- /- /83 /20 /-<br>AB /-352<br>Wind reactions based on MWFRS<br>AC Brg Width = 127 Min Req = -<br>W Brg Width = 130 Min Req = -<br>Bearings AC & W are a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp. |

**Lumber**  
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3; W1 2x6 SP 2400F-2.0E;

**Bracing**  
Fasten rated sheathing to one face of this frame.

**Plating Notes**  
All plates are 2X4 except as noted.

**Loading**  
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

**Purlins**  
In lieu of structural panels use purlins to brace all sloping TC @ 24" oc; all flat TC @ 0" oc.

**Wind**  
Wind loads based on MWFRS with additional C&C member design.  
End verticals not exposed to wind pressure.  
Left cantilever is exposed to wind  
Wind loading based on both gable and hip roof types.

**Additional Notes**  
See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.  
Shim all supports to solid bearing.  
The overall height of this truss excluding overhang is 11-5-9.



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02/08/2021

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

AB-W 745 -624

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

B-AC 843 -1312

**Maximum Gable Forces Per Ply (lbs)**  
Gables Tens.Comp. Gables Tens. Comp.

C-AB 1027 -748 V-J 65 -377

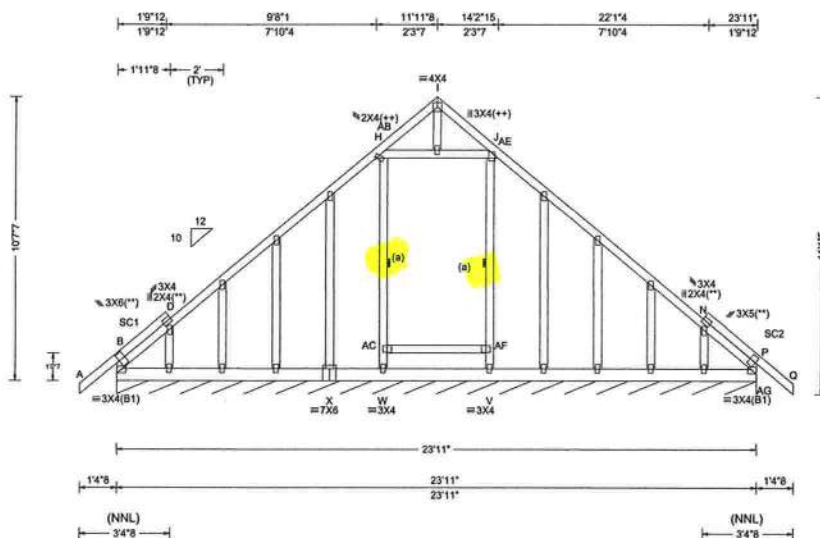
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| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                      | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                               | Defl/CSI Criteria                                                                                                                                                                                                                                                   | ▲ Maximum Reactions (lbs), or *PLF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.25 ft<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT: 20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.006 I 999 480<br>VERT(CL): 0.012 I 999 360<br>HORZ(LL): 0.002 K - -<br>HORZ(TL): 0.005 K - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.500<br>Max BC CSI: 0.032<br>Max Web CSI: 0.355<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>AG*185 /- /- /81 /- /9<br>Wind reactions based on MWFRS<br>AG Brg Width = 287 Min Req = -<br>Bearing B is a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.<br>D - H 422 -293 N - P 130 -593<br><br><b>Maximum Bot Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.<br>X - W 451 -100 V - P 451 -100<br>W - V 450 -100<br><br><b>Maximum Gable Forces Per Ply (lbs)</b><br>Gables Tens.Comp. Gables Tens. Comp.<br>AB-AC 0 -407 AE-AF 152 -407<br>AC - W 0 -407 AF - V 152 -407 |

#### Lumber

Top chord: 2x4 SP #2;  
Bot chord: 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #3;  
Stack Chord: SC1 2x4 SP #2;  
Stack Chord: SC2 2x4 SP #2;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Plating Notes

All plates are 2X4 except as noted.

(++) - This plate works for both joints covered.

(\*\*) 4 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

#### Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

#### Purlins

In lieu of structural panels use purlins to brace TC @ 24" oc.

#### Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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02/08/2021

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|              |      |        |                     |                                   |
|--------------|------|--------|---------------------|-----------------------------------|
| SEQN: 338286 | GABL | Ply: 1 | Job Number: 20-4946 | Cust: R 215 JRef: 1X2R2150013 T18 |
| FROM: CDM    |      | Qty: 2 | Cody Barrs New Home | DrwNo: 039.21.1655.37123          |
| Page 2 of 2  |      |        | Truss Label: B01    | / YK 02/08/2021                   |

#### Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in noticable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in noticable area using 3x6.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

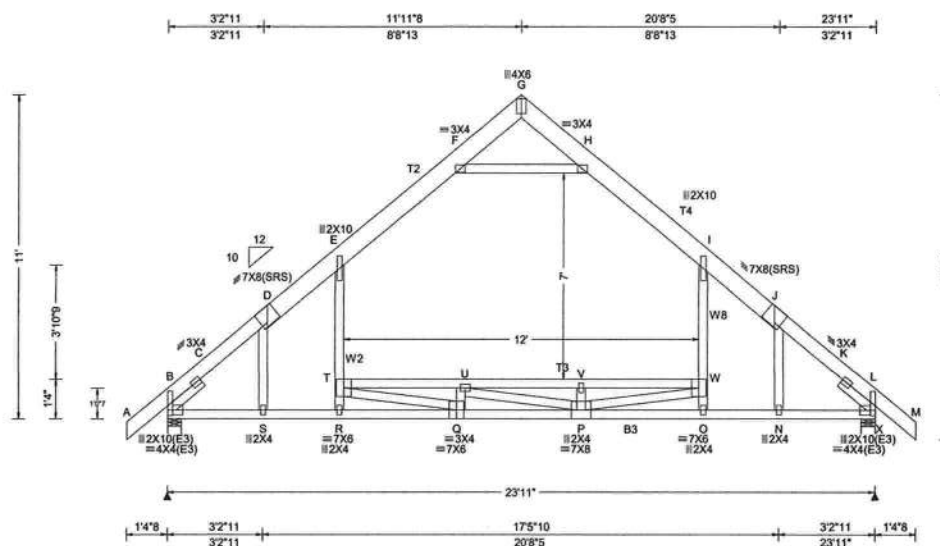
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| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                       | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                | Defl/CSI Criteria                                                                                                                                                                                                                                                       | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.00<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.44 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT: 20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.255 F 999 480<br>VERT(CL): 0.501 F 572 360<br>HORZ(TL): 0.151 E - -<br>HORZ(LL): 0.345 E - -<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.660<br>Max BC CSI: 0.900<br>Max Web CSI: 0.942<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 1976 /- /- /691 /171 /361<br>X 1976 /- /- /691 /171 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 5.5 Min Req = 2.3<br>X Brg Width = 5.5 Min Req = 1.6<br>Bearings B & X are a rigid surface.<br>Members not listed have forces less than 375#<br>Maximum Top Chord Forces Per Ply (lbs)<br>Chords Tens.Comp. Chords Tens. Comp. |

#### Lumber

Top chord: 2x6 SP 2400f-2.0E; T2,  
T4 2x8 SP 2400f-2.0E; T3 2x4 SP #2;  
Bot chord: 2x4 SP #2; B3 2x4 SP M-31;  
Webs: 2x4 SP #3; W2, W8 2x4 SP #2;  
Lt Slider: 2x4 SP #3; block length = 1.500'  
Rt Slider: 2x4 SP #3; block length = 1.500'

#### Loading

Attic room loading from 5-11-8 to 17-11-8: Live Load: 40  
PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls:  
10 PSF

#### Purlins

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.

Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of this truss excluding overhang is  
11-0-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| B - S  | 1461 -94   | P - O  | 1541 -84    |
| S - R  | 1463 -95   | O - N  | 1465 -38    |
| R - Q  | 1528 -228  | N - L  | 1461 -36    |
| Q - P  | 3452 0     |        |             |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| E - T | 957 0      | U - V | 0 -1984     |
| T - Q | 1941 0     | P - W | 1978 0      |
| T - U | 0 -1923    | V - W | 0 -1991     |
| F - H | 678 -2400  | W - I | 984 0       |
| Q - U | 58 -415    |       |             |

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

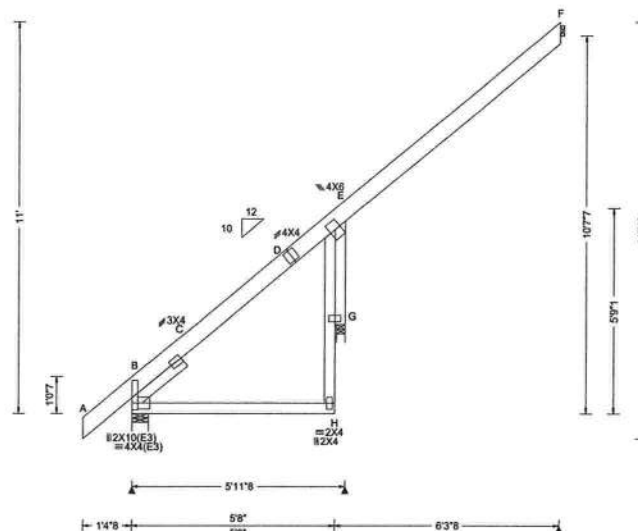
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|                           |                           |                                                                |                                                                                  |
|---------------------------|---------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338258<br>FROM: CDM | MONO<br>Ply: 1<br>Qty: 11 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: B04 | Cust: R 215 JRef: 1X2R2150013 T17<br>DrwNo: 039.21.1655.39497<br>/ YK 02/08/2021 |
|---------------------------|---------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                                  | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                | Defl/CSI Criteria                                                                                                                                                                                                                                                         | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.44 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: h/2 to h<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): -0.011 C 999 480<br>VERT(CL): 0.020 C 999 360<br>HORZ(LL): -0.013 C - -<br>HORZ(TL): 0.020 C - -<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.119<br>Max BC CSI: 0.288<br>Max Web CSI: 0.252<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 330 /- /- /232 /- /382<br>G 533 /- /- /480 /350 /-<br>F 166 /- /- /132 /110 /-<br><br>Wind reactions based on MWFRS<br>B Brg Width = 5.5 Min Req = 1.5<br>G Brg Width = 3.0 Min Req = 1.5<br>F Brg Width = 1.5 Min Req = -<br>Bearings B & G are a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp. |

#### Lumber

Top chord: 2x6 SP 2400f-2.0E;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;  
Lt Slider: 2x4 SP #3; block length = 1.843'  
Rt Bearing Leg: 2x4 SP #3;

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of this truss excluding overhang is 11'-0-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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

Webs Tens.Comp.  
E - G 380 -310

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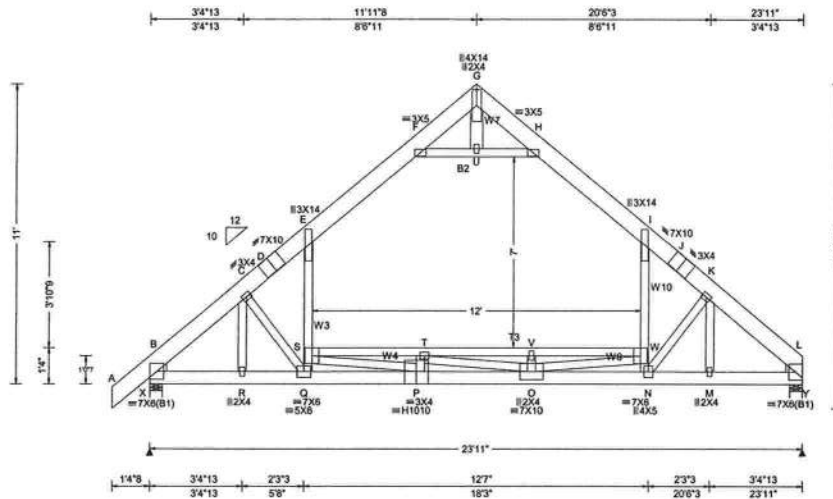
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4 Complete Trusses Required



| Loading Criteria (psf) |        | Wind Criteria        |                | Snow Criteria (Pg,Pf in PSF) |             | Defl/CSI Criteria |                                 | ▲ Maximum Reactions (lbs)                     |                 |        |               |      |        |      |
|------------------------|--------|----------------------|----------------|------------------------------|-------------|-------------------|---------------------------------|-----------------------------------------------|-----------------|--------|---------------|------|--------|------|
| TCLL:                  | 20.00  | Wind Std:            | ASCE 7-16      | 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): 0.322 F 882 480       | Loc                                           | R+              | / R-   | / Rh          | / Rw | / U    | / RL |
| BCLL:                  | 0.00   | Enclosure:           | Closed         | Lu: NA                       | Cs: NA      |                   | VERT(CL): 0.641 F 443 360       | X                                             | 9454            | /-     | /-            | /-   | 1415   | /-   |
| BCDL:                  | 10.00  | Risk Category:       | II             | Snow Duration:               | NA          |                   | HORZ(LL): 0.150 E - -           | Y                                             | 11556           | /-     | /-            | /-   | 1368   | /-   |
| Des Ld:                | 40.00  | EXP: C               | Kzt: NA        |                              |             |                   | HORZ(TL): 0.299 E - -           | Wind reactions based on MWFRS                 |                 |        |               |      |        |      |
| NCBCLL:                | 0.00   | Mean Height:         | 15.44 ft       | Building Code:               |             |                   | Creep Factor: 2.0               | X                                             | Brg Width = 5.5 |        | Min Req = 2.0 |      |        |      |
| Soffit:                | 2.00   | BCDL:                | 5.0 psf        | FBC 7th Ed. 2020 Res.        |             |                   | Max TC CSI: 0.970               | Y                                             | Brg Width = 5.5 |        | Min Req = 2.4 |      |        |      |
| Load Duration:         | 1.00   | MWFRS Parallel Dist: | 0 to h/2       | TPI Std:                     | 2014        |                   | Max BC CSI: 0.641               | Bearings X & Y are a rigid surface.           |                 |        |               |      |        |      |
| Spacing:               | 24.0 " | C&C Dist a:          | 3.00 ft        | Rep Fac:                     | Yes         |                   | Max Web CSI: 0.853              | Members not listed have forces less than 375# |                 |        |               |      |        |      |
|                        |        | Loc. from endwall:   | not in 9.00 ft | FT/RT:                       | 20(0)/10(0) |                   |                                 | Maximum Top Chord Forces Per Ply (lbs)        |                 |        |               |      |        |      |
|                        |        | GCpi:                | 0.18           | Plate Type(s):               |             |                   |                                 | Chords                                        | Tens.Comp.      | Chords | Tens. Comp.   |      |        |      |
|                        |        | Wind Duration:       | 1.60           | WAVE, HS                     |             |                   | VIEW Ver: 20.02.01A.1209.11     | B - C                                         | 120             | - 3021 | H - I         | 130  | - 1831 |      |

#### Lumber

Top chord: 2x8 SP 2400f-2.0E; T3 2x4 SP #2;  
Bot chord: 2x6 SP 2400f-2.0E; B2 2x4 SP #2;  
Webs: 2x4 SP #3; W3,W4,W9,W10 2x4 SP #2;  
W7 2x6 SP 2400f-2.0E;  
Lt Wedge: 2x4 SP #3; Rt Wedge: 2x4 SP #3;

#### Nailnote

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @ 4.75" o.c.  
Bot Chord: 1 Row @ 2.00" o.c.  
Webs : 1 Row @ 4" o.c.  
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.  
In addition, apply (1) 0.22"-0.25" min/max dia. X 6.0" length wood screw at each joint location.

#### Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)  
TC: From 66 plf at -1.37 to 66 plf at 23.92  
PLT: From 26 plf at 5.96 to 26 plf at 9.70  
PLT: From 20 plf at 9.70 to 20 plf at 14.21  
PLT: From 26 plf at 14.21 to 26 plf at 17.96  
PLT: From 100 plf at 5.96 to 100 plf at 17.96  
BC: From 5 plf at -1.37 to 5 plf at 0.00  
BC: From 20 plf at 0.00 to 20 plf at 23.92  
TC: 2600 lb Conc. Load at 12.62  
BC: 3182 lb Conc. Load at 5.83  
BC: 78 lb Conc. Load at 5.96,17.96  
BC: 1263 lb Conc. Load at 7.81, 9.81,11.81,13.81  
15.81,17.81  
BC: 1265 lb Conc. Load at 19.81,21.81,23.81

#### Purlins

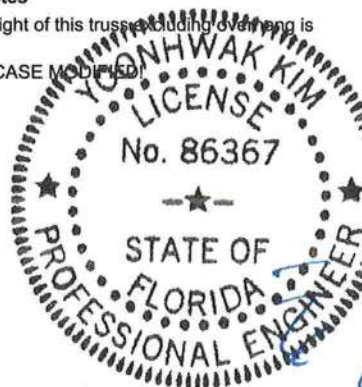
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

#### Wind

Wind loads and reactions based on MWFRS.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of this truss including overhang is 11'-0".  
WIND LOAD CASE MODIFIED



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| B - R  | 2163 -81   | O - N  | 1986 -95    |
| R - Q  | 2157 -80   | N - M  | 2295 -84    |
| Q - P  | 2003 -87   | M - L  | 2295 -84    |
| P - O  | 4962 -65   |        |             |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| C - R | 22 -427    | G - U | 544 -4      |
| C - Q | 7 -378     | U - H | 22 -2526    |
| E - S | 2344 0     | O - W | 2944 0      |
| Q - S | 1603 0     | V - W | 0 -2934     |
| S - P | 3023 0     | W - N | 1426 0      |
| S - T | 0 -3024    | W - I | 2134 0      |
| F - U | 22 -2526   | N - K | 3 -616      |
| T - V | 0 -2930    |       |             |

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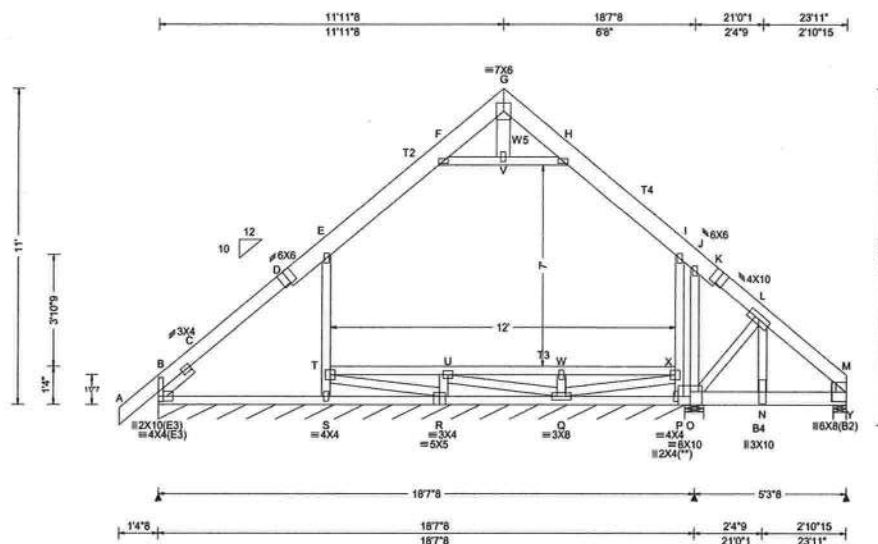
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|                           |                          |                                                                |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338321<br>FROM: CDM | SPEC<br>Ply: 1<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: B06 | Cust: R 215 JRef: 1X2R2150013 T23<br>DrwNo: 039.21.1656.33227<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                                  | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                              | Defl/CSI Criteria                                                                                                                                                                                                                                                       | ▲ Maximum Reactions (lbs), or *PLF                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.00<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.44 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>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<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.083 Q 999 480<br>VERT(CL): 0.163 Q 999 360<br>HORZ(LL): 0.047 J - -<br>HORZ(TL): 0.093 J - -<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.658<br>Max BC CSI: 0.822<br>Max Web CSI: 0.817<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B* 246 /- /- /- /30 /-<br>P 1923 /- /- /9 /46 /-<br>Y 2756 /- /- /- /359 /-<br><br>Wind reactions based on MWFRS<br>B Brg Width = 219 Min Req = -<br>P Brg Width = 8.0 Min Req = 1.5<br>Y Brg Width = 5.5 Min Req = 2.3<br>Bearings B, P, & Y are a rigid surface.<br>Members not listed have forces less than 375#<br>Maximum Top Chord Forces Per Ply (lbs)<br>Chords Tens.Comp. Chords Tens. Comp. |

**Lumber**  
Top chord: 2x6 SP 2400f-2.0E; T2 2x8 SP #2;  
T3 2x4 SP #2; T4 2x8 SP 2400f-2.0E;  
Bot chord: 2x4 SP #2; B4 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #3; W5 2x6 SP 2400f-2.0E;  
Lt Slider: 2x4 SP #3; block length = 1.500'  
Rt Wedge: 2x4 SP #3;

**Additional Notes**  
The overall height of this truss excluding overhang is 11'-0".  
WIND LOAD CASE MODIFIED!

|       |           |       |           |
|-------|-----------|-------|-----------|
| B - C | 585 -2532 | H - I | 613 -2793 |
| C - D | 563 -2472 | I - J | 462 -2107 |
| D - E | 504 -2388 | J - K | 459 -2034 |
| E - F | 540 -2403 | K - L | 474 -2086 |
| F - G | 390 -1810 | L - M | 454 -3164 |
| G - H | 463 -2189 |       |           |

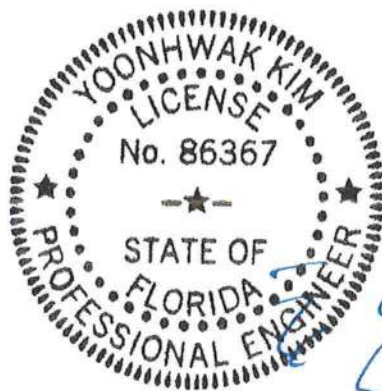
**Special Loads**  
----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 66 plf at -1.37 to 66 plf at 19.81  
TC: From 33 plf at 19.81 to 33 plf at 23.92  
BC: From 5 plf at -1.37 to 5 plf at 0.00  
BC: From 20 plf at 0.00 to 20 plf at 18.48  
BC: From 10 plf at 18.48 to 10 plf at 23.92  
TC: 2600 lb Conc. Load at 13.04  
BC: 1265 lb Conc. Load at 19.81,21.81

| Maximum Bot Chord Forces Per Ply (lbs) |            |        |             |
|----------------------------------------|------------|--------|-------------|
| Chords                                 | Tens.Comp. | Chords | Tens. Comp. |
| B - S                                  | 1799 -397  | P - O  | 1879 -409   |
| S - R                                  | 1723 -379  | O - N  | 2241 -317   |
| R - Q                                  | 1423 -295  | N - M  | 2229 -317   |
| Q - P                                  | 1735 -382  |        |             |

**Plating Notes**  
All plates are 2X4 except as noted.  
(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

**Wind**  
Wind loads and reactions based on MWFRS.  
Wind loading based on both gable and hip roof types.



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02/08/2021

| Maximum Web Forces Per Ply (lbs) |            |       |             |
|----------------------------------|------------|-------|-------------|
| Webs                             | Tens.Comp. | Webs  | Tens. Comp. |
| E - T                            | 135 -449   | V - H | 117 -486    |
| T - S                            | 128 -572   | W - Q | 2 -471      |
| T - R                            | 92 -460    | X - P | 252 -1272   |
| T - U                            | 546 -107   | X - I | 258 -1145   |
| F - V                            | 117 -486   | O - L | 96 -1170    |
| R - U                            | 21 -550    | N - L | 1716 -14    |

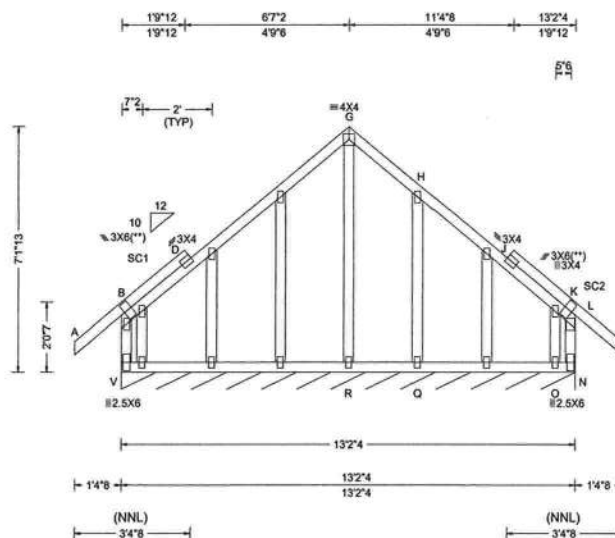
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|                           |                          |                                                                |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338261<br>FROM: CDM | GABL<br>Ply: 1<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: C01 | Cust: R 215 JRef: 1X2R2150013 T12<br>DrwNo: 039.21.1656.35763<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                       | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                              | Defl/CSI Criteria                                                                                                                                                                                                                                                       | ▲ Maximum Reactions (lbs), or *PLF                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCCL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT: 20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.003 K 999 480<br>VERT(CL): 0.008 K 999 360<br>HORZ(LL): 0.068 B - -<br>HORZ(TL): 0.123 B - -<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.461<br>Max BC CSI: 0.179<br>Max Web CSI: 0.534<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>N* 196 /- /- /88 /1 /16<br>Wind reactions based on MWFRS<br>N Brg Width = 158 Min Req = -<br>Bearing V is a rigid surface.<br>Members not listed have forces less than 375#<br>Maximum Top Chord Forces Per Ply (lbs)<br>Chords Tens.Comp. Chords Tens. Comp.<br>B - D 449 -192 J - L 391 -192<br>D - G 722 -107 K - L 287 -456<br>G - H 565 -107 |

#### Lumber

Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;  
Stack Chord: SC1 2x4 SP #2;  
Stack Chord: SC2 2x4 SP #2;

#### Bracing

Fasten rated sheathing to one face of this frame.

#### Plating Notes

All plates are 2X4 except as noted.

(\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

#### Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

#### Purlins

In lieu of structural panels use purlins to brace TC @ 24" oc.

#### Wind

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

End verticals not exposed to wind pressure.

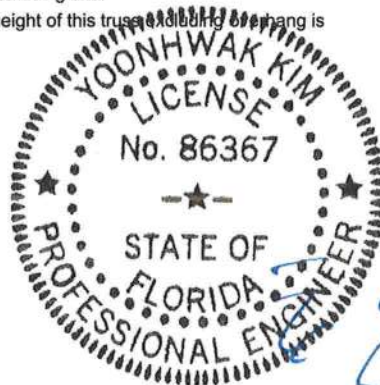
Wind loading based on both gable and hip roof types.

#### Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6.

The overall height of this truss including overhang is 7'-11 1/2".



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

| Gables | Tens.Comp. | Gables | Tens. Comp. |
|--------|------------|--------|-------------|
| B - V  | 999 -399   | O - K  | 482 -292    |
| G - R  | 0 -702     | L - N  | 258 -399    |
| Q - H  | 408 -363   |        |             |

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

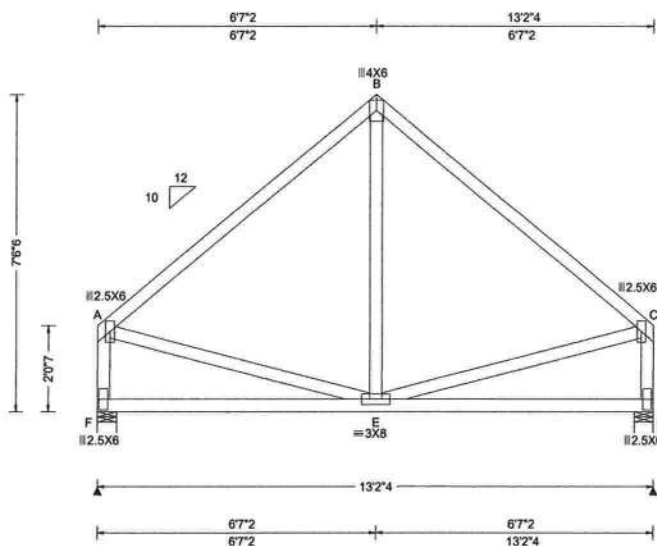
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|                           |                          |                                                                |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338262<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 2 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: C02 | Cust: R 215 JRef: 1X2R2150013 T27<br>DrwNo: 039.21.1656.37380<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                       | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                            | Defl/CSI Criteria                                                                                                                                                                                                                                               | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT: 20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.005 E 999 480<br>VERT(CL): 0.011 E 999 360<br>HORZ(LL): 0.002 B - -<br>HORZ(TL): 0.003 B - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.809<br>Max BC CSI: 0.504<br>Max Web CSI: 0.345<br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>F 567 /- /- /329 /78 /164<br>D 567 /- /- /329 /78 /-<br>Wind reactions based on MWFRS<br>F Brg Width = 5.5 Min Req = 1.5<br>D Brg Width = 5.5 Min Req = 1.5<br>Bearings F & D are a rigid surface.<br>Members not listed have forces less than 375#<br>Maximum Top Chord Forces Per Ply (lbs)<br>Chords Tens.Comp. Chords Tens. Comp.<br>A - B 283 -525 B - C 283 -525 |

#### Lumber

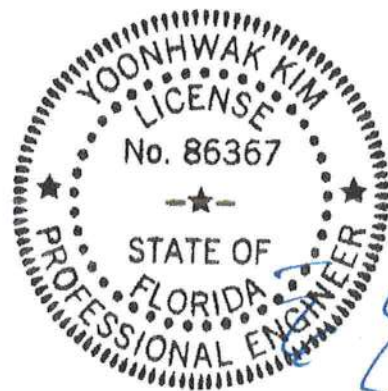
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
End verticals not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

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



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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| A - F | 288 -514   | C - D | 288 -514    |

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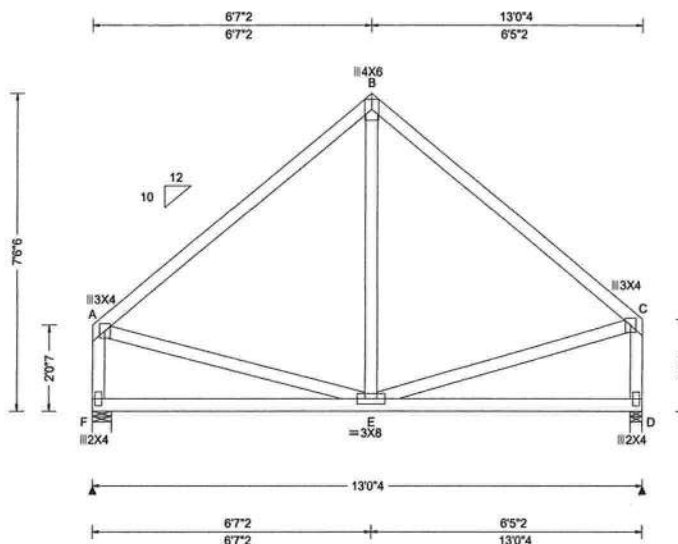
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|                           |                          |                                                                |                                                                                 |
|---------------------------|--------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 338263<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 2 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: C03 | Cust: R 215 JRef: 1X2R2150013 T6<br>DrwNo: 039.21.1656.38803<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                                  | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                 | Defl/CSI Criteria                                                                                                                                                                                                                                                       | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCCL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 4.50 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT: 20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.005 E 999 480<br>VERT(CL): 0.010 E 999 360<br>HORZ(LL): 0.002 B - -<br>HORZ(TL): 0.003 B - -<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.714<br>Max BC CSI: 0.492<br>Max Web CSI: 0.252<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ /R- /Rh /Rw /U /RL<br>F 560 /- /- /324 /77 /163<br>D 560 /- /- /327 /78 /-<br>Wind reactions based on MWFRS<br>F Brg Width = 5.5 Min Req = 1.5<br>D Brg Width = 3.5 Min Req = 1.5<br>Bearings F & D are a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.<br>A - B 183 -516 B - C 185 -511 |

#### Lumber

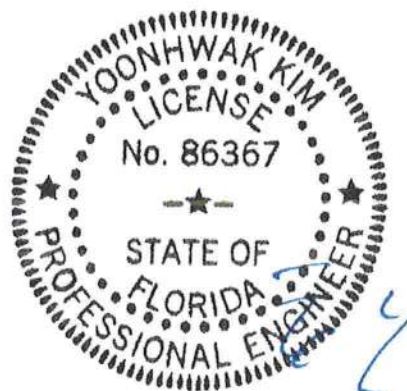
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
End verticals not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

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

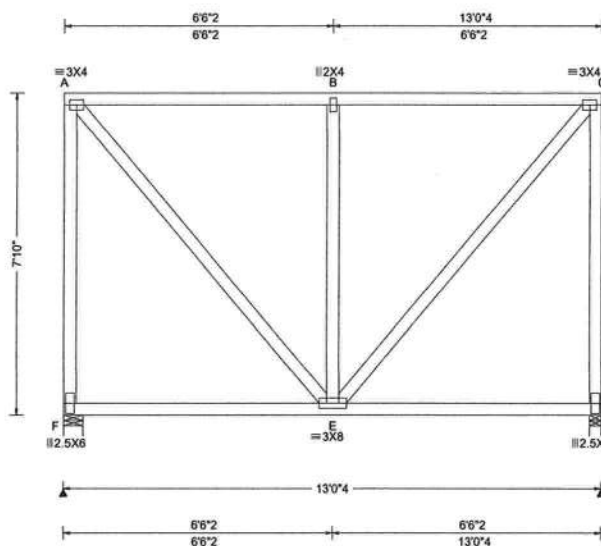


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|                           |                          |                                                                |                                                                                 |
|---------------------------|--------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 338264<br>FROM: CDM | FLAT<br>Ply: 1<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: C04 | Cust: R 215 JRef: 1X2R2150013 T3<br>DrwNo: 039.21.1656.40123<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                       | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                | Defl/CSI Criteria                                                                                                                                                                                                                                                       | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 17.83 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: h/2 to h<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT: 20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.013 B 999 480<br>VERT(CL): 0.025 B 999 360<br>HORZ(LL): 0.001 A - -<br>HORZ(TL): 0.003 A - -<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.882<br>Max BC CSI: 0.510<br>Max Web CSI: 0.773<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>F 521 /- /- /267 /125 /-<br>D 521 /- /- /267 /125 /-<br>Wind reactions based on MWFRS<br>F Brg Width = 5.5 Min Req = 1.5<br>D Brg Width = 3.5 Min Req = 1.5<br>Bearings F & D are a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Web Forces Per Ply (lbs)</b><br>Webs Tens.Comp. Webs Tens. Comp.<br>A - F 543 -471 E - C 427 -421<br>A - E 427 -421 C - D 543 -471<br>B - E 720 -486 |

#### 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.  
End verticals not exposed to wind pressure.

#### Additional Notes

Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 7-10-0.



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02/08/2021

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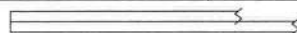
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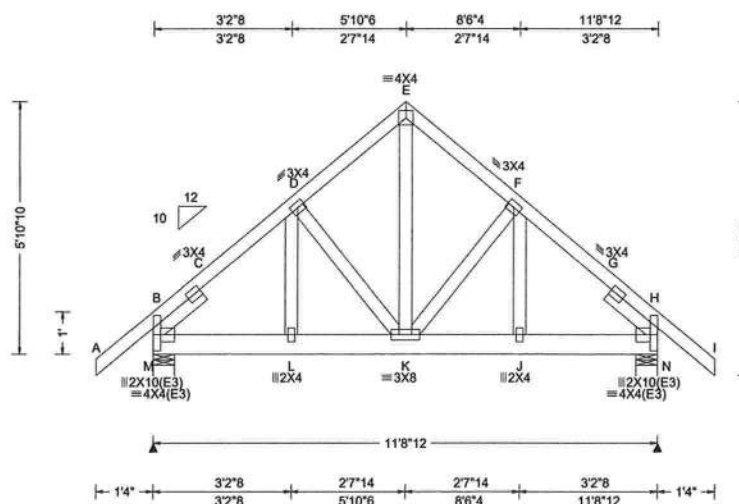
For more information see these web sites: Alpine: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCE: [sbceindustry.com](http://sbceindustry.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)

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|                           |                          |                                                                |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338265<br>FROM: CDM | COMN<br>Ply: 2<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: D01 | Cust: R 215 JRef: 1X2R2150013 T21<br>DrwNo: 039.21.1656.41220<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



2 Complete Trusses Required



| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                                                                  | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                           | Defl/CSI Criteria                                                                                                                                                                                                                                               | Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 0.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>BCDL: 5.0 psf<br>TCDL: 5.0 psf<br>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<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: No<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.014 K 999 480<br>VERT(CL): 0.028 K 999 360<br>HORZ(LL): 0.005 D - -<br>HORZ(TL): 0.009 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.123<br>Max BC CSI: 0.128<br>Max Web CSI: 0.296<br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ /R- /Rh /Rw /U /RL<br>M 1859 /- /- /168 /- /-<br>N 1827 /- /- /161 /- /-<br>Wind reactions based on MWFRS<br>M Brg Width = 6.0 Min Req = 1.5<br>N Brg Width = 6.0 Min Req = 1.5<br>Bearings M & N are a rigid surface.<br>Members not listed have forces less than 375#<br>Maximum Top Chord Forces Per Ply (lbs)<br>Chords Tens.Comp. Chords Tens. Comp.<br>B - C 0 -994 E - F 0 -718<br>C - D 0 -968 F - G 0 -963<br>D - E 0 -718 G - H 0 -989 |

#### Lumber

Top chord: 2x4 SP #2;  
Bot chord: 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #3;  
Lt Slider: 2x4 SP #3; block length = 1.500'  
Rt Slider: 2x4 SP #3; block length = 1.500'

#### Nailnote

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @ 12.00" o.c.  
Bot Chord: 1 Row @ 6.75" 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)  
TC: From 66 plf at -1.33 to 66 plf at 13.06  
BC: From 5 plf at -1.33 to 5 plf at 0.00  
BC: From 10 plf at 0.00 to 10 plf at 11.73  
BC: From 5 plf at 11.73 to 5 plf at 13.06  
BC: 521 lb Conc. Load at 1.79, 3.79, 5.79, 7.79  
9.79

#### Wind

Wind loads and reactions based on MWFRS.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

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



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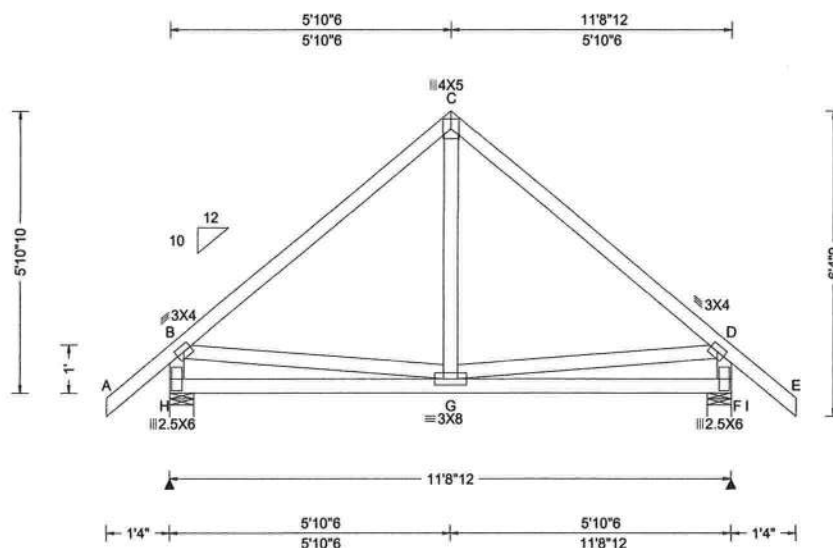
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|                           |                          |                                                                |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338266<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: D02 | Cust: R 215 JRef: 1X2R2150013 T30<br>DrwNo: 039.21.1656.42370<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                                 | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                | Defl/CSI Criteria                                                                                                                                                                                                                                                      | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: h to 2h<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/def L/#<br>VERT(LL): 0.005 G 999 480<br>VERT(CL): 0.010 G 999 360<br>HORZ(LL): 0.002 C - -<br>HORZ(TL): 0.003 C - -<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.517<br>Max BC CSI: 0.400<br>Max Web CSI: 0.181<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>H 600 /- /- /376 /- /207<br>I 600 /- /- /376 /- /-<br>Wind reactions based on MWFRS<br>H Brg Width = 6.0 Min Req = 1.5<br>I Brg Width = 6.0 Min Req = 1.5<br>Bearings H & I are a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.<br>B - C 188 -510 C - D 188 -510 |

#### 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.  
End verticals not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

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



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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| B - H | 254 -552   | D - F | 254 -552    |

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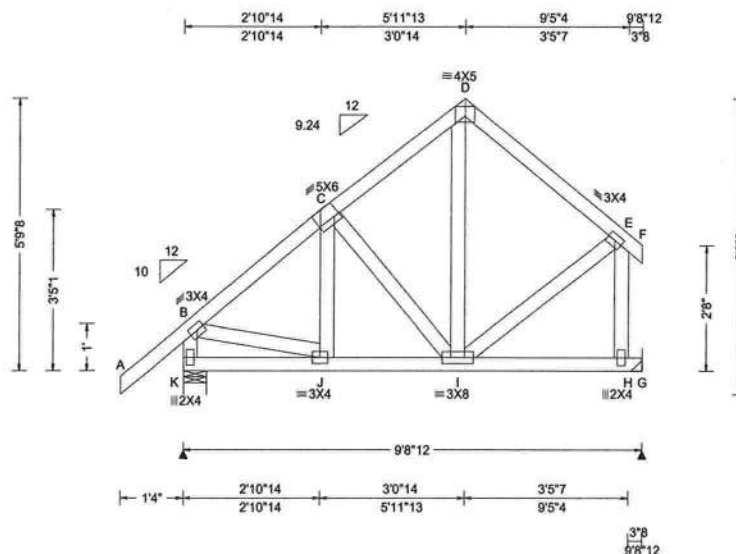
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|                           |                |                  |                                                                |                                                                                  |
|---------------------------|----------------|------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338267<br>FROM: CDM | HIPS<br>Qty: 1 | Ply: 1<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: D03 | Cust: R 215 JRef: 1X2R2150013 T10<br>DrwNo: 039.21.1656.43277<br>/ YK 02/08/2021 |
|---------------------------|----------------|------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf) | Wind Criteria                     | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs)                     |                 |        |               |      |      |      |
|------------------------|-----------------------------------|------------------------------|---------------------------------|-----------------------------------------------|-----------------|--------|---------------|------|------|------|
| TCLL: 20.00            | Wind Std: ASCE 7-16               | 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): 0.010 E 999 480       | Loc                                           | R+              | / R-   | / Rh          | / Rw | / U  | / RL |
| BCLL: 0.00             | Enclosure: Closed                 | Lu: NA Cs: NA                | VERT(CL): 0.022 E 999 360       | K                                             | 633             | /-     | /-            | /-   | /85  | /-   |
| BCDL: 10.00            | Risk Category: II                 | Snow Duration: NA            | HORZ(LL): 0.005 D - -           | G                                             | 571             | /-     | /-            | /-   | /47  | /-   |
| Des Ld: 40.00          | EXP: C Kzt: NA                    |                              | HORZ(TL): 0.010 D - -           | Wind reactions based on MWFRS                 |                 |        |               |      |      |      |
| NCBCLL: 10.00          | Mean Height: 15.00 ft             | Building Code:               | Creep Factor: 2.0               | K                                             | Brg Width = 6.0 |        | Min Req = 1.5 |      |      |      |
| Soffit: 2.00           | TCDL: 5.0 psf                     | FBC 7th Ed. 2020 Res.        | Max TC CSI: 0.219               | G                                             | Brg Width = -   |        | Min Req = -   |      |      |      |
| Load Duration: 1.25    | BCDL: 5.0 psf                     | TPI Std: 2014                | Max BC CSI: 0.472               | Bearing K is a rigid surface.                 |                 |        |               |      |      |      |
| Spacing: 24.0 "        | MWFRS Parallel Dist: 0 to h/2     | Rep Fac: Varies by Ld Case   | Max Web CSI: 0.147              | Members not listed have forces less than 375# |                 |        |               |      |      |      |
|                        | C&C Dist a: 3.00 ft               | FT/RT:20(0)/10(0)            |                                 | Maximum Top Chord Forces Per Ply (lbs)        |                 |        |               |      |      |      |
|                        | Loc. from endwall: not in 9.00 ft | Plate Type(s):               |                                 | Chords                                        | Tens.Comp.      | Chords | Tens. Comp.   |      |      |      |
|                        | GCpi: 0.18                        | WAVE                         | VIEW Ver: 20.02.01A.1209.11     | B - C                                         | 60              | -564   | D - E         | 47   | -465 |      |
|                        | Wind Duration: 1.60               |                              |                                 | C - D                                         | 42              | -459   |               |      |      |      |

#### 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)

|          |                      |          |           |      |
|----------|----------------------|----------|-----------|------|
| TC: From | 66 plf at            | -1.33 to | 66 plf at | 2.91 |
| TC: From | 65 plf at            | 2.91 to  | 65 plf at | 5.98 |
| TC: From | 66 plf at            | 5.98 to  | 66 plf at | 9.73 |
| BC: From | 5 plf at             | -1.33 to | 5 plf at  | 0.00 |
| BC: From | 20 plf at            | 0.00 to  | 20 plf at | 9.73 |
| TC:      | 167 lb Conc. Load at | 5.67     |           |      |
| BC:      | 108 lb Conc. Load at | 5.67     |           |      |

#### Wind

Wind loads and reactions based on MWFRS.  
Left end vertical not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of this truss excluding overhang is 5-9-8.



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

Chords Tens.Comp.

J - I 381 -29

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

Webs Tens.Comp. Webs Tens. Comp.

|       |     |      |       |    |      |
|-------|-----|------|-------|----|------|
| B - K | 96  | -604 | E - H | 69 | -588 |
| B - J | 387 | -31  |       |    |      |

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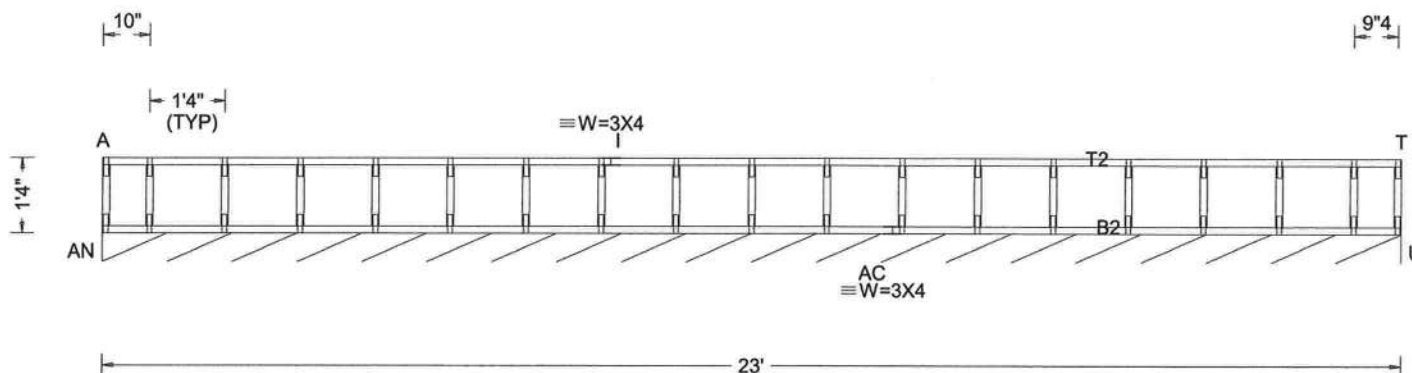
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|                           |                |                                                                          |                                                                                  |
|---------------------------|----------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338303<br>FROM: CDM | SY42<br>Qty: 1 | Ply: 1<br>Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: F01 | Cust: R 215 JRef: 1X2R2150013 T28<br>DrwNo: 039.21.1656.44033<br>/ YK 02/08/2021 |
|---------------------------|----------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                           | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                             | Defl/CSI Criteria                                                                                                                                                                                                                                                        | ▲ Maximum Reactions (lbs), or *PLF                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 40.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 5.00<br>Des Ld: 55.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.00<br>Spacing: 24.0 " | Wind Std: NA<br>Speed: NA mph<br>Enclosure: NA<br>Category: NA<br>EXP: NA Kzt: NA<br>Mean Height: NA ft<br>TCDL: NA psf<br>BCDL: NA psf<br>MWFRS Parallel Dist: NA<br>C&C Dist a: NA ft<br>Loc. from endwall: NA<br>I: NA GCpi: NA<br>Wind Duration: NA | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.000 C 999 480<br>VERT(CL): 0.001 C 999 360<br>HORZ(LL): -0.000 T - -<br>HORZ(TL): 0.000 T - -<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.248<br>Max BC CSI: 0.025<br>Max Web CSI: 0.066<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>U* 217 /- /- /- /- /-<br>U Brg Width = 276 Min Req = -<br>Bearing AN is a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

Top chord: 4x2 SP #2; T2 4x2 SP M-31;  
Bot chord: 4x2 SP M-31; B2 4x2 SP #2;  
Webs: 4x2 SP #3;

#### Bracing

Sheathing is required for any longitudinal(drag) forces.  
All connections to be designed by the building designer.  
Fasten rated sheathing to one face of this frame.

#### Plating Notes

All plates are 1X4 except as noted.

#### Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.  
Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 14-0.



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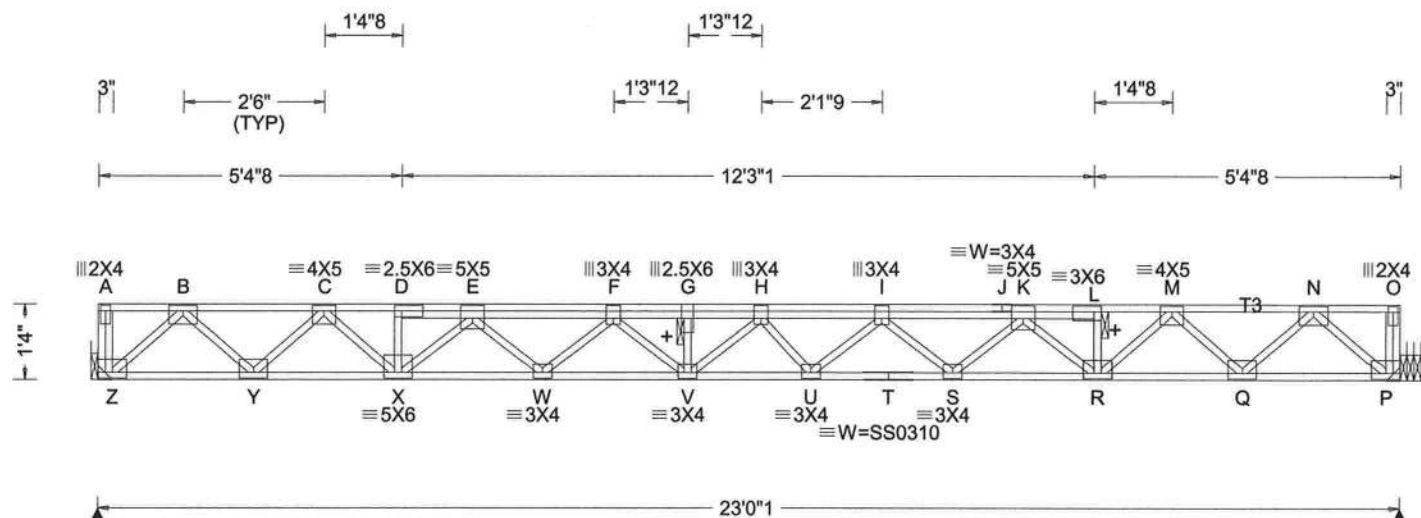
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|                               |                         |                                     |                                 |                                               |
|-------------------------------|-------------------------|-------------------------------------|---------------------------------|-----------------------------------------------|
| <b>Loading Criteria</b> (psf) | <b>Wind Criteria</b>    | <b>Snow Criteria</b> (Pg,Pf in PSF) | <b>Defl/CSI Criteria</b>        | <b>▲ Maximum Reactions (lbs)</b>              |
| TCLL: 40.00                   | Wind Std: NA            | Pg: NA Ct: NA CAT: NA               | PP Deflection in loc L/defl L/# | Gravity                                       |
| TCDL: 10.00                   | Speed: NA mph           | Pf: NA Ce: NA                       | VERT(LL): 0.495 H 545 480       | Loc R+ / R- / Rh                              |
| BCLL: 0.00                    | Enclosure: NA           | Lu: NA Cs: NA                       | VERT(CL): 0.681 H 396 360       | / Rw / U / RL                                 |
| BCDL: 5.00                    | Category: NA            | Snow Duration: NA                   | HORZ(LL): 0.079 P - -           | Z 1265 /- /- /- /- /-                         |
|                               | EXP: NA Kzt: NA         |                                     | HORZ(TL): 0.109 P - -           | P 1265 /- /- /- /- /-                         |
| Des Ld: 55.00                 | Mean Height: NA ft      |                                     | Creep Factor: 2.0               | Z Brg Width = - Min Req = -                   |
| NCBCLL: 10.00                 | TCDL: NA psf            | Building Code:                      | Max TC CSI: 0.455               | P Brg Width = - Min Req = -                   |
| Soffit: 0.00                  | BCDL: NA psf            | FBC 7th Ed. 2020 Res.               | Max BC CSI: 0.693               | Members not listed have forces less than 375# |
| Load Duration: 1.00           | MWFRS Parallel Dist: NA | TPI Std: 2014                       | Max Web CSI: 0.666              | <b>Maximum Top Chord Forces Per Ply (lbs)</b> |
| Spacing: 24.0 "               | C&C Dist a: NA ft       | Rep Fac: Yes                        |                                 | Chords Tens.Comp. Chords Tens. Comp.          |
|                               | Loc. from endwall: NA   | FT/RT:12(0)/10(0)                   |                                 | B - C 0 -2237 H - I 0 -5968                   |
|                               | I: NA GCpi: NA          | Plate Type(s):                      |                                 | C - D 0 -4014 I - J 0 -5383                   |
|                               | Wind Duration: NA       | WAVE. 18SS                          | VIEW Ver: 20.02.01A.1209.11     | D - E 0 -4017 J - K 0 -5383                   |

## Lumber

Top chord: 4x2 SP M-31; T3 4x2 SP #2;  
Bot chord: 4x2 SP M-31;  
Webs: 4x2 SP #3:

### Plating Notes

All plates are 4X6 except as noted.

**Hangers / Ties**

(J) Hanger Support Required, by others

### Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 1-4-0.

| Maximum Bot Chord Forces Per Ply (lbs) |            |   |        |             |   |
|----------------------------------------|------------|---|--------|-------------|---|
| Chords                                 | Tens.Comp. |   | Chords | Tens. Comp. |   |
| Z - Y                                  | 1231       | 0 | U - T  | 5815        | 0 |
| X - X                                  | 3215       | 0 | T - S  | 5815        | 0 |
| X - W                                  | 4925       | 0 | S - R  | 4923        | 0 |
| W - V                                  | 5806       | 0 | R - Q  | 3217        | 0 |
| V - U                                  | 6058       | 0 | Q - P  | 1232        | 0 |

| Maximum Web Forces Per Ply (lbs) |       |        |       |             |
|----------------------------------|-------|--------|-------|-------------|
| Webs                             | Tens. | Comp.  | Webs  | Tens. Comp. |
| Z - B                            | 0     | - 1717 | I - S | 0 - 586     |
| B - Y                            | 1399  | 0      | S - K | 624 0       |
| Y - C                            | 0     | - 1361 | K - R | 0 - 1216    |
| C - X                            | 1085  | 0      | R - M | 1080 0      |
| X - E                            | 0     | - 1216 | M - Q | 0 - 1362    |
| E - W                            | 616   | 0      | Q - N | 1399 0      |
| W - F                            | 0     | - 579  | N - P | 0 - 1717    |



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02/08/2021

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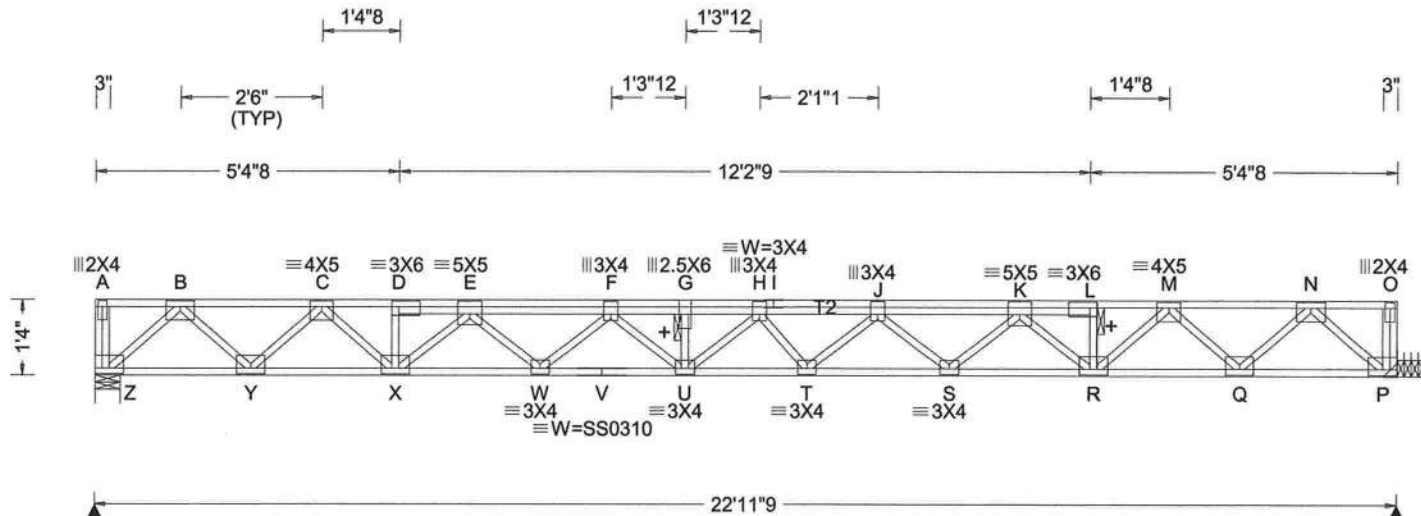
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| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                           | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                       | Defl/CSI Criteria                                                                                                                                                                                                                                                       | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 40.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 5.00<br>Des Ld: 55.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.00<br>Spacing: 24.0 " | Wind Std: NA<br>Speed: NA mph<br>Enclosure: NA<br>Category: NA<br>EXP: NA Kzt: NA<br>Mean Height: NA ft<br>TCDL: NA psf<br>BCDL: NA psf<br>MWFRS Parallel Dist: NA<br>C&C Dist a: NA ft<br>Loc. from endwall: NA<br>I: NA GCpi: NA<br>Wind Duration: NA | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT: 12(0)/10(0)<br>Plate Type(s):<br>WAVE, 18SS | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.512 H 526 480<br>VERT(CL): 0.704 H 382 360<br>HORZ(LL): 0.079 P - -<br>HORZ(TL): 0.108 P - -<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.454<br>Max BC CSI: 0.692<br>Max Web CSI: 0.665<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Z 1263 -/- /- /- /- /-<br>P 1263 -/- /- /- /- /-<br>Z Brg Width = 5.3 Min Req = 1.5<br>P Brg Width = - Min Req = -<br>Bearing Z is a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.<br>B - C 0 - 2233 H - I 0 - 5950<br>C - D 0 - 4002 I - J 0 - 5950<br>D - E 0 - 4005 J - K 0 - 5370<br>E - F 0 - 5367 K - L 0 - 4005<br>F - G 0 - 5983 L - M 0 - 4002<br>G - H 0 - 5983 M - N 0 - 2233 |

#### Lumber

Top chord: 4x2 SP #2; T2 4x2 SP M-31;  
Bot chord: 4x2 SP M-31;  
Webs: 4x2 SP #3;

#### Plating Notes

All plates are 4X6 except as noted.

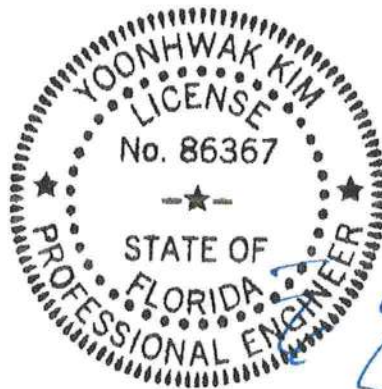
#### Hangers / Ties

(J) Hanger Support Required, by others

#### Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 1-4-0.



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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| Z - Y  | 1229 0     | U - T  | 6036 0      |
| Y - X  | 3210 0     | T - S  | 5798 0      |
| X - W  | 4915 0     | S - R  | 4913 0      |
| W - V  | 5791 0     | R - Q  | 3210 0      |
| V - U  | 5791 0     | Q - P  | 1229 0      |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| Z - B | 0 - 1714   | J - S | 0 - 582     |
| B - Y | 1396 0     | S - K | 619 0       |
| Y - C | 0 - 1359   | K - R | 0 - 1216    |
| C - X | 1076 0     | R - M | 1077 0      |
| X - E | 0 - 1220   | M - Q | 0 - 1359    |
| E - W | 613 0      | Q - N | 1396 0      |
| W - F | 0 - 575    | N - P | 0 - 1714    |

**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
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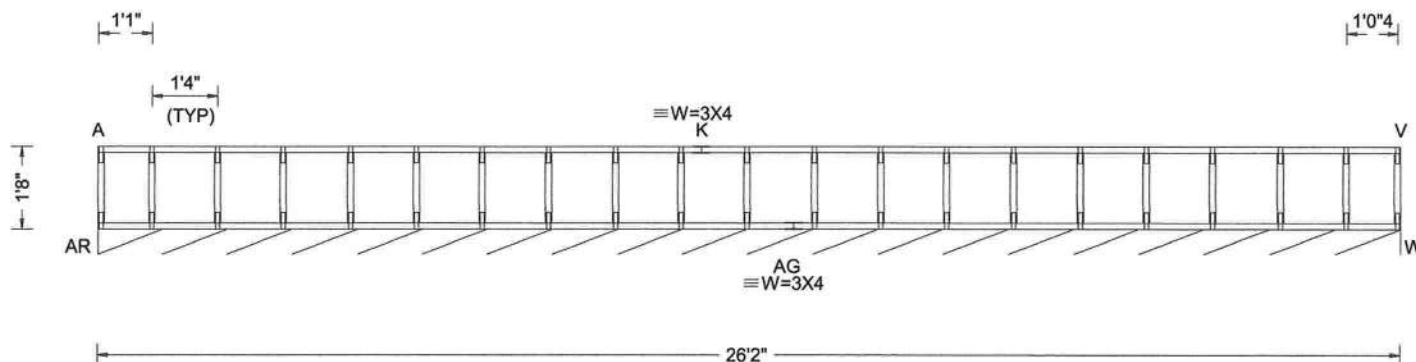
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|                           |                |                  |                                                                |                                                                                 |
|---------------------------|----------------|------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 338306<br>FROM: CDM | SY42<br>Qty: 1 | Ply: 1<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: F04 | Cust: R 215 JRef: 1X2R2150013 T9<br>DrwNo: 039.21.1656.47323<br>/ YK 02/08/2021 |
|---------------------------|----------------|------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------|



| Loading Criteria (psf) | Wind Criteria           | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs), or *PLF            |
|------------------------|-------------------------|------------------------------|---------------------------------|-----------------------------------------------|
| TCLL: 40.00            | Wind Std: NA            | Pg: NA Ct: NA CAT: NA        | PP Deflection in loc L/defl L/# | Gravity Non-Gravity                           |
| TCCL: 10.00            | Speed: NA mph           | Pf: NA Ce: NA                | VERT(LL): 0.001 V 999 480       | Loc R+ /R- /Rh /Rw /U /RL                     |
| BCCL: 0.00             | Enclosure: NA           | Lu: NA Cs: NA                | VERT(CL): 0.001 V 999 360       | W* 218 /- /- /- /- /-                         |
| BCDL: 5.00             | Category: NA            | Snow Duration: NA            | HORZ(LL): -0.000 AR - -         | W Brg Width = 314 Min Req = -                 |
| Des Ld: 55.00          | EXP: NA Kzt: NA         |                              | HORZ(TL): 0.000 AR - -          | Bearing AR is a rigid surface.                |
| NCBCLL: 10.00          | Mean Height: NA ft      | Building Code:               | Creep Factor: 2.0               | Members not listed have forces less than 375# |
| Soffit: 0.00           | TCDL: NA psf            | FBC 7th Ed. 2020 Res.        | Max TC CSI: 0.093               |                                               |
| Load Duration: 1.00    | BCDL: NA psf            | TPI Std: 2014                | Max BC CSI: 0.010               |                                               |
| Spacing: 24.0 "        | MWFRS Parallel Dist: NA | Rep Fac: Varies by Ld Case   | Max Web CSI: 0.066              |                                               |
|                        | C&C Dist a: NA ft       | FT/RT:20(0)/10(0)            |                                 |                                               |
|                        | Loc. from endwall: NA   | Plate Type(s):               |                                 |                                               |
|                        | I: NA GCpi: NA          | WAVE                         | VIEW Ver: 20.02.01A.1209.11     |                                               |
|                        | Wind Duration: NA       |                              |                                 |                                               |

#### Lumber

Top chord: 4x2 SP M-31;  
Bot chord: 4x2 SP M-31;  
Webs: 4x2 SP #3;

#### Bracing

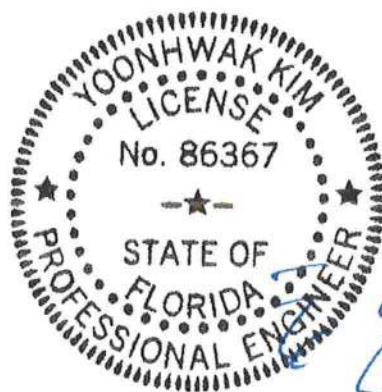
Sheathing is required for any longitudinal(drag) forces.  
All connections to be designed by the building designer.  
Fasten rated sheathing to one face of this frame.

#### Plating Notes

All plates are 1X4 except as noted.

#### Additional Notes

Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 1-8-0.



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|              |      |         |                     |                                  |
|--------------|------|---------|---------------------|----------------------------------|
| SEQN: 338307 | SY42 | Ply: 1  | Job Number: 20-4946 | Cust: R 215 JRef: 1X2R2150013 T5 |
| FROM: CDM    |      | Qty: 12 | Cody Barrs New Home | DrwNo: 039.21.1656.49250         |
| Page 2 of 2  |      |         | Truss Label: F05    | / YK 02/08/2021                  |

#### 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=0' uses the following support conditions: 0'

Bearing AG (0', 10') HUS46

Supporting Member: (2)2x6 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting member,

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

Bearing P (25'11", 10') HUS46

Supporting Member: (2)2x8 SP 2400f-2.0E

(4) 0.162"x3.5" nails into supporting member,

(4) 0.162"x3.5" nails into supported member.



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02/08/2021

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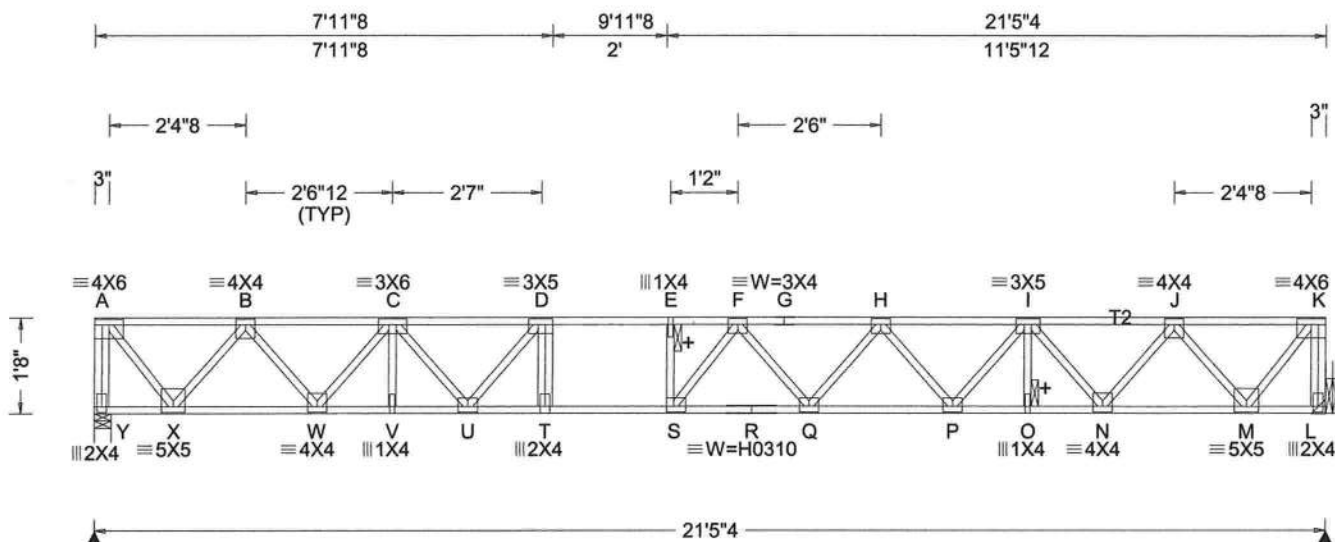
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|                           |                |                            |                                            |                                                                                 |
|---------------------------|----------------|----------------------------|--------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 338308<br>FROM: CDM | SY42<br>Qty: 6 | Ply: 1<br>Truss Label: F06 | Job Number: 20-4946<br>Cody Barrs New Home | Cust: R 215 JRef: 1X2R2150013 T1<br>DrwNo: 039.21.1656.50770<br>/ YK 02/08/2021 |
|---------------------------|----------------|----------------------------|--------------------------------------------|---------------------------------------------------------------------------------|



| Loading Criteria (psf) |        |
|------------------------|--------|
| TCLL:                  | 40.00  |
| TCDL:                  | 10.00  |
| BCLL:                  | 0.00   |
| BCDL:                  | 5.00   |
| Des Ld:                | 55.00  |
| NCBCLL:                | 10.00  |
| Soffit:                | 0.00   |
| Load Duration:         | 1.00   |
| Spacing:               | 24.0 " |

| Wind Criteria        |             |
|----------------------|-------------|
| Wind Std:            | NA          |
| Speed:               | NA mph      |
| Enclosure:           | NA          |
| Category:            | NA          |
| EXP:                 | NA Kzt: NA  |
| Mean Height:         | NA ft       |
| TCDL:                | NA psf      |
| BCDL:                | NA psf      |
| MWFRS Parallel Dist: | NA          |
| C&C Dist a:          | NA ft       |
| Loc. from endwall:   | NA          |
| I:                   | NA GCpi: NA |
| Wind Duration:       | NA          |

| 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 7th Ed. 2020 Res. |
| TPI Std:                     | 2014                  |
| Rep Fac:                     | Yes                   |
| FT/RT:                       | 12(0)/10(0)           |
| Plate Type(s):               | WAVE, HS              |

| Defl/CSI Criteria |                   |
|-------------------|-------------------|
| PP Deflection in  | loc L/defl L/#    |
| VERT(LL):         | 0.388 S 647 480   |
| VERT(CL):         | 0.520 S 482 360   |
| HORZ(LL):         | 0.048 M - -       |
| HORZ(TL):         | 0.066 M - -       |
| Creep Factor:     | 2.0               |
| Max TC CSI:       | 0.576             |
| Max BC CSI:       | 0.807             |
| Max Web CSI:      | 0.616             |
| VIEW Ver:         | 20.02.01A.1209.11 |

| ▲ Maximum Reactions (lbs)                     |                 |       |        |               |       |      |
|-----------------------------------------------|-----------------|-------|--------|---------------|-------|------|
| Loc                                           | Gravity         |       |        | Non-Gravity   |       |      |
|                                               | R+              | / R-  | / Rh   | / Rw          | / U   | / RL |
| Y                                             | 1179            | -/-   | -/-    | -/-           | -/-   | -/-  |
| L                                             | 1179            | -/-   | -/-    | -/-           | -/-   | -/-  |
| Y                                             | Brg Width = 3.5 |       |        | Min Req = 1.5 |       |      |
| L                                             | Brg Width = -   |       |        | Min Req = -   |       |      |
| Bearing Y is a rigid surface.                 |                 |       |        |               |       |      |
| Members not listed have forces less than 375# |                 |       |        |               |       |      |
| Maximum Top Chord Forces Per Ply (lbs)        |                 |       |        |               |       |      |
| Chords                                        | Tens.Comp.      |       | Chords | Tens. Comp.   |       |      |
| A - B                                         | 0               | -760  | F - G  | 0             | -3793 |      |
| B - C                                         | 0               | -2213 | G - H  | 0             | -3793 |      |
| C - D                                         | 0               | -3256 | H - I  | 0             | -3243 |      |
| D - E                                         | 0               | -3762 | I - J  | 0             | -2219 |      |
| E - F                                         | 0               | -3764 | J - K  | 0             | -759  |      |

| Maximum Bot Chord Forces Per Ply (lbs) |            |   |        |             |
|----------------------------------------|------------|---|--------|-------------|
| Chords                                 | Tens.Comp. |   | Chords | Tens. Comp. |
| X - W                                  | 1603       | 0 | R - Q  | 3895 0      |
| W - V                                  | 2828       | 0 | Q - P  | 3621 0      |
| V - U                                  | 2828       | 0 | P - O  | 2841 0      |
| U - T                                  | 3753       | 0 | O - N  | 2841 0      |
| T - S                                  | 3762       | 0 | N - M  | 1600 0      |
| S - R                                  | 3895       | 0 |        |             |

| Maximum Web Forces Per Ply (lbs) |            |       |       |             |
|----------------------------------|------------|-------|-------|-------------|
| Webs                             | Tens.Comp. |       | Webs  | Tens. Comp. |
| A - Y                            | 0          | -1165 | H - P | 0 -600      |
| A - X                            | 1294       | 0     | P - I | 619 0       |
| X - B                            | 0          | -1339 | I - N | 0 -961      |
| B - W                            | 968        | 0     | N - J | 982 0       |
| W - C                            | 0          | -949  | J - M | 0 -1336     |
| C - U                            | 678        | 0     | M - K | 1291 0      |
| U - D                            | 0          | -919  | K - L | 0 -1150     |
| S - F                            | 295        | -487  |       |             |



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02/08/2021

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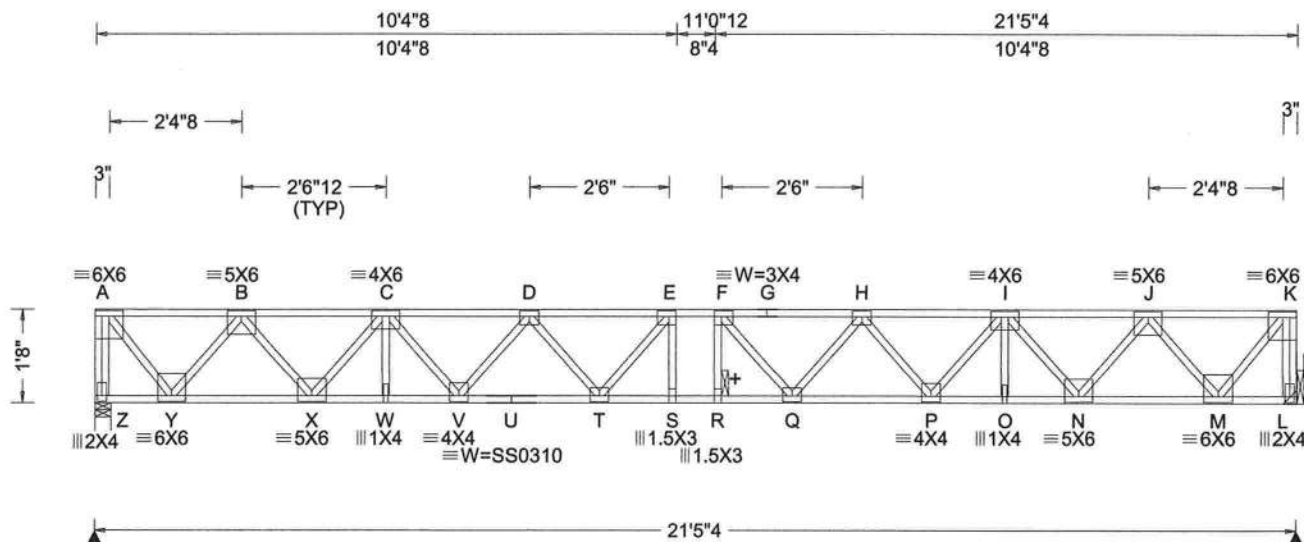
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|                           |                |                  |                                                                |                                                                                 |
|---------------------------|----------------|------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 338309<br>FROM: CDM | SY42<br>Qty: 1 | Ply: 1<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: F07 | Cust: R 215 JRef: 1X2R2150013 T2<br>DrwNo: 039.21.1656.51817<br>/ YK 02/08/2021 |
|---------------------------|----------------|------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                           | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                                | Defl/CSI Criteria                                                                                                                                                                                                                                               | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 40.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 5.00<br>Des Ld: 55.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.00<br>Spacing: 24.0 " | Wind Std: NA<br>Speed: NA mph<br>Enclosure: NA<br>Category: NA<br>EXP: NA Kzt: NA<br>Mean Height: NA ft<br>TCDL: NA psf<br>BCDL: NA psf<br>MWFRS Parallel Dist: NA<br>C&C Dist a: NA ft<br>Loc. from endwall: NA<br>I: NA GCpi: NA<br>Wind Duration: NA | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT: 12(0)/10(0)<br>Plate Type(s):<br>WAVE, 18SS | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.426 S 589 480<br>VERT(CL): 0.586 S 428 360<br>HORZ(LL): 0.069 M - -<br>HORZ(TL): 0.095 M - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.545<br>Max BC CSI: 0.725<br>Max Web CSI: 0.892<br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Z 1715 /- /- /- /- /-<br>L 1715 /- /- /- /- /-<br>Z Brg Width = 3.5 Min Req = 1.5<br>L Brg Width = - Min Req = -<br>Bearing Z is a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.<br>A - B 0 - 1101 F - G 0 - 5487<br>B - C 0 - 3225 G - H 0 - 5487<br>C - D 0 - 4723 H - I 0 - 4723<br>D - E 0 - 5487 I - J 0 - 3225<br>E - F 0 - 5688 J - K 0 - 1101 |

#### Lumber

Top chord: 4x2 SP M-31;  
Bot chord: 4x2 SP M-31;  
Webs: 4x2 SP #3;

#### Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)  
TC: From 150 plf at 0.00 to 150 plf at 21.44  
BC: From 10 plf at 0.00 to 10 plf at 21.44

#### Plating Notes

All plates are 3X4 except as noted.

#### Hangers / Ties

(J) Hanger Support Required, by others

#### Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-8-0.



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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| Y - X  | 2330 0     | S - R  | 5688 0      |
| X - W  | 4131 0     | R - Q  | 5688 0      |
| W - V  | 4131 0     | Q - P  | 5266 0      |
| V - U  | 5266 0     | P - O  | 4131 0      |
| U - T  | 5266 0     | O - N  | 4131 0      |
| T - S  | 5688 0     | N - M  | 2330 0      |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| A - Z | 0 - 1696   | F - Q | 172 - 623   |
| A - Y | 1873 0     | Q - H | 552 - 41    |
| Y - B | 0 - 1952   | H - P | 0 - 861     |
| B - X | 1420 0     | P - I | 915 0       |
| X - C | 0 - 1397   | I - N | 0 - 1397    |
| C - V | 915 0      | N - J | 1420 0      |
| V - D | 0 - 861    | J - M | 0 - 1952    |
| D - T | 552 - 41   | M - K | 1873 0      |
| T - E | 172 - 623  | K - L | 0 - 1674    |

FL REG# 278, Yoonhwak Kim, FL PE #86367  
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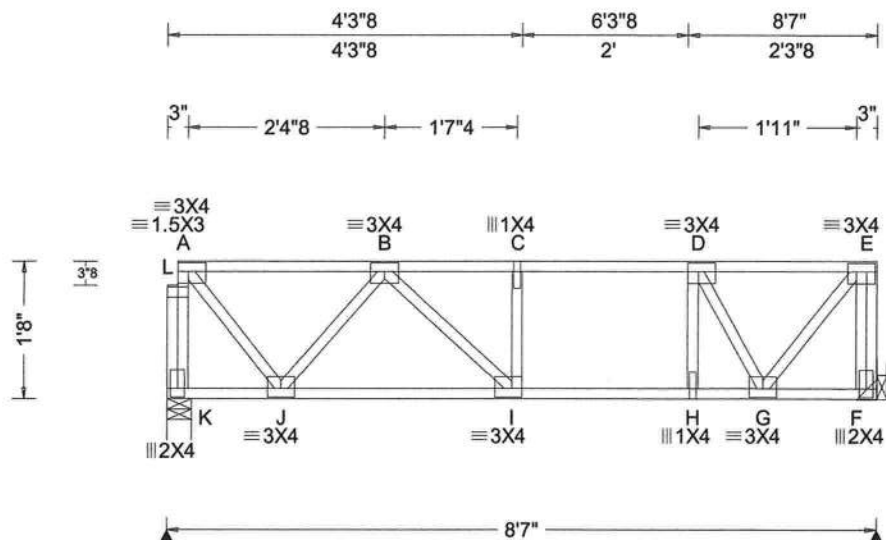
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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.

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For more information see these web sites: Alpine: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCEA: [sbceindustry.com](http://sbceindustry.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)

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|                           |                |                                                                          |                                                                                 |
|---------------------------|----------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 338310<br>FROM: CDM | SY42<br>Qty: 5 | Ply: 1<br>Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: F08 | Cust: R 215 JRef: 1X2R2150013 T8<br>DrwNo: 039.21.1656.52957<br>/ YK 02/08/2021 |
|---------------------------|----------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                           | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                | Defl/CSI Criteria                                                                                                                                                                                                                                                   | Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 40.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 5.00<br>Des Ld: 55.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.00<br>Spacing: 24.0 " | Wind Std: NA<br>Speed: NA mph<br>Enclosure: NA<br>Category: NA<br>EXP: NA Kzt: NA<br>Mean Height: NA ft<br>TCDL: NA psf<br>BCDL: NA psf<br>MWFRS Parallel Dist: NA<br>C&C Dist a: NA ft<br>Loc. from endwall: NA<br>I: NA GCpi: NA<br>Wind Duration: NA | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT: 12(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.084 C 999 480<br>VERT(CL): 0.127 C 767 360<br>HORZ(LL): 0.028 B - -<br>HORZ(TL): 0.042 B - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.657<br>Max BC CSI: 0.708<br>Max Web CSI: 0.229<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>K 456 /- /- /- /- /-<br>F 476 /- /- /- /- /-<br>K Brg Width = 3.5 Min Req = 1.5<br>F Brg Width = - Min Req = -<br>Bearing K is a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.<br>B - C 0 -533 C - D 0 -535 |

#### Lumber

Top chord: 4x2 SP #2;  
Bot chord: 4x2 SP #2;  
Webs: 4x2 SP #3;

#### 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=8'4" uses the following support conditions: 8'4"

Bearing F (8'4", 10') HUS46

Supporting Member: (2)2x6 SP 2400F-2.0E

(4) 0.148"x3" nails into supporting member,

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

#### Additional Notes

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-8-0.



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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| J - I  | 520 0      | H - G  | 529 0       |
| I - H  | 535 0      |        |             |

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

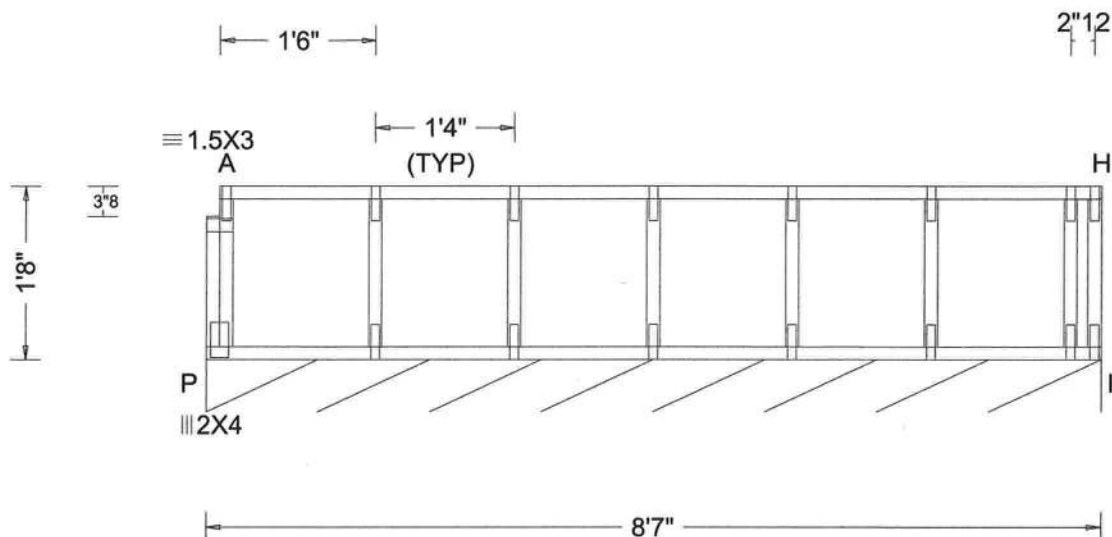
| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| L - K | 0 -473     | D - G | 0 -541      |
| A - L | 0 -457     | G - E | 482 0       |
| A - J | 453 0      | E - F | 0 -445      |
| J - B | 0 -387     |       |             |

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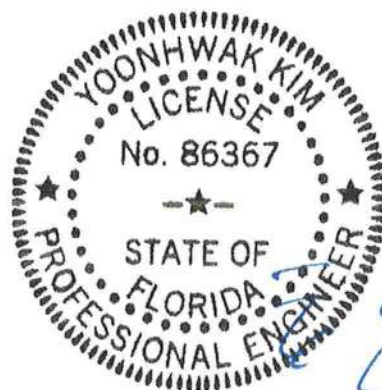
|                               |                         |                                     |                                 |                                               |
|-------------------------------|-------------------------|-------------------------------------|---------------------------------|-----------------------------------------------|
| <b>Loading Criteria</b> (psf) | <b>Wind Criteria</b>    | <b>Snow Criteria</b> (Pg,Pf in PSF) | <b>Defl/CSI Criteria</b>        | <b>▲ Maximum Reactions (lbs), or *=PLF</b>    |
| TCLL: 40.00                   | Wind Std: NA            | Pg: NA Ct: NA CAT: NA               | PP Deflection in loc L/defl L/# | Gravity Non-Gravity                           |
| TCDL: 10.00                   | Speed: NA mph           | Pf: NA Ce: NA                       | VERT(LL): 0.001 B 999 480       | Loc R+ / R- / Rh / Rw / U / RL                |
| BCLL: 0.00                    | Enclosure: NA           | Lu: NA Cs: NA                       | VERT(CL): 0.001 B 999 360       | I* 215 /- /- /- /-                            |
| BCDL: 5.00                    | Category: NA            | Snow Duration: NA                   | HORZ(LL): 0.001 B - -           | I Brg Width = 103 Min Req = -                 |
| Des Ld: 55.00                 | EXP: NA Kzt: NA         |                                     | HORZ(TL): 0.002 B - -           | Bearing P is a rigid surface.                 |
| NCBCLL: 10.00                 | Mean Height: NA ft      | Building Code:                      | Creep Factor: 2.0               | Members not listed have forces less than 375# |
| Soffit: 0.00                  | TCDL: NA psf            | FBC 7th Ed. 2020 Res.               | Max TC CSI: 0.328               |                                               |
| Load Duration: 1.00           | BCDL: NA psf            | TPI Std: 2014                       | Max BC CSI: 0.031               |                                               |
| Spacing: 24.0 "               | MWFRS Parallel Dist: NA | Rep Fac: Varies by Ld Case          | Max Web CSI: 0.070              |                                               |
|                               | C&C Dist a: NA ft       | FT/RT:20(0)/10(0)                   |                                 |                                               |
|                               | Loc. from endwall: NA   | Plate Type(s):                      |                                 |                                               |
|                               | I: NA GCpi: NA          | WAVE                                |                                 |                                               |
|                               | Wind Duration: NA       |                                     | VIEW Ver: 20.02.01A.1209.11     |                                               |

Top chord: 4x2 SP #2;  
Bot chord: 4x2 SP #2;  
Webs: 4x2 SP #3;

Sheathing is required for any longitudinal(drag) forces.  
All connections to be designed by the building designer.  
Fasten rated sheathing to one face of this frame.

All plates are 1X4 except as noted.

Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 1-8-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
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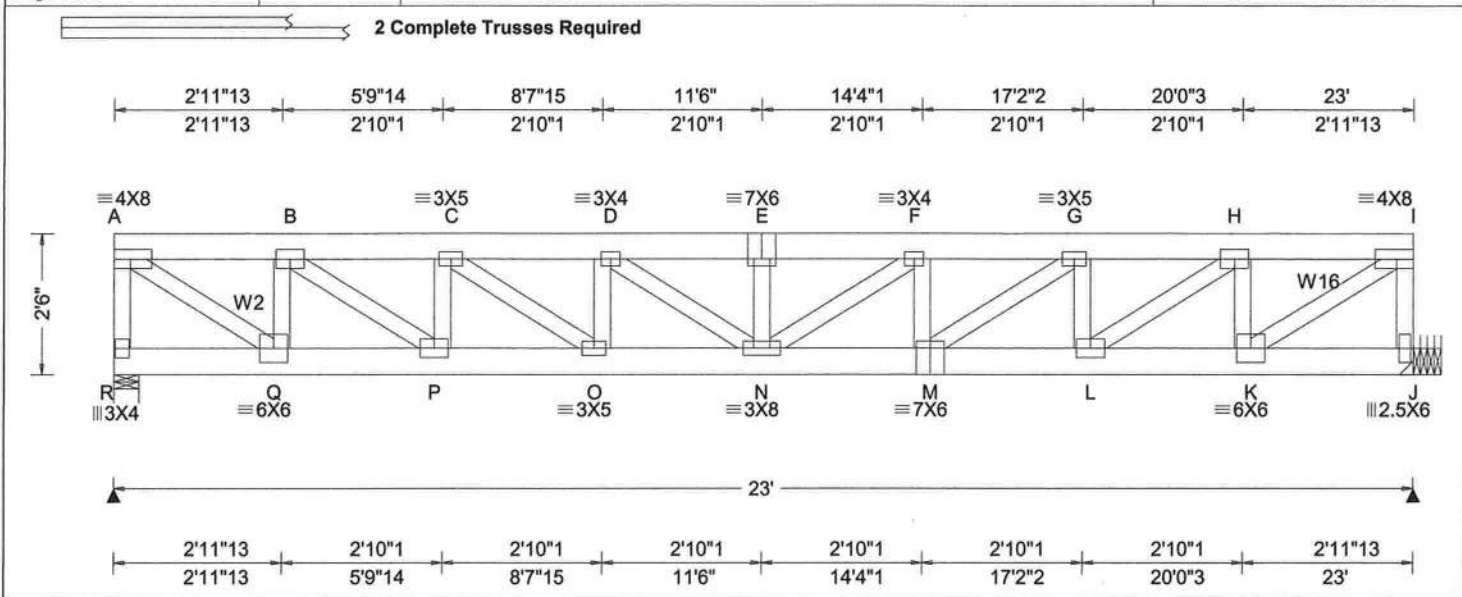
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| Loading Criteria (psf) |  | Wind Criteria           |  | Snow Criteria (Pg,Pf in PSF) |  | Defl/CSI Criteria               |  | ▲ Maximum Reactions (lbs)                     |                 |            |             |         |     |               |  |
|------------------------|--|-------------------------|--|------------------------------|--|---------------------------------|--|-----------------------------------------------|-----------------|------------|-------------|---------|-----|---------------|--|
| TCLL: 40.00            |  | Wind Std: NA            |  | Pg: NA Ct: NA CAT: NA        |  | PP Deflection in loc L/defl L/# |  | Gravity                                       |                 |            | Non-Gravity |         |     |               |  |
| TCDL: 10.00            |  | Speed: NA mph           |  | Pf: NA Ce: NA                |  | VERT(LL): 0.168 E 999 480       |  | Loc                                           | R+              | / R-       | / Rh        | / Rw    | / U | / RL          |  |
| BCLL: 0.00             |  | Enclosure: NA           |  | Lu: NA Cs: NA                |  | VERT(CL): 0.243 E 999 360       |  | R                                             | 2962            | /-         | /-          | /-      | /-  | /-            |  |
| BCDL: 5.00             |  | Category: NA            |  | Snow Duration: NA            |  | HORZ(LL): 0.034 A - -           |  | J                                             | 3182            | /-         | /-          | /-      | /-  | /-            |  |
| Des Ld: 55.00          |  | EXP: NA Kzt: NA         |  | Building Code:               |  | HORZ(TL): 0.049 A - -           |  | R                                             | Brg Width = 5.3 |            |             |         |     | Min Req = 1.5 |  |
| NCBCLL: 10.00          |  | Mean Height: NA ft      |  | FBC 7th Ed. 2020 Res.        |  | Creep Factor: 2.0               |  | J                                             | Brg Width = -   |            |             |         |     | Min Req = -   |  |
| Soffit: 0.00           |  | TCDL: NA psf            |  | TPI Std: 2014                |  | Max TC CSI: 0.196               |  | Bearing R is a rigid surface.                 |                 |            |             |         |     |               |  |
| Load Duration: 1.00    |  | BCDL: NA psf            |  | Rep Fac: Varies by Ld Case   |  | Max BC CSI: 0.335               |  | Members not listed have forces less than 375# |                 |            |             |         |     |               |  |
| Spacing: 24.0 "        |  | MWFRS Parallel Dist: NA |  | FT/RT:20(0)/10(0)            |  | Max Web CSI: 0.731              |  | Maximum Top Chord Forces Per Ply (lbs)        |                 |            |             |         |     |               |  |
|                        |  | C&C Dist a: NA ft       |  | Plate Type(s):               |  | VIEW Ver: 20.02.01A.1209.11     |  | Chords                                        |                 | Tens.Comp. |             | Chords  |     | Tens. Comp.   |  |
|                        |  | Loc. from endwall: NA   |  | WAVE                         |  |                                 |  | A - B                                         |                 | 0 - 1900   |             | E - F   |     | 0 - 4447      |  |
|                        |  | I: NA GCpi: NA          |  |                              |  |                                 |  | B - C                                         |                 | 0 - 3294   |             | F - G   |     | 0 - 4145      |  |
|                        |  | Wind Duration: NA       |  |                              |  |                                 |  | C - D                                         |                 | 0 - 3294   |             | G - H   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | D - E                                         |                 | 0 - 3294   |             | H - I   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | E - F                                         |                 | 0 - 3294   |             | I - J   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | F - G                                         |                 | 0 - 3294   |             | J - K   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | G - H                                         |                 | 0 - 3294   |             | K - L   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | H - I                                         |                 | 0 - 3294   |             | L - M   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | I - J                                         |                 | 0 - 3294   |             | M - N   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | J - K                                         |                 | 0 - 3294   |             | N - O   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | K - L                                         |                 | 0 - 3294   |             | O - P   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | L - M                                         |                 | 0 - 3294   |             | P - Q   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | M - N                                         |                 | 0 - 3294   |             | Q - R   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | N - O                                         |                 | 0 - 3294   |             | R - S   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | O - P                                         |                 | 0 - 3294   |             | S - T   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | P - Q                                         |                 | 0 - 3294   |             | T - U   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | Q - R                                         |                 | 0 - 3294   |             | U - V   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | R - S                                         |                 | 0 - 3294   |             | V - W   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | S - T                                         |                 | 0 - 3294   |             | W - X   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | T - U                                         |                 | 0 - 3294   |             | X - Y   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | U - V                                         |                 | 0 - 3294   |             | Y - Z   |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | V - W                                         |                 | 0 - 3294   |             | Z - AA  |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | W - X                                         |                 | 0 - 3294   |             | AA - AB |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | X - Y                                         |                 | 0 - 3294   |             | AB - AC |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | Y - Z                                         |                 | 0 - 3294   |             | AC - AD |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | Z - AA                                        |                 | 0 - 3294   |             | AD - AE |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AA - AB                                       |                 | 0 - 3294   |             | AE - AF |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AB - AC                                       |                 | 0 - 3294   |             | AF - AG |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AC - AD                                       |                 | 0 - 3294   |             | AG - AH |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AD - AE                                       |                 | 0 - 3294   |             | AH - AI |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AE - AF                                       |                 | 0 - 3294   |             | AI - AJ |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AF - AG                                       |                 | 0 - 3294   |             | AJ - AK |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AG - AH                                       |                 | 0 - 3294   |             | AK - AL |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AH - AI                                       |                 | 0 - 3294   |             | AL - AM |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AI - AJ                                       |                 | 0 - 3294   |             | AM - AN |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AJ - AK                                       |                 | 0 - 3294   |             | AN - AO |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AK - AL                                       |                 | 0 - 3294   |             | AO - AP |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AL - AM                                       |                 | 0 - 3294   |             | AP - AQ |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AM - AN                                       |                 | 0 - 3294   |             | AQ - AR |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AN - AO                                       |                 | 0 - 3294   |             | AR - AS |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AO - AP                                       |                 | 0 - 3294   |             | AS - AT |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AP - AQ                                       |                 | 0 - 3294   |             | AT - AU |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AQ - AR                                       |                 | 0 - 3294   |             | AU - AV |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AR - AS                                       |                 | 0 - 3294   |             | AV - AW |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AS - AT                                       |                 | 0 - 3294   |             | AW - AX |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AT - AU                                       |                 | 0 - 3294   |             | AX - AY |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AU - AV                                       |                 | 0 - 3294   |             | AY - AZ |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AV - AW                                       |                 | 0 - 3294   |             | AZ - BA |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AW - AX                                       |                 | 0 - 3294   |             | BA - BB |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AX - AY                                       |                 | 0 - 3294   |             | BB - BC |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AY - AZ                                       |                 | 0 - 3294   |             | BC - BD |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | AZ - BA                                       |                 | 0 - 3294   |             | BD - BE |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BA - BB                                       |                 | 0 - 3294   |             | BE - BF |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BB - BC                                       |                 | 0 - 3294   |             | BF - BG |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BC - BD                                       |                 | 0 - 3294   |             | BG - BH |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BD - BE                                       |                 | 0 - 3294   |             | BH - BI |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BE - BF                                       |                 | 0 - 3294   |             | BI - BJ |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BF - BG                                       |                 | 0 - 3294   |             | BJ - BK |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BG - BH                                       |                 | 0 - 3294   |             | BK - BL |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BH - BI                                       |                 | 0 - 3294   |             | BL - BM |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BI - BJ                                       |                 | 0 - 3294   |             | BM - BN |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BJ - BK                                       |                 | 0 - 3294   |             | BN - BO |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BK - BL                                       |                 | 0 - 3294   |             | BO - BP |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BL - BM                                       |                 | 0 - 3294   |             | BP - BQ |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BM - BN                                       |                 | 0 - 3294   |             | BQ - BR |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BN - BO                                       |                 | 0 - 3294   |             | BR - BS |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BO - BP                                       |                 | 0 - 3294   |             | BS - BT |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BP - BQ                                       |                 | 0 - 3294   |             | BT - BU |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BQ - BR                                       |                 | 0 - 3294   |             | BU - BV |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BR - BS                                       |                 | 0 - 3294   |             | BV - BW |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BS - BT                                       |                 | 0 - 3294   |             | BW - BX |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BT - BU                                       |                 | 0 - 3294   |             | BX - BY |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BU - BV                                       |                 | 0 - 3294   |             | BY - BZ |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BV - BW                                       |                 | 0 - 3294   |             | BZ - CA |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BW - BX                                       |                 | 0 - 3294   |             | CA - CB |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BX - BY                                       |                 | 0 - 3294   |             | CB - CC |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BY - BZ                                       |                 | 0 - 3294   |             | CC - CD |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | BZ - CA                                       |                 | 0 - 3294   |             | CD - CE |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CA - CB                                       |                 | 0 - 3294   |             | CE - CF |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CB - CC                                       |                 | 0 - 3294   |             | CF - CG |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CC - CD                                       |                 | 0 - 3294   |             | CG - CH |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CD - CE                                       |                 | 0 - 3294   |             | CH - CI |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CE - CF                                       |                 | 0 - 3294   |             | CI - CJ |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CF - CG                                       |                 | 0 - 3294   |             | CJ - CK |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CG - CH                                       |                 | 0 - 3294   |             | CK - CL |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CH - CI                                       |                 | 0 - 3294   |             | CL - CM |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CI - CJ                                       |                 | 0 - 3294   |             | CM - CN |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CJ - CK                                       |                 | 0 - 3294   |             | CN - CO |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CK - CL                                       |                 | 0 - 3294   |             | CO - CP |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CL - CM                                       |                 | 0 - 3294   |             | CP - CQ |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CM - CN                                       |                 | 0 - 3294   |             | CQ - CR |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CN - CO                                       |                 | 0 - 3294   |             | CR - CS |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CO - CP                                       |                 | 0 - 3294   |             | CS - CT |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CP - CQ                                       |                 | 0 - 3294   |             | CT - CU |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CQ - CR                                       |                 | 0 - 3294   |             | CU - CV |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CR - CS                                       |                 | 0 - 3294   |             | CV - CW |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CS - CT                                       |                 | 0 - 3294   |             | CW - CX |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CT - CU                                       |                 | 0 - 3294   |             | CX - CY |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CU - CV                                       |                 | 0 - 3294   |             | CY - CZ |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CV - CW                                       |                 | 0 - 3294   |             | CZ - DA |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CW - CX                                       |                 | 0 - 3294   |             | DA - DB |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CX - CY                                       |                 | 0 - 3294   |             | DB - DC |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CY - CZ                                       |                 | 0 - 3294   |             | DC - DD |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | CZ - DA                                       |                 | 0 - 3294   |             | DD - DE |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DA - DB                                       |                 | 0 - 3294   |             | DE - DF |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DB - DC                                       |                 | 0 - 3294   |             | DF - DG |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DC - DD                                       |                 | 0 - 3294   |             | DG - DH |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DD - DE                                       |                 | 0 - 3294   |             | DH - DI |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DE - DF                                       |                 | 0 - 3294   |             | DI - DJ |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DF - DG                                       |                 | 0 - 3294   |             | DJ - DK |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DG - DH                                       |                 | 0 - 3294   |             | DK - DL |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DH - DI                                       |                 | 0 - 3294   |             | DL - DM |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DI - DJ                                       |                 | 0 - 3294   |             | DM - DN |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DJ - DK                                       |                 | 0 - 3294   |             | DN - DO |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DK - DL                                       |                 | 0 - 3294   |             | DO - DP |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DL - DM                                       |                 | 0 - 3294   |             | DP - DQ |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DM - DN                                       |                 | 0 - 3294   |             | DQ - DR |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DN - DO                                       |                 | 0 - 3294   |             | DR - DS |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DO - DP                                       |                 | 0 - 3294   |             | DS - DT |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DP - DQ                                       |                 | 0 - 3294   |             | DT - DU |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DQ - DR                                       |                 | 0 - 3294   |             | DU - DV |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DR - DS                                       |                 | 0 - 3294   |             | DV - DW |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DS - DT                                       |                 | 0 - 3294   |             | DW - DX |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DT - DU                                       |                 | 0 - 3294   |             | DX - DY |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DU - DV                                       |                 | 0 - 3294   |             | DY - DZ |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DV - DW                                       |                 | 0 - 3294   |             | DZ - EA |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DW - DX                                       |                 | 0 - 3294   |             | EA - EB |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DX - DY                                       |                 | 0 - 3294   |             | EB - EC |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DY - DZ                                       |                 | 0 - 3294   |             | EC - ED |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | DZ - EA                                       |                 | 0 - 3294   |             | ED - EE |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | EA - EB                                       |                 | 0 - 3294   |             | EE - EF |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | EB - EC                                       |                 | 0 - 3294   |             | EF - EG |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | EC - ED                                       |                 | 0 - 3294   |             | EG - EH |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  | ED - EE                                       |                 | 0 - 3294   |             | EH - EI |     | 0 - 3294      |  |
|                        |  |                         |  |                              |  |                                 |  |                                               |                 |            |             |         |     |               |  |

|                                          |                          |                                                                  |                                                                                  |
|------------------------------------------|--------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338312<br>FROM: CDM<br>Page 2 of 2 | FLAT<br>Ply: 2<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: FTG01 | Cust: R 215 JRef: 1X2R2150013 T19<br>DrwNo: 039.21.1656.58783<br>/ YK 02/08/2021 |
|------------------------------------------|--------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------|

#### 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 connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

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=22'9" uses the following support conditions: 22'9"

Bearing J (22'9", 10') HGUS26-2

Supporting Member: (4)2x6 SP 2400f-2.0E

(20) 0.148"x3" nails into supporting

member,

(6) 0.148"x3" nails into supported

member.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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

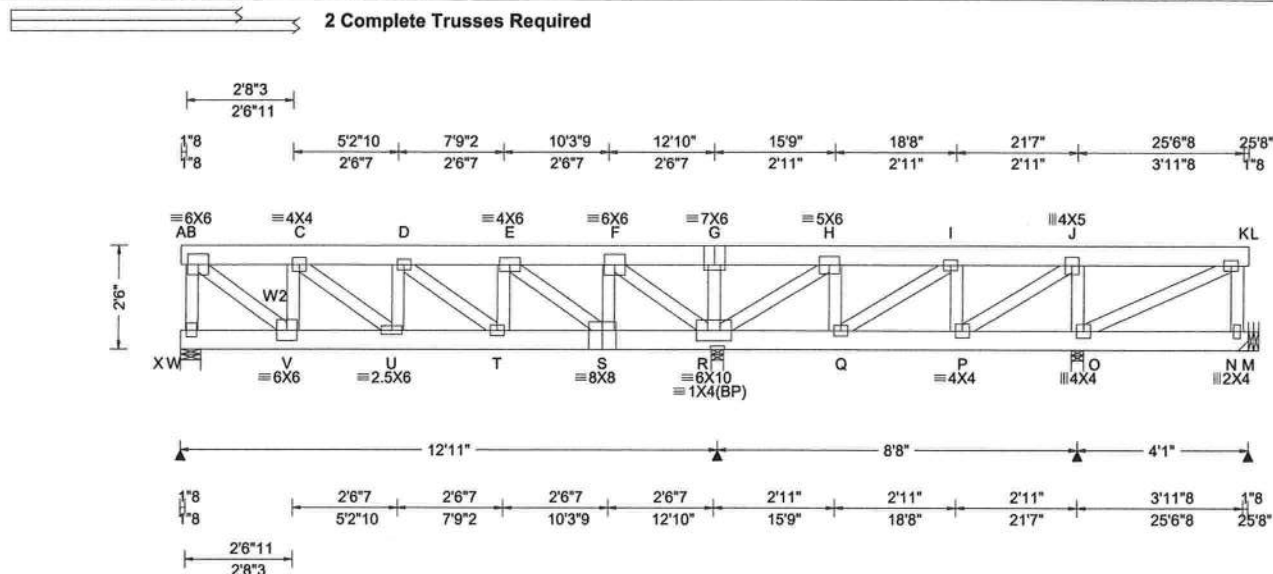
#### **\*\*IMPORTANT\*\*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCA: [sbcindustry.com](http://sbcindustry.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)

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| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                           | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                              | Defl/CSI Criteria                                                                                                                                                                                                                                                   | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 40.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 5.00<br>Des Ld: 55.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.00<br>Spacing: 24.0 " | Wind Std: NA<br>Speed: NA mph<br>Enclosure: NA<br>Category: NA<br>EXP: NA Kzt: NA<br>Mean Height: NA ft<br>TCDL: NA psf<br>BCDL: NA psf<br>MWFRS Parallel Dist: NA<br>C&C Dist a: NA ft<br>Loc. from endwall: NA<br>I: NA GCpi: NA<br>Wind Duration: NA | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.043 D 999 480<br>VERT(CL): 0.076 D 999 360<br>HORZ(LL): 0.010 A - -<br>HORZ(TL): 0.018 A - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.406<br>Max BC CSI: 0.289<br>Max Web CSI: 0.886<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ /R- /Rh /Rw /U /RL<br>X 4132 /- /0 /120 /- /-<br>R 10566 /- /- /- /270 /-<br>O 5801 /- /- /- /574 /-<br>M 723 /- /- /- /145 /-<br>X Brg Width = 6.0 Min Req = 1.7<br>R Brg Width = 3.5 Min Req = 3.4<br>O Brg Width = 3.5 Min Req = 2.0<br>M Brg Width = - Min Req = -<br>Bearings X, R, & O are a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp. |

#### Lumber

Top chord: 2x6 SP 2400f-2.0E;  
Bot chord: 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #3; W2 2x4 SP #2;

#### Nail Note

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @ 3.75" o.c.  
Bot Chord: 1 Row @ 6.50" 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.=1.00 / Plate Dur.Fac.=1.00)  
TC: From 650 plf at 0.00 to 650 plf at 25.08  
TC: From 50 plf at 25.08 to 50 plf at 25.67  
BC: From 5 plf at 0.00 to 5 plf at 25.67  
BC: 241 lb Conc. Load at 2.15, 4.15, 6.15, 8.15, 10.15, 12.15, 14.15, 16.15, 18.15, 20.15, 22.15, 24.15  
BC: 268 lb Conc. Load at 13.13, 15.13, 17.13, 19.13, 21.13, 23.13, 25.13

#### Plating Notes

All plates are 3X4 except as noted.

#### Purlins

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

#### Wind

End verticals not exposed to wind pressure.

#### Additional Notes

Provide uplift connections at bearings as indicated.  
UPLIFT (LB): 270 575 145  
BRG.LOC (FT): 0.00 12.77 21.44 25.42  
Truss designed for 130.00 mph wind, 15.00 ft mean height with dead load of 5.00 psf (Top) and 3.00 psf (Bottom).  
Enclosed building (SBC)  
Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 2-6-0.  
WIND LOAD CASE MODIFIED



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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| V - U  | 2067 0     | S - R  | 463 0       |
| U - T  | 2724 0     | Q - P  | 728 -119    |
| T - S  | 2192 0     |        |             |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| B - W | 0 -2009    | F - R | 0 -3184     |
| B - V | 2426 0     | G - R | 0 -1070     |
| V - C | 0 -1472    | R - H | 155 -2547   |
| C - U | 813 0      | H - Q | 678 -119    |
| U - D | 0 -394     | Q - I | 0 -684      |
| D - T | 1 -608     | P - J | 1056 -175   |
| T - E | 581 0      | J - O | 85 -2070    |
| E - S | 0 -2070    | O - K | 35 -519     |
| S - F | 1398 0     |       |             |

FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
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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: alpineitw.com; TPI: tpinet.org; SBCEA: sbceaindustry.com; ICC: iccsafe.org; AWC: awc.org

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|              |      |        |                     |                                   |
|--------------|------|--------|---------------------|-----------------------------------|
| SEQN: 338313 | FLAT | Ply: 2 | Job Number: 20-4946 | Cust: R 215 JRef: 1X2R2150013 T11 |
| FROM: CDM    |      | Qty: 1 | Cody Barrs New Home | DrwNo: 039.21.1657.06447          |
| Page 2 of 2  |      |        | Truss Label: FTG02  | / YK 02/08/2021                   |

#### 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  $x=25'5"$ ,  $y=10'$  uses the following support conditions: 25'5"

Bearing N (25'5", 10') LUS26-2

Supporting Member: (2)2x6 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting member,

(3) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

#### **\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS DRAWING! **\*\*IMPORTANT\*\*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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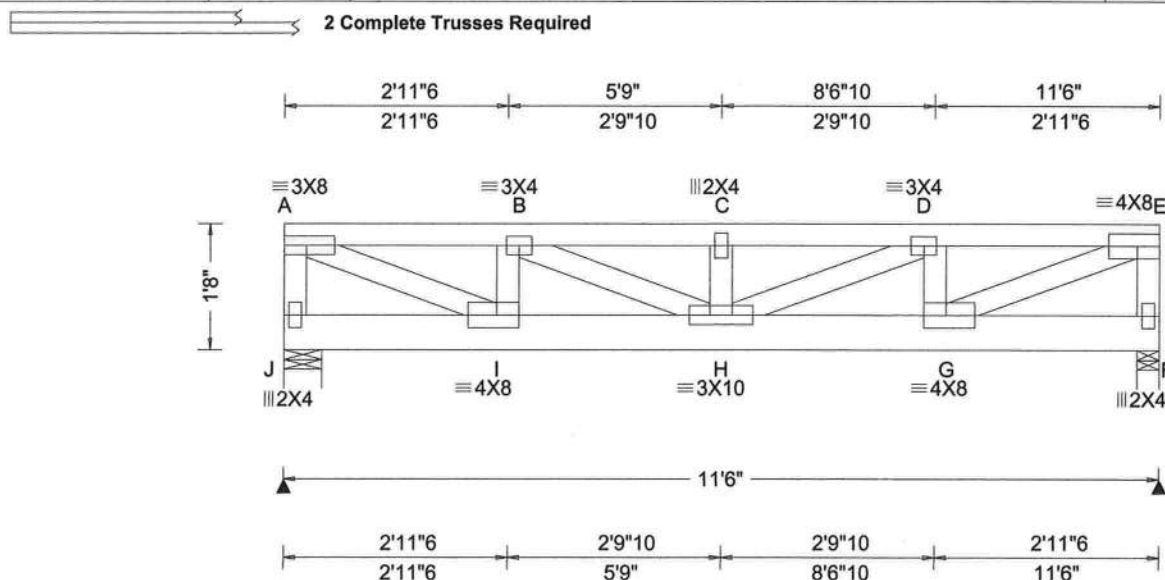
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|                           |                          |                                                                  |                                                                                  |
|---------------------------|--------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338315<br>FROM: CDM | FLAT<br>Ply: 2<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: FTG04 | Cust: R 215 JRef: 1X2R2150013 T14<br>DrwNo: 039.21.1657.13023<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf) | Wind Criteria           | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs)                     |                 |      |             |               |     |      |
|------------------------|-------------------------|------------------------------|---------------------------------|-----------------------------------------------|-----------------|------|-------------|---------------|-----|------|
| TCLL: 40.00            | Wind Std: NA            | Pg: NA Ct: NA CAT: NA        | PP Deflection in loc L/defl L/# | Gravity                                       |                 |      | Non-Gravity |               |     |      |
| TCDL: 10.00            | Speed: NA mph           | Pf: NA Ce: NA                | VERT(LL): 0.082 C 999 480       | Loc                                           | R+              | / R- | / Rh        | / Rw          | / U | / RL |
| BCLL: 0.00             | Enclosure: NA           | Lu: NA Cs: NA                | VERT(CL): 0.113 C 999 360       | J                                             | 1747            | /-   | /-          | /-            | /-  | /-   |
| BCDL: 5.00             | Category: NA            | Snow Duration: NA            | HORZ(LL): 0.017 A - -           | F                                             | 1987            | /-   | /-          | /-            | /-  | /-   |
|                        | EXP: NA Kzt: NA         |                              | HORZ(TL): 0.023 A - -           | J                                             | Brg Width = 6.0 |      |             | Min Req = 1.5 |     |      |
| Des Ld: 55.00          | Mean Height: NA ft      |                              | Creep Factor: 2.0               | F                                             | Brg Width = 3.5 |      |             | Min Req = 1.5 |     |      |
| NCBCLL: 10.00          | TCDL: NA psf            | Building Code:               | Max TC CSI: 0.662               | Bearings J & F are a rigid surface.           |                 |      |             |               |     |      |
| Soffit: 0.00           | BCDL: NA psf            | FBC 7th Ed. 2020 Res.        | Max BC CSI: 0.331               | Members not listed have forces less than 375# |                 |      |             |               |     |      |
| Load Duration: 1.00    | MWFRS Parallel Dist: NA | TPI Std: 2014                | Max Web CSI: 0.914              | Maximum Top Chord Forces Per Ply (lbs)        |                 |      |             |               |     |      |
| Spacing: 24.0 "        | C&C Dist a: NA ft       | Rep Fac: Varies by Ld Case   |                                 | Chords                                        | Tens.Comp.      |      | Chords      | Tens. Comp.   |     |      |
|                        | Loc. from endwall: NA   | FT/RT:20(0)/10(0)            |                                 | A - B                                         | 0 - 1623        |      | C - D       | 0 - 2479      |     |      |
|                        | I: NA GCpi: NA          | Plate Type(s):               |                                 | B - C                                         | 0 - 2479        |      | D - E       | 0 - 1758      |     |      |
|                        | Wind Duration: NA       | WAVE                         | VIEW Ver: 20.02.01A.1209.11     |                                               |                 |      |             |               |     |      |

#### Lumber

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

#### Nailnote

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @ 5.25" 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

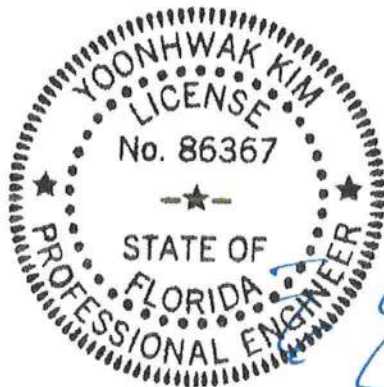
----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)  
TC: From 50 plf at 0.00 to 50 plf at 11.50  
BC: From 5 plf at 0.00 to 5 plf at 11.50  
TC: 476 lb Conc. Load at 2.15, 4.15, 6.15, 8.15  
10.15  
BC: 723 lb Conc. Load at 6.35

#### Purlins

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

#### Additional Notes

Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 1-8-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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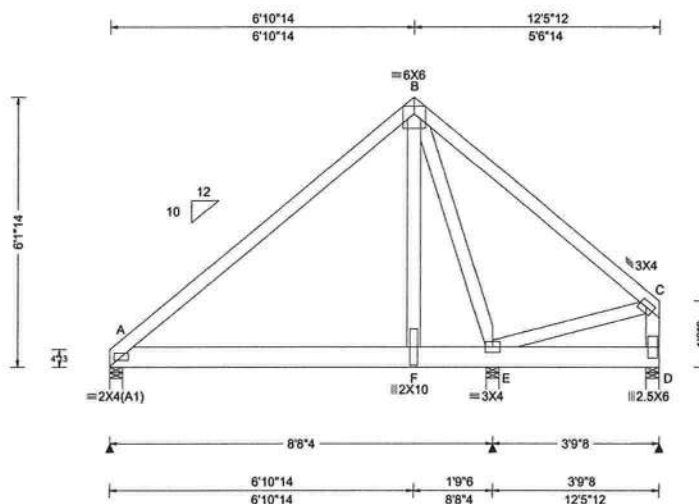
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCEA: sbceindustry.com; ICC: iccsafe.org; AWC: awc.org



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|                           |                          |                                                                |                                                                                 |
|---------------------------|--------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 338268<br>FROM: CDM | COMN<br>Ply: 2<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: G01 | Cust: R 215 JRef: 1X2R2150013 T7<br>DrwNo: 039.21.1657.26343<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------|

2 Complete Trusses Required



| Loading Criteria (psf) |        | Wind Criteria        |                | Snow Criteria (Pg,Pf in PSF) |        | Defl/CSI Criteria |                                 | ▲ Maximum Reactions (lbs)                     |                 |               |             |      |      |      |
|------------------------|--------|----------------------|----------------|------------------------------|--------|-------------------|---------------------------------|-----------------------------------------------|-----------------|---------------|-------------|------|------|------|
| TCLL:                  | 20.00  | Wind Std:            | ASCE 7-16      | 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): 0.019 F 999 480       | Loc                                           | R+              | / R-          | / Rh        | / Rw | / U  | / RL |
| BCLL:                  | 0.00   | Enclosure:           | Closed         | Lu: NA                       | Cs: NA |                   | VERT(CL): 0.038 F 999 360       | A                                             | 2955            | /-            | /-          | /-   | /278 | /-   |
| BCDL:                  | 10.00  | Risk Category:       | II             | Snow Duration:               | NA     |                   | HORZ(LL): 0.015 F - -           | E                                             | 2639            | /-            | /-          | /-   | /245 | /-   |
| Des Ld:                | 40.00  | EXP: C               | Kzt: NA        |                              |        |                   | HORZ(TL): 0.031 F - -           | D                                             | 2005            | /-            | /-          | /-   | /251 | /-   |
| NCBCLL:                | 0.00   | Mean Height:         | 24.01 ft       | Building Code:               |        |                   | Creep Factor: 2.0               | Wind reactions based on MWFRS                 |                 |               |             |      |      |      |
| Soffit:                | 2.00   | TCDL:                | 5.0 psf        | FBC 7th Ed. 2020 Res.        |        |                   | Max TC CSI: 0.551               | A                                             | Brg Width = 3.5 | Min Req = 1.5 |             |      |      |      |
| Load Duration:         | 1.25   | BCDL:                | 5.0 psf        | TPI Std: 2014                |        |                   | Max BC CSI: 0.555               | E                                             | Brg Width = 3.5 | Min Req = 1.5 |             |      |      |      |
| Spacing:               | 24.0 " | MWFRS Parallel Dist: | 0 to h/2       | Rep Fac: No                  |        |                   | Max Web CSI: 0.546              | D                                             | Brg Width = 3.5 | Min Req = 1.5 |             |      |      |      |
|                        |        | C&C Dist a:          | 3.00 ft        | FT/RT:20(0)/10(0)            |        |                   |                                 | Bearings A, E, & D are a rigid surface.       |                 |               |             |      |      |      |
|                        |        | Loc. from endwall:   | not in 9.00 ft | Plate Type(s):               |        |                   |                                 | Members not listed have forces less than 375# |                 |               |             |      |      |      |
|                        |        | GCpi:                | 0.18           | WAVE                         |        |                   |                                 | Maximum Top Chord Forces Per Ply (lbs)        |                 |               |             |      |      |      |
|                        |        | Wind Duration:       | 1.60           |                              |        |                   | VIEW Ver: 20.02.01A.1209.11     | Chords                                        | Tens.Comp.      | Chords        | Tens. Comp. |      |      |      |

#### Lumber

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

#### Nailnote

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @ 12.00" o.c.  
Bot Chord: 1 Row @ 3.25" 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)  
TC: From 66 plf at 0.00 to 66 plf at 12.48  
BC: From 10 plf at 0.00 to 10 plf at 12.48  
BC: 954 lb Conc. Load at 2.40, 4.40, 6.40, 8.40  
10.40, 12.40

#### Wind

Wind loads and reactions based on MWFRS.  
Right end vertical not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of this truss excluding overhang is 7'-0".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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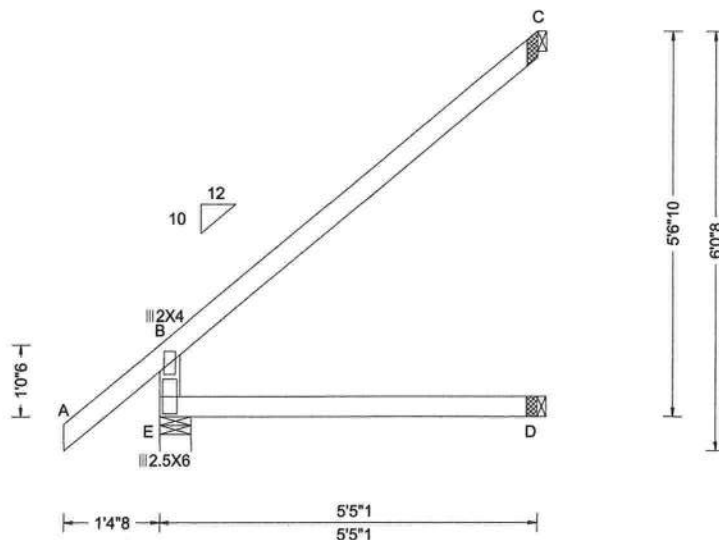
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|                           |                |                  |                                                                |                                                                                  |
|---------------------------|----------------|------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338269<br>FROM: CDM | JACK<br>Qty: 1 | Ply: 1<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: J01 | Cust: R 215 JRef: 1X2R2150013 T22<br>DrwNo: 039.21.1657.27923<br>/ YK 02/08/2021 |
|---------------------------|----------------|------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                                  | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                            | Defl/CSI Criteria                                                                                                                                                                                                                                                | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 4.50 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.000 B 999 480<br>VERT(CL): 0.000 B 999 360<br>HORZ(LL): -0.002 B - -<br>HORZ(TL): 0.002 B - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.701<br>Max BC CSI: 0.364<br>Max Web CSI: 0.154<br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>E 343 /- /- /338 /148 /-<br>D 108 /- /- /54 /- /-<br>C 167 /- /- /104 /7 /190<br>Wind reactions based on MWFRS<br>E Brg Width = 5.5 Min Req = 1.5<br>D Brg Width = 1.5 Min Req = -<br>C Brg Width = 1.5 Min Req = -<br>Bearing E is a rigid surface.<br>Members not listed have forces less than 375#<br>Maximum Top Chord Forces Per Ply (lbs)<br>Chords Tens.Comp. |

#### 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.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of this truss excluding overhang is 5'-6"-10".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

B - C 387 -159

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

Webs Tens.Comp.

B - E 516 -289

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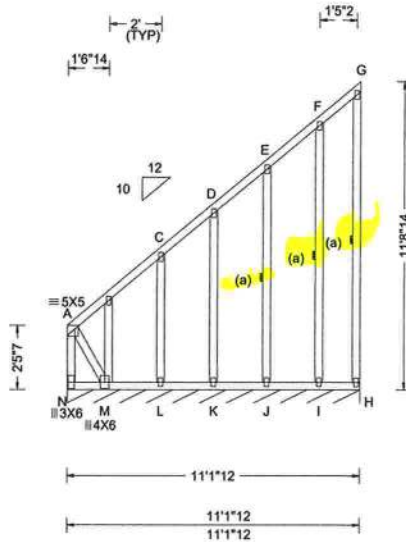
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|                           |                          |                                                                |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338270<br>FROM: CDM | GABL<br>Ply: 1<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: M01 | Cust: R 215 JRef: 1X2R2150013 T25<br>DrwNo: 039.21.1657.30290<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                       | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                              | Defl/CSI Criteria                                                                                                                                                                                                                                                    | ▲ Maximum Reactions (lbs), or *PLF                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 17.10 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT: 20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.006 A 999 480<br>VERT(CL): 0.006 F 999 360<br>HORZ(LL): -0.052 F - -<br>HORZ(TL): 0.060 F - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.162<br>Max BC CSI: 0.154<br>Max Web CSI: 0.634<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>H* 170 /- /- /107 /63 /83<br>Wind reactions based on MWFRS<br>H Brg Width = 133 Min Req = -<br>Bearing N is a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.<br>A - C 427 -1487 D - E 208 -671<br>C - D 280 -945 E - F 132 -388 |

#### Lumber

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

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Plating Notes

All plates are 2X4 except as noted.

#### Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

#### Purlins

In lieu of structural panels use purlins to brace TC @ 24" oc.

#### Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

#### Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.  
The overall height of this truss excluding overhang is 11-8-14.

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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| M - L  | 1188 -320  | J - I  | 1206 -327   |
| L - K  | 1196 -323  | I - H  | 1209 -329   |
| K - J  | 1201 -325  |        |             |

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

| Webs  | Tens.Comp. |
|-------|------------|
| A - M | 2131 -576  |

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

| Gables | Tens.Comp. | Gables | Tens. Comp. |
|--------|------------|--------|-------------|
| A - N  | 699 -2657  | E - J  | 396 -330    |
| C - L  | 413 -313   | F - I  | 382 -327    |
| D - K  | 382 -314   |        |             |



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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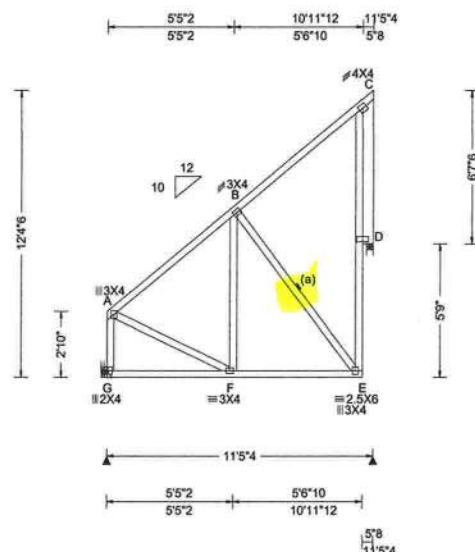
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|                           |                          |                                                                |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338271<br>FROM: CDM | SPEC<br>Ply: 1<br>Qty: 5 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: M02 | Cust: R 215 JRef: 1X2R2150013 T46<br>DrwNo: 039.21.1657.32013<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                       | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                | Defl/CSI Criteria                                                                                                                                                                                                                                                        | Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 17.60 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT: 20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.011 E 999 480<br>VERT(CL): 0.022 E 999 360<br>HORZ(LL): -0.015 C - -<br>HORZ(TL): 0.019 C - -<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.649<br>Max BC CSI: 0.395<br>Max Web CSI: 0.580<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>G 521 /- /- /258 /- /368<br>D 546 /- /- /472 /336 /-<br>Wind reactions based on MWFRS<br>G Brg Width = - Min Req = -<br>D Brg Width = 3.5 Min Req = 1.5<br>Bearing D is a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp.<br>A - B 0 -441 |

#### Lumber

Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;  
Rt Bearing Leg: 2x6 SP 2400F-2.0E;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### 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=0' uses the following support conditions: 0'

Bearing G (0', 10') LUS26

Supporting Member: (2)2x6 SP 2400F-2.0E

(4) 0.148"x3" nails into supporting member,

(3) 0.148"x3" nails into supported member.

#### Loading

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

#### Wind

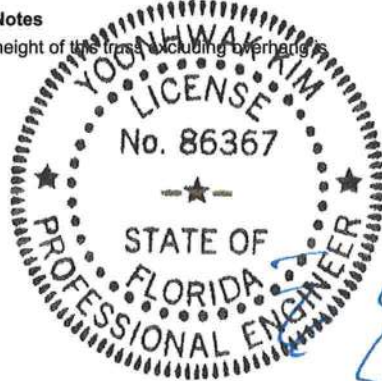
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of the truss including overhangs is 12'-4".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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

Chords Tens.Comp.

G - F 180 -632

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

Webs Tens.Comp. Webs Tens. Comp.

A - G 0 -488 D - E 381 -403  
B - E 539 -405 C - D 1178 -1029

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

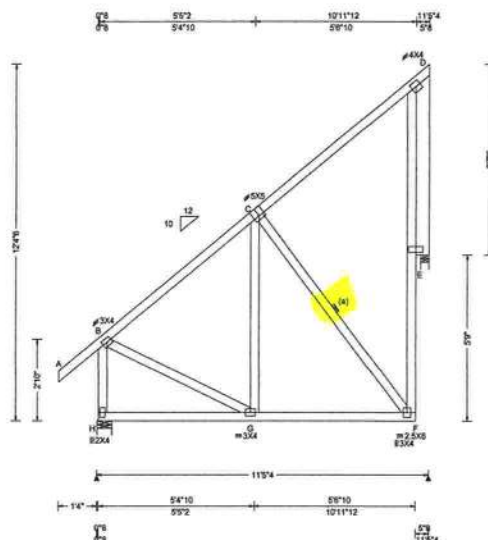
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 or 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.

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|                           |                          |                                                                |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338272<br>FROM: CDM | SPEC<br>Ply: 1<br>Qty: 4 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: M03 | Cust: R 215 JRef: 1X2R2150013 T43<br>DrwNo: 039.21.1657.33293<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf) | Wind Criteria                     | Snow Criteria (Pg,Pf in PSF)                                                                                            | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs)                     |                 |      |               |      |      |      |
|------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------|-----------------|------|---------------|------|------|------|
| TCLL: 20.00            | Wind Std: ASCE 7-16               | 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): 0.011 F 999 480       | Loc                                           | R+              | / R- | / Rh          | / Rw | / U  | / RL |
| BCLL: 0.00             | Enclosure: Closed                 | Lu: NA Cs: NA                                                                                                           | VERT(CL): 0.022 F 999 360       | H                                             | 623             | /-   | /-            | /337 | /-   | /366 |
| BCDL: 10.00            | Risk Category: II                 | Snow Duration: NA                                                                                                       | HORZ(LL): -0.014 D - -          | E                                             | 538             | /-   | /-            | /473 | /300 | /-   |
| Des Ld: 40.00          | EXP: C Kzt: NA                    | Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | HORZ(TL): 0.017 D - -           | Wind reactions based on MWFRS                 |                 |      |               |      |      |      |
| NCBCLL: 10.00          | Mean Height: 17.04 ft             |                                                                                                                         | Creep Factor: 2.0               | H                                             | Brg Width = 6.0 |      | Min Req = 1.5 |      |      |      |
| Soffit: 2.00           | TCDL: 5.0 psf                     |                                                                                                                         | Max TC CSI: 0.505               | E                                             | Brg Width = 3.5 |      | Min Req = 1.5 |      |      |      |
| Load Duration: 1.25    | BCDL: 5.0 psf                     |                                                                                                                         | Max BC CSI: 0.392               | Bearings H & E are a rigid surface.           |                 |      |               |      |      |      |
| Spacing: 24.0 "        | MWFRS Parallel Dist: h/2 to h     |                                                                                                                         | Max Web CSI: 0.587              | Members not listed have forces less than 375# |                 |      |               |      |      |      |
|                        | C&C Dist a: 3.00 ft               |                                                                                                                         |                                 | <b>Maximum Top Chord Forces Per Ply (lbs)</b> |                 |      |               |      |      |      |
|                        | Loc. from endwall: not in 9.00 ft |                                                                                                                         |                                 | Chords Tens.Comp.                             |                 |      |               |      |      |      |
|                        | GCpi: 0.18                        |                                                                                                                         |                                 |                                               |                 |      |               |      |      |      |
|                        | Wind Duration: 1.60               |                                                                                                                         | VIEW Ver: 20.02.01A.1209.11     | B - C                                         | 0               | -436 |               |      |      |      |

#### Lumber

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

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Loading

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

#### Wind

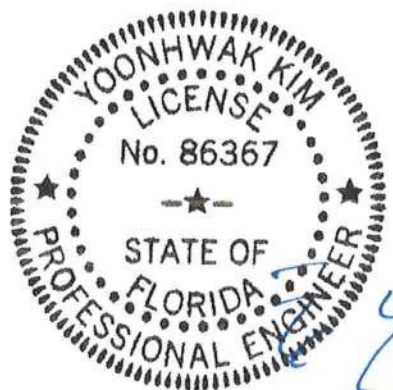
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of this truss excluding overhang is 12-4-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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

Chords Tens.Comp.

H - G 214 -572

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

Webs Tens.Comp. Webs Tens. Comp.

B - H 0 -591 D - E 994 -936

C - F 411 -389

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

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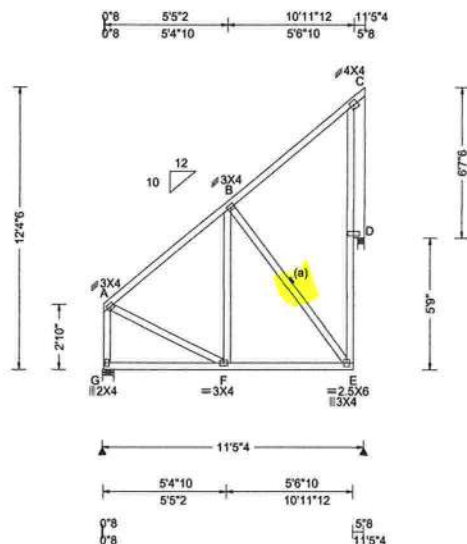
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|                           |                          |                                                                |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338273<br>FROM: CDM | SPEC<br>Ply: 1<br>Qty: 1 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: M04 | Cust: R 215 JRef: 1X2R2150013 T45<br>DrwNo: 039.21.1657.34570<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                                 | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                | Defl/CSI Criteria                                                                                                                                                                                                                                                    | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 17.62 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: h to 2h<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.009 E 999 480<br>VERT(CL): 0.020 E 999 360<br>HORZ(LL): -0.009 C - -<br>HORZ(TL): 0.014 B - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.555<br>Max BC CSI: 0.392<br>Max Web CSI: 0.533<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>G 482 /- /- /257 /- /252<br>D 489 /- /- /471 /191 /-<br>Wind reactions based on MWFRS<br>G Brg Width = 6.0 Min Req = 1.5<br>D Brg Width = 3.5 Min Req = 1.5<br>Bearings G & D are a rigid surface.<br>Members not listed have forces less than 375#<br>Maximum Top Chord Forces Per Ply (lbs)<br>Chords Tens.Comp.<br>A - B 0 -393 |

#### Lumber

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

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of this truss excluding overhang is 12-4-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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

Chords Tens.Comp.  
G - F 179 -500

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

Webs Tens.Comp. Webs Tens. Comp.  
A - G 0 -442 C - D 937 -881  
B - E 409 -361

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

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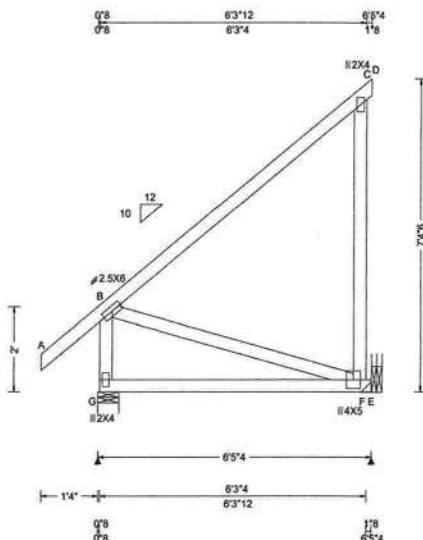


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|                           |                          |                                                                |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338276<br>FROM: CDM | MONO<br>Ply: 1<br>Qty: 4 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: M07 | Cust: R 215 JRef: 1X2R2150013 T35<br>DrwNo: 039.21.1657.38453<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                       | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                | Defl/CSI Criteria                                                                                                                                                                                                                                                   | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.010 D 999 480<br>VERT(CL): 0.014 C 999 360<br>HORZ(LL): 0.006 C - -<br>HORZ(TL): 0.015 C - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.942<br>Max BC CSI: 0.484<br>Max Web CSI: 0.395<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>G 383 /- /- /229 /- /218<br>E 265 /- /- /267 /172 /-<br>Wind reactions based on MWFRS<br>G Brg Width = 6.0 Min Req = 1.5<br>E Brg Width = - Min Req = -<br>Bearing G is a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Bot Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp.<br>G - F 171 -588 |

#### Lumber

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

#### Additional Notes

The overall height of this truss excluding overhang is 7'-4".

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| B - F | 609 -177   | C - F | 375 -196    |

#### 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=6'2"4 uses the following support conditions: 6'2"4

Bearing F (6'2"4, 10') LUS26

Supporting Member: (2)2x8 SP 2400F-2.0E

(4) 0.148"x3" nails into supporting

member,

(3) 0.148"x3" nails into supported

member.

#### Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

#### \*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING! \*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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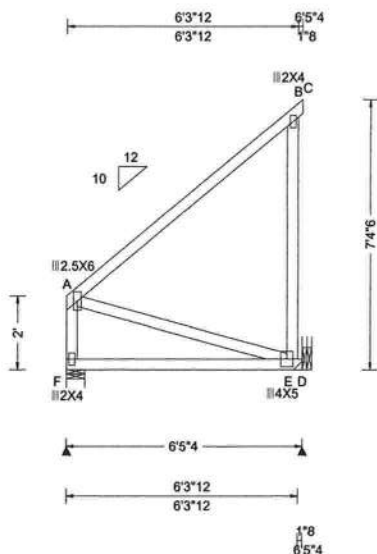
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|                           |                |                                                                          |                                                                                  |
|---------------------------|----------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338277<br>FROM: CDM | MONO<br>Qty: 8 | Ply: 1<br>Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: M08 | Cust: R 215 JRef: 1X2R2150013 T34<br>DrwNo: 039.21.1657.39213<br>/ YK 02/08/2021 |
|---------------------------|----------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf) |  | Wind Criteria                     |  | Snow Criteria (Pg,Pf in PSF) |  | Defl/CSI Criteria               |  | ▲ Maximum Reactions (lbs)                     |     |                  |     |               |      |      |
|------------------------|--|-----------------------------------|--|------------------------------|--|---------------------------------|--|-----------------------------------------------|-----|------------------|-----|---------------|------|------|
| TCLL: 20.00            |  | Wind Std: ASCE 7-16               |  | 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): 0.010 C 999 480       |  | Loc                                           | R+  | /R-              | /Rh | /Rw           | /U   | /RL  |
| BCLL: 0.00             |  | Enclosure: Closed                 |  | Lu: NA Cs: NA                |  | VERT(CL): 0.014 B 999 360       |  | F                                             | 277 | /-               | /-  | /148          | /-   | /187 |
| BCDL: 10.00            |  | Risk Category: II                 |  | Snow Duration: NA            |  | HORZ(LL): 0.006 B - -           |  | D                                             | 277 | /-               | /-  | /270          | /167 | /-   |
| Des Ld: 40.00          |  | EXP: C Kzt: NA                    |  | Building Code:               |  | HORZ(TL): 0.016 B - -           |  | Wind reactions based on MWFRS                 |     |                  |     |               |      |      |
| NCBCLL: 10.00          |  | Mean Height: 15.00 ft             |  | FBC 7th Ed. 2020 Res.        |  | Creep Factor: 2.0               |  | D                                             |     | Brig Width = 6.0 |     | Min Req = 1.5 |      |      |
| Soffit: 2.00           |  | TCDL: 5.0 psf                     |  | TPI Std: 2014                |  | Max TC CSI: 0.893               |  | F                                             |     | Brig Width = -   |     | Min Req = -   |      |      |
| Load Duration: 1.25    |  | BCDL: 5.0 psf                     |  | Rep Fac: Yes                 |  | Max BC CSI: 0.491               |  | Bearing F is a rigid surface.                 |     |                  |     |               |      |      |
| Spacing: 24.0 "        |  | MWFRS Parallel Dist: h/2 to h     |  | FT/RT:20(0)/10(0)            |  | Max Web CSI: 0.425              |  | Members not listed have forces less than 375# |     |                  |     |               |      |      |
|                        |  | C&C Dist a: 3.00 ft               |  | Plate Type(s):               |  | VIEW Ver: 20.02.01A.1209.11     |  | Maximum Bot Chord Forces Per Ply (lbs)        |     |                  |     |               |      |      |
|                        |  | Loc. from endwall: not in 9.00 ft |  | WAVE                         |  |                                 |  | Chords Tens.Comp.                             |     |                  |     |               |      |      |
|                        |  | GCpi: 0.18                        |  |                              |  |                                 |  | F - E                                         |     | 144 -429         |     |               |      |      |
|                        |  | Wind Duration: 1.60               |  |                              |  |                                 |  |                                               |     |                  |     |               |      |      |

#### Lumber

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

#### Additional Notes

The overall height of this truss excluding overhang is 7'-4".

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

Webs Tens.Comp.  
A - E 443 -149

#### 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=6'2"4" uses the following support conditions: 6'2"4"

Bearing E (6'2"4", 10") LUS26

Supporting Member: (2)2x8 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting member,

(3) 0.148"x3" nails into supported member.

#### Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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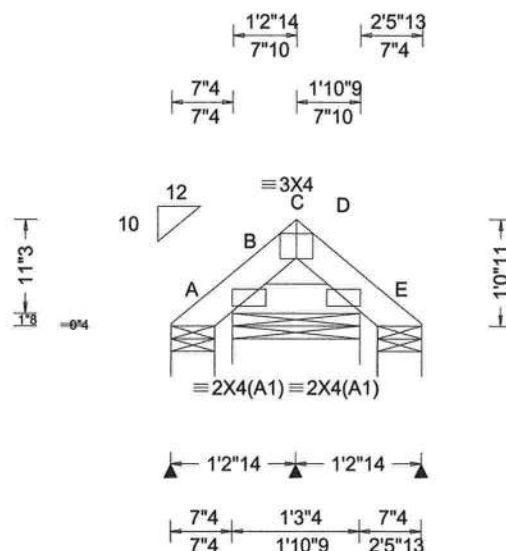
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6750 Forum Drive  
Suite 305  
Orlando FL, 32821

|                           |                           |                                                                 |                                                                                  |
|---------------------------|---------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338278<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 34 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: PB01 | Cust: R 215 JRef: 1X2R2150013 T32<br>DrwNo: 039.21.1658.46743<br>/ YK 02/08/2021 |
|---------------------------|---------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf) | Wind Criteria                 | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs)                     |
|------------------------|-------------------------------|------------------------------|---------------------------------|-----------------------------------------------|
| TCLL: 20.00            | Wind Std: ASCE 7-16           | 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): 0.000 999 480         | Loc R+ / R- / Rh / Rw / U / RL                |
| BCLL: 0.00             | Enclosure: Closed             | Lu: NA Cs: NA                | VERT(CL): 0.000 999 360         | A 50 /- /- /2 /- /-                           |
| BCDL: 10.00            | Risk Category: II             | Snow Duration: NA            | HORZ(LL): -0.000 - -            | B 100 /- /- /38 /- /-                         |
|                        | EXP: C Kzt: NA                |                              | HORZ(TL): 0.000 - -             | E 50 /- /- /7 /- /-                           |
| Des Ld: 40.00          | Mean Height: 28.29 ft         | Building Code:               | Creep Factor: 2.0               | Wind reactions based on MWFRS                 |
| NCBCLL: 10.00          | TCDL: 5.0 psf                 | FBC 7th Ed. 2020 Res.        | Max TC CSI: 0.002               | A Brg Width = 5.2 Min Req = 1.5               |
| Soffit: 2.00           | BCDL: 2.0 psf                 | TPI Std: 2014                | Max BC CSI: 0.003               | B Brg Width = 15.3 Min Req = 1.5              |
| Load Duration: 1.25    | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes                 | Max Web CSI: 0.000              | E Brg Width = 5.2 Min Req = 1.5               |
| Spacing: 24.0 "        | C&C Dist a: 3.00 ft           | FT/RT:20(0)/10(0)            |                                 | Bearings A, B, & E are a rigid surface.       |
|                        | Loc. from endwall: Any        | Plate Type(s):               |                                 | Members not listed have forces less than 375# |
|                        | GCpi: 0.18                    |                              |                                 |                                               |
|                        | Wind Duration: 1.60           | WAVE                         | VIEW Ver: 20.02.01A.1209.11     |                                               |

#### Lumber

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

#### Purlins

In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

#### Wind

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

Wind loading based on both gable and hip roof types.

#### Additional Notes

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 1-0-11.

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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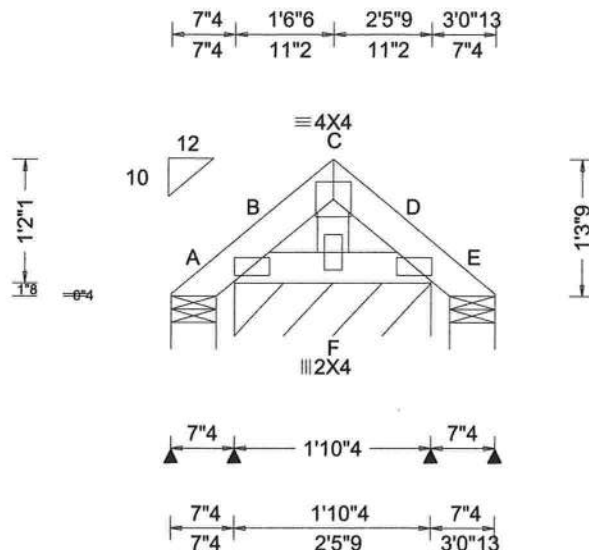
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|                           |                          |                                                                 |                                                                                  |
|---------------------------|--------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 338279<br>FROM: CDM | SPEC<br>Ply: 1<br>Qty: 2 | Job Number: 20-4946<br>Cody Barrs New Home<br>Truss Label: PB02 | Cust: R 215 JRef: 1X2R2150013 T29<br>DrwNo: 039.21.1659.01173<br>/ YK 02/08/2021 |
|---------------------------|--------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                       | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                | Defl/CSI Criteria                                                                                                                                                                                                                                                       | ▲ Maximum Reactions (lbs), or *PLF                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 28.17 ft<br>TCDL: 5.0 psf<br>BCDL: 2.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT: 20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.000 F 999 480<br>VERT(CL): 0.000 F 999 360<br>HORZ(LL): 0.000 F - -<br>HORZ(TL): 0.000 F - -<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.002<br>Max BC CSI: 0.002<br>Max Web CSI: 0.001<br><br>VIEW Ver: 20.02.01A.1209.11 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>A 50 /- /- /2 /- /-<br>B* 100 /- /- /29 /- /-<br>E 50 /- /- /7 /- /-<br><br>Wind reactions based on MWFRS<br>A Brg Width = 5.2 Min Req = 1.5<br>B Brg Width = 22.3 Min Req = -<br>E Brg Width = 5.2 Min Req = 1.5<br>Bearings A, B, & E are a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

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

#### Plating Notes

All plates are 2X4(A1) except as noted.

#### Purlins

In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

#### Wind

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

Wind loading based on both gable and hip roof types.

#### Additional Notes

Refer to DWG PB160160118 for piggyback details.

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

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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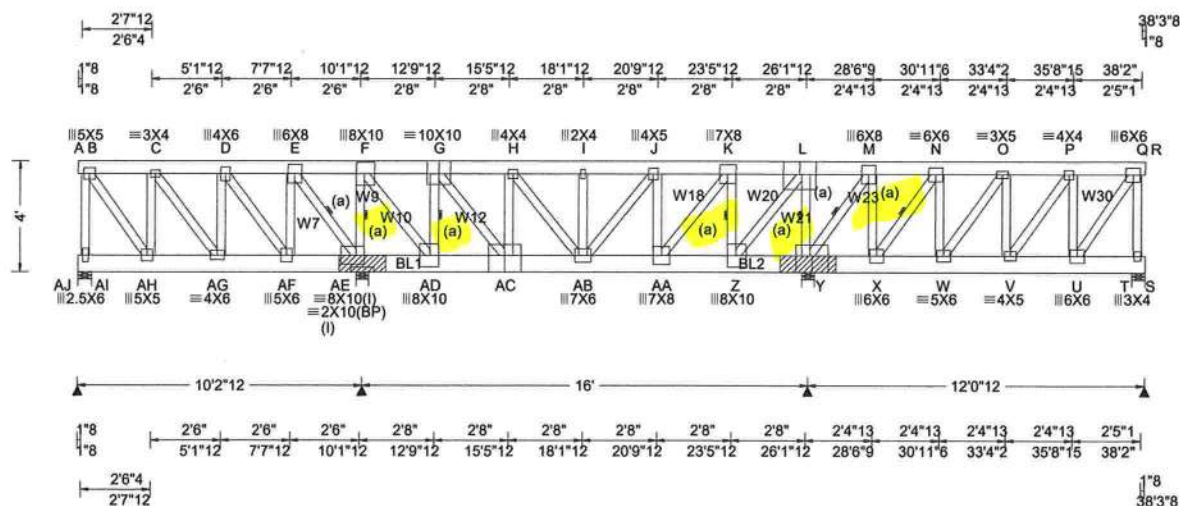
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**ALPINE**  
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## 2 Complete Trusses Required



| Loading Criteria (psf) | Wind Criteria           | Snow Criteria (Pg,Pf in PSF)                                                                                           | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs)                     |       |    |             |      |      |     |
|------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------|-------|----|-------------|------|------|-----|
|                        |                         |                                                                                                                        |                                 | Gravity                                       |       |    | Non-Gravity |      |      |     |
|                        |                         |                                                                                                                        |                                 | Loc                                           | R+    | R- | /Rh         | /Rw  | /U   | /RL |
| TCLL: 40.00            | Wind Std: NA            | Pg: NA Ct: NA CAT: NA                                                                                                  | PP Deflection in loc L/defl L/# | AJ                                            | 4343  | /- | /-          | /-   | /199 | /-  |
| TCDL: 10.00            | Speed: NA mph           | Pf: NA Ce: NA                                                                                                          | VERT(LL): 0.106 I 999 480       | AE                                            | 20220 | /- | /-          | /-   | /944 | /-  |
| BCLL: 0.00             | Enclosure: NA           | Lu: NA Cs: NA                                                                                                          | VERT(CL): 0.170 I 999 360       | Y                                             | 19971 | /- | /-          | /-   | /510 | /-  |
| BCDL: 5.00             | Category: NA            | Snow Duration: NA                                                                                                      | HORZ(LL): 0.012 F - -           | S                                             | 7104  | /- | /-          | /114 | /-   | /-  |
| Des Ld: 55.00          | EXP: NA Kzt: NA         | Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: No<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | HORZ(TL): 0.019 F - -           | Creep Factor: 2.0                             |       |    |             |      |      |     |
| NCBCLL: 10.00          | Mean Height: NA ft      |                                                                                                                        | Max TC CSI: 0.471               | AJ Brg Width = 6.0 Min Req = 1.8              |       |    |             |      |      |     |
| Soffit: 0.00           | TCDL: NA psf            |                                                                                                                        | Max BC CSI: 0.487               | AE Brg Width = 5.5 Min Req = -                |       |    |             |      |      |     |
| Load Duration: 1.00    | BCDL: NA psf            |                                                                                                                        | Max Web CSI: 0.990              | Y Brg Width = 5.5 Min Req = -                 |       |    |             |      |      |     |
| Spacing: 24.0 "        | MWFRS Parallel Dist: NA |                                                                                                                        |                                 | S Brg Width = 5.5 Min Req = 2.9               |       |    |             |      |      |     |
|                        | C&C Dist a: NA ft       |                                                                                                                        |                                 | Bearings AJ, AE, Y, & T are a rigid surface.  |       |    |             |      |      |     |
|                        | Loc. from endwall: NA   |                                                                                                                        |                                 | Members not listed have forces less than 375# |       |    |             |      |      |     |
|                        | I: NA GCpi: NA          |                                                                                                                        |                                 | Maximum Top Chord Forces Per Ply (lbs)        |       |    |             |      |      |     |
|                        | Wind Duration: NA       |                                                                                                                        |                                 |                                               |       |    |             |      |      |     |
|                        |                         |                                                                                                                        | VIEW Ver: 20.01.01A.0724.11     |                                               |       |    |             |      |      |     |

**Lumber**  
Top chord: 2x6 SP 2400f-2.0E;  
Bot chord: 2x8 SP 2400f-2.0E;  
Webs: 2x4 SP #3; W7,W9,W12,W18,W21,W23,  
W30 2x4 SP #2; W10,W20 2x4 SP M-31;

**Bracing**  
(a) Continuous lateral restraint equally spaced on member.

**Nailnote**  
Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @ 3.50" o.c.  
Bot Chord: 2 Rows @ 4.00" o.c. (Each Row)  
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.=1.00 / Plate Dur.Fac.=1.00)  
TC: From 700 plf at 0.00 to 700 plf at 38.29  
BC: From 10 plf at 0.00 to 10 plf at 38.29  
BC: 1400 lb Conc. Load at 2.15, 4.15, 6.15, 8.15  
BC: 1136 lb Conc. Load at 10.15  
BC: 1413 lb Conc. Load at 12.15, 14.15, 16.15, 18.15, 20.15, 22.15, 24.15  
BC: 1179 lb Conc. Load at 28.15, 30.15, 32.15, 34.15, 36.15  
BC: 1715 lb Conc. Load at 38.15

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

**Plating Notes**  
All plates are 12X14 except as noted.  
(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

**Wind**  
End verticals not exposed to wind pressure.

**Bearing Block(s)**  
Brg blocks: 0.128"x3", min. nails  
brg x-loc #blocks length (ft) #nails/bk wall/plate  
2 10.00' 1 20 26 Rigid Surface  
3 26.00' 1 24 26 Rigid Surface  
Brg block to be same size and species as chord.  
Refer to drawing 160A-Z for more information.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
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| Maximum Bot Chord Forces Per Ply (lbs) |            |        |       |       |
|----------------------------------------|------------|--------|-------|-------|
| Chords                                 | Tens.Comp. | Chords | Tens. | Comp. |
| AH-AG                                  | 1112 -60   | AA-Z   | 847   | -90   |
| AG-AF                                  | 907 -52    | Z-Y    | 78    | -2358 |
| AF-AE                                  | 20 -594    | Y-X    | 97    | -722  |
| AE-AD                                  | 102 -2092  | X-W    | 1115  | 0     |
| AD-AC                                  | 1009 -67   | W-V    | 1836  | 0     |
| AC-AB                                  | 3022 -183  | V-U    | 1502  | 0     |
| AB-AA                                  | 2946 -194  |        |       |       |

| Maximum Web Forces Per Ply (lbs) |            |      |             |
|----------------------------------|------------|------|-------------|
| Webs                             | Tens.Comp. | Webs | Tens. Comp. |
| B-AI                             | 89 -2003   | J-AA | 45 -1904    |
| B-AH                             | 1847 -106  | AA-K | 3470 -177   |
| AH-C                             | 0 -774     | K-Z  | 141 -3697   |
| AG-D                             | 1142 -99   | Z-L  | 5032 -277   |
| D-AF                             | 108 -2222  | L-Y  | 229 -5225   |
| AF-E                             | 2211 -160  | Y-M  | 0 -4109     |
| E-AE                             | 189 -3699  | M-X  | 2608 0      |
| A-E                              | 237 -5160  | X-N  | 22 -2848    |
| F-AD                             | 4899 -276  | N-W  | 1715 -24    |
| AD-G                             | 153 -3567  | W-O  | 37 -1160    |

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|              |      |        |                     |                          |                   |     |
|--------------|------|--------|---------------------|--------------------------|-------------------|-----|
| SEQN: 358030 | MONO | Ply: 2 | Job Number: 20-4946 | Cust: R 215              | JRef: 1X2R2150013 | T13 |
| FROM: CDM    |      | Qty: 1 | Cody Barrs New Home | DrwNo: 039.21.1658.12400 |                   |     |
| Page 2 of 2  |      |        | Truss Label: FTG03  | / YK                     | 02/08/2021        |     |

#### Additional Notes

Provide uplift connections at bearings as indicated.

UPLIFT (LB): 200 945 511

BRG.LOC (FT): 0.00 10.00 26.00 37.83

Truss designed for 130.00 mph wind, 15.00 ft mean height with dead load of 5.00 psf (Top) and 3.00 psf (Bottom).

Enclosed building (SBC)

\* WARNING\* A reaction exceeds 20000 lbs.

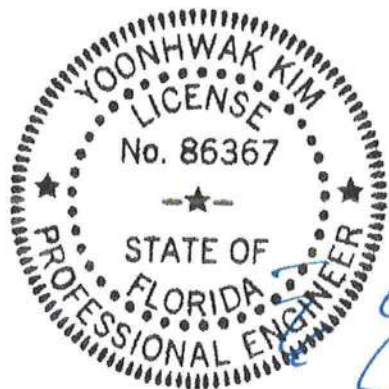
Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 4'-0".

WIND LOAD CASE MODIFIED!

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.

|      |      |       |     |      |       |
|------|------|-------|-----|------|-------|
| G-AC | 3335 | -196  | V-P | 666  | 0     |
| AC-H | 60   | -1794 | P-U | 0    | -1492 |
| H-AB | 1050 | -77   | U-Q | 2502 | 0     |
| I-AB | 0    | -816  | Q-T | 0    | -2555 |
| AB-J | 1195 | -58   |     |      |       |



FL REG# 278, Yoonhwak Kim, FL PE #86367  
02/08/2021

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For more information see these web sites: Alpine: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCA: [sbcindustry.com](http://sbcindustry.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)

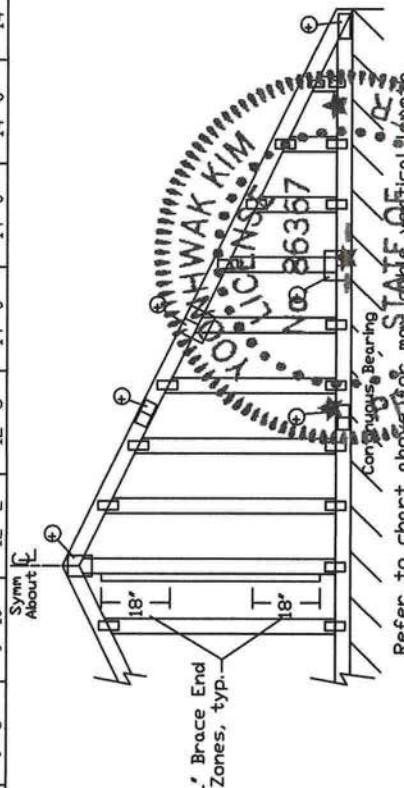
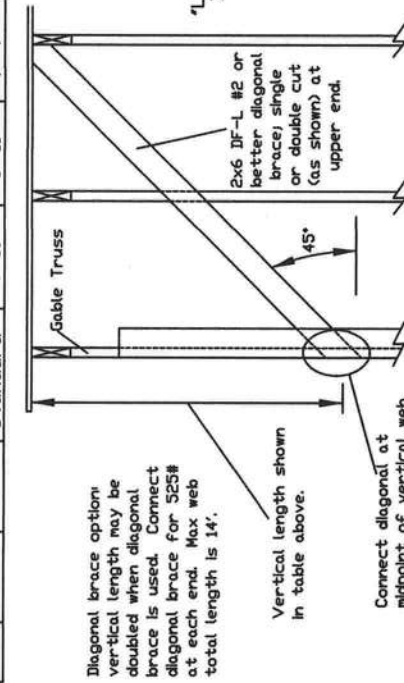


6750 Forum Drive  
Suite 305  
Orlando FL, 32821

ASCE 7-16: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure

| Dr | 120 mph | Wind Speed, 30' | Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00 |
|----|---------|-----------------|---------------------------------------------------------|
| Dr | 120 mph | Wind Speed, 30' | Mean Height, Enclosed, Exposure D, Kzt = 1.00           |
| Dr | 100 mph | Wind speed, 30' | Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00 |

| 2x4 Gable Vertical Spacing |     | Brace    |          | No Braces | (1) 1x4 "L" Brace ■ (2) 2x4 "L" Brace ■ (1) 2x6 "L" Brace ■ (2) 2x6 "L" Brace ■ |         |         |         |         |         |         |         |         |         |         |        |        |        |        |        |        |        |        |         |        |        |
|----------------------------|-----|----------|----------|-----------|---------------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|
|                            |     | Species  | Grade    |           | Group A                                                                         | Group B | Group A | Group B | Group A | Group B | Group A | Group B | Group A | Group B |         |        |        |        |        |        |        |        |        |         |        |        |
| 24" o.c.                   | SPF | HF       | Standard | #1        | 4' 1"                                                                           | 6' 11"  | 7' 2"   | 8' 2"   | 8' 6"   | 9' 9"   | 10' 2"  | 12' 8"  | 13' 4"  | 14' 0"  | SP      | #1     | 4' 1"  | 6' 11" | 7' 2"  | 8' 2"  | 8' 6"  | 9' 9"  | 10' 2" | 12' 10" | 13' 4" | 14' 0" |
|                            |     |          |          | #2        | 4' 1"                                                                           | 6' 11"  | 7' 2"   | 8' 2"   | 8' 6"   | 9' 9"   | 10' 2"  | 12' 10" | 13' 4"  | 14' 0"  |         |        | 14' 0" |        |        |        |        |        |        |         |        |        |
|                            |     |          |          | #3        | 4' 0"                                                                           | 5' 7"   | 5' 11"  | 7' 5"   | 7' 11"  | 9' 8"   | 10' 1"  | 11' 7"  | 12' 5"  | 14' 0"  |         |        | 14' 0" |        |        |        |        |        |        |         |        |        |
|                            |     |          |          | Standard  | 3' 9"                                                                           | 4' 11"  | 5' 13"  | 6' 6"   | 7' 0"   | 8' 10"  | 9' 6"   | 10' 3"  | 11' 7"  | 12' 5"  |         |        | 14' 0" |        |        |        |        |        |        |         |        |        |
|                            | SPF | HF       | Standard | #1 / #2   | 4' 8"                                                                           | 7' 11"  | 8' 3"   | 9' 4"   | 9' 9"   | 11' 2"  | 11' 7"  | 14' 0"  | 14' 0"  | DFL     | #1 / #2 | 4' 8"  | 7' 11" | 8' 3"  | 9' 4"  | 9' 9"  | 11' 2" | 11' 7" | 14' 0" | 14' 0"  | 14' 0" |        |
|                            |     |          |          | #3        | 4' 5"                                                                           | 7' 6"   | 8' 0"   | 9' 3"   | 9' 7"   | 11' 0"  | 11' 6"  | 14' 0"  | 14' 0"  |         |         | 14' 0" |        |        |        |        |        |        |        |         |        |        |
|                            |     |          |          | Standard  | 4' 5"                                                                           | 6' 5"   | 6' 10"  | 8' 7"   | 9' 2"   | 11' 0"  | 11' 6"  | 13' 6"  | 14' 0"  |         |         | 14' 0" |        |        |        |        |        |        |        |         |        |        |
|                            |     |          |          | #1        | 4' 10"                                                                          | 8' 0"   | 8' 4"   | 9' 6"   | 9' 10"  | 11' 3"  | 11' 9"  | 14' 0"  | 14' 0"  |         |         | 14' 0" |        |        |        |        |        |        |        |         |        |        |
|                            | SPF | HF       | Standard | #2        | 4' 7"                                                                           | 7' 11"  | 8' 3"   | 9' 4"   | 9' 9"   | 11' 2"  | 11' 7"  | 14' 0"  | 14' 0"  | DFL     | #2      | 4' 7"  | 6' 10" | 7' 3"  | 9' 1"  | 9' 8"  | 11' 1" | 11' 6" | 14' 0" | 14' 0"  | 14' 0" |        |
|                            |     |          |          | #3        | 4' 7"                                                                           | 6' 10"  | 7' 3"   | 9' 1"   | 9' 8"   | 11' 1"  | 11' 6"  | 14' 0"  | 14' 0"  |         |         | 14' 0" |        |        |        |        |        |        |        |         |        |        |
|                            |     |          |          | Standard  | 4' 7"                                                                           | 6' 10"  | 7' 3"   | 9' 1"   | 9' 8"   | 11' 1"  | 11' 6"  | 14' 0"  | 14' 0"  |         |         | 14' 0" |        |        |        |        |        |        |        |         |        |        |
|                            |     |          |          | #1 / #2   | 4' 5"                                                                           | 6' 0"   | 6' 5"   | 8' 0"   | 8' 7"   | 10' 10" | 11' 6"  | 12' 7"  | 13' 15" |         |         | 14' 0" | 14' 0" |        |        |        |        |        |        |         |        |        |
| SPF                        | HF  | Standard | #3       | 4' 10"    | 8' 7"                                                                           | 8' 11"  | 10' 2"  | 10' 7"  | 12' 2"  | 12' 8"  | 14' 0"  | 14' 0"  | DFL     | #3      | 4' 10"  | 8' 7"  | 8' 11" | 10' 2" | 10' 7" | 12' 2" | 12' 8" | 14' 0" | 14' 0" | 14' 0"  |        |        |
|                            |     |          | Standard | 4' 10"    | 8' 7"                                                                           | 8' 11"  | 10' 2"  | 10' 7"  | 12' 2"  | 12' 8"  | 14' 0"  | 14' 0"  |         |         | 14' 0"  |        |        |        |        |        |        |        |        |         |        |        |
|                            |     |          | #1       | 5' 4"     | 8' 10"                                                                          | 9' 2"   | 10' 5"  | 10' 10" | 12' 5"  | 12' 11" | 14' 0"  | 14' 0"  |         |         | 14' 0"  |        |        |        |        |        |        |        |        |         |        |        |
|                            |     |          | #2       | 5' 2"     | 8' 9"                                                                           | 9' 1"   | 10' 4"  | 10' 9"  | 12' 3"  | 12' 9"  | 14' 0"  | 14' 0"  |         |         | 14' 0"  |        |        |        |        |        |        |        |        |         |        |        |
| SPF                        | HF  | Standard | #3       | 5' 0"     | 7' 10"                                                                          | 8' 4"   | 10' 3"  | 10' 8"  | 12' 2"  | 12' 8"  | 14' 0"  | 14' 0"  | DFL     | #3      | 5' 0"   | 7' 10" | 8' 4"  | 10' 3" | 10' 8" | 12' 2" | 12' 8" | 14' 0" | 14' 0" | 14' 0"  |        |        |
|                            |     |          | Standard | 4' 10"    | 7' 4"                                                                           | 7' 4"   | 9' 3"   | 9' 10"  | 12' 2"  | 12' 8"  | 14' 0"  | 14' 0"  |         |         | 14' 0"  |        |        |        |        |        |        |        |        |         |        |        |
|                            |     |          | #1       | 4' 10"    | 7' 4"                                                                           | 7' 4"   | 9' 3"   | 9' 10"  | 12' 2"  | 12' 8"  | 14' 0"  | 14' 0"  |         |         | 14' 0"  |        |        |        |        |        |        |        |        |         |        |        |
|                            |     |          | #2       | 4' 10"    | 7' 4"                                                                           | 7' 4"   | 9' 3"   | 9' 10"  | 12' 2"  | 12' 8"  | 14' 0"  | 14' 0"  |         |         | 14' 0"  |        |        |        |        |        |        |        |        |         |        |        |



Connect diagonal at midpoint of vertical web

| Proportion of wet ground | Wet ground |
|--------------------------|------------|
| 0.0                      | 0.0        |
| 0.1                      | 0.1        |
| 0.2                      | 0.2        |
| 0.3                      | 0.3        |
| 0.4                      | 0.4        |
| 0.5                      | 0.5        |
| 0.6                      | 0.6        |
| 0.7                      | 0.7        |
| 0.8                      | 0.8        |
| 0.9                      | 0.9        |
| 1.0                      | 1.0        |



# THE NEW CONVENTION

4 Earth City Expressway  
Suite 242

North City, MO 63045

### Bracing Group Species and Grades:

| Group A:        |         |
|-----------------|---------|
| Spruce-Pine-Fir | Hem-Fir |
| 1               | 1       |
| 2               | 2       |
| 3               | 3       |
| 4               | 4       |
| 5               | 5       |
| 6               | 6       |
| 7               | 7       |
| 8               | 8       |
| 9               | 9       |
| 10              | 10      |
| 11              | 11      |
| 12              | 12      |
| 13              | 13      |
| 14              | 14      |
| 15              | 15      |
| 16              | 16      |
| 17              | 17      |
| 18              | 18      |
| 19              | 19      |
| 20              | 20      |
| 21              | 21      |
| 22              | 22      |
| 23              | 23      |
| 24              | 24      |
| 25              | 25      |
| 26              | 26      |
| 27              | 27      |
| 28              | 28      |
| 29              | 29      |
| 30              | 30      |
| 31              | 31      |
| 32              | 32      |
| 33              | 33      |
| 34              | 34      |
| 35              | 35      |
| 36              | 36      |
| 37              | 37      |
| 38              | 38      |
| 39              | 39      |
| 40              | 40      |
| 41              | 41      |
| 42              | 42      |
| 43              | 43      |
| 44              | 44      |
| 45              | 45      |
| 46              | 46      |
| 47              | 47      |
| 48              | 48      |
| 49              | 49      |
| 50              | 50      |
| 51              | 51      |
| 52              | 52      |
| 53              | 53      |
| 54              | 54      |
| 55              | 55      |
| 56              | 56      |
| 57              | 57      |
| 58              | 58      |
| 59              | 59      |
| 60              | 60      |
| 61              | 61      |
| 62              | 62      |
| 63              | 63      |
| 64              | 64      |
| 65              | 65      |
| 66              | 66      |
| 67              | 67      |
| 68              | 68      |
| 69              | 69      |
| 70              | 70      |
| 71              | 71      |
| 72              | 72      |
| 73              | 73      |
| 74              | 74      |
| 75              | 75      |
| 76              | 76      |
| 77              | 77      |
| 78              | 78      |
| 79              | 79      |
| 80              | 80      |
| 81              | 81      |
| 82              | 82      |
| 83              | 83      |
| 84              | 84      |
| 85              | 85      |
| 86              | 86      |
| 87              | 87      |
| 88              | 88      |
| 89              | 89      |
| 90              | 90      |
| 91              | 91      |
| 92              | 92      |
| 93              | 93      |
| 94              | 94      |
| 95              | 95      |
| 96              | 96      |
| 97              | 97      |
| 98              | 98      |
| 99              | 99      |
| 100             | 100     |

|         |          |    |          |
|---------|----------|----|----------|
| #1 / #2 | Standard | #2 | Stud     |
| #3      | Stud     | #3 | Standard |

Douglas Fir-Larch #3 Southern Pine #3

|          |  |
|----------|--|
| Stud     |  |
| Standard |  |

Group B:

Hen-Fir  
#1 & Btr

118

Douglas Fir-Larch 

|    |
|----|
| #1 |
| #2 |

 Southern Pine 

|    |
|----|
| #1 |
| #2 |

4x4 Braces shall be SRB (Stress-Rated Bolted)

Industrial 45 Stress-Rated Boards. Ground values may be used with these grades.

**Gable Truss Detail Notes:**  
Ind Load deflection criterion is L/240.

provide uplift connections for 100 plf over continuous bearing (5 psf TC Dead Load).

able end supports load from 4' 0" outlook with 2' 0" overhang, or 12" plywood overhang.

For (1) 'L' brace: space nails at 2" o.c.

\*For (2) "L" braces; space nalls at 3' o.c. between zones in 18" end zones and 4' o.c. between zones in 18" end zones and 6' o.c. between zones

Bracing must be a minimum of 80% of web member length.

### Gable Vertical Plate Sizes

| Vertical Length         | No Splice |
|-------------------------|-----------|
| Less than 4' 0"         | 2X4       |
| Greater than 4' 0", but |           |

|                     |     |
|---------------------|-----|
| less than 11' 6"    | 3X4 |
| Greater than 11' 6" | 4X4 |

+ Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.

|     |                |
|-----|----------------|
| REF | ASCE7-16-GABI4 |
|-----|----------------|

DATE 01/26/2018

DRWG A14030ENC160

0.60 PSE

|   |  |
|---|--|
| 5 |  |
| 2 |  |
| 8 |  |
| 5 |  |

|   |       |
|---|-------|
| G | 24.0" |
|---|-------|







# Gable Stud Reinforcement Detail

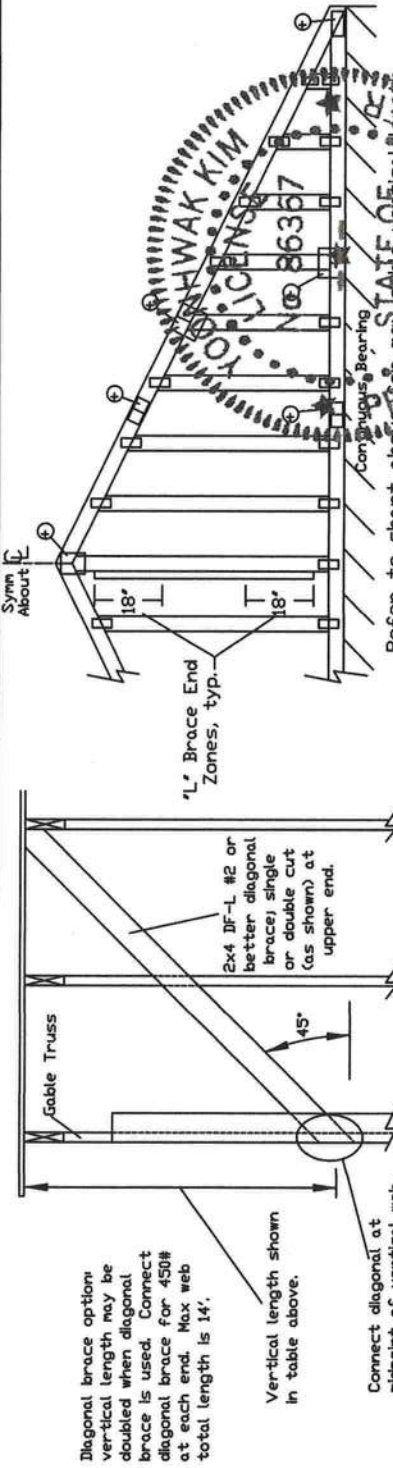
ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Or 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Or 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

| Max Gable Vertical Length |     | Brace                  |         | No Braces |       | (1) 1x4 'L' Brace |         | (2) 2x4 'L' Brace |         | (1) 2x6 'L' Brace |         | (2) 2x6 'L' Brace |         | (1) 2x6 'L' Brace |         | (2) 2x6 'L' Brace |         |
|---------------------------|-----|------------------------|---------|-----------|-------|-------------------|---------|-------------------|---------|-------------------|---------|-------------------|---------|-------------------|---------|-------------------|---------|
|                           |     | Gable Vertical Spacing | Species | Grade     | Grade | Group A           | Group B | Group A           | Group B | Group A           | Group B | Group A           | Group B | Group A           | Group B | Group A           | Group B |
| 12" O.C.                  | SPF | #1 / #2                | HF      | Standard  | #1    | 7' 3"             | 7' 7"   | 8' 7"             | 8' 11"  | 10' 3"            | 10' 8"  | 13' 6"            | 13' 10" | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
|                           |     |                        |         |           |       | 6' 7"             | 7' 1"   | 8' 6"             | 8' 10"  | 10' 1"            | 10' 6"  | 13' 4"            | 13' 8"  | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
|                           |     |                        |         |           |       | 5' 8"             | 6' 0"   | 7' 7"             | 8' 1"   | 10' 1"            | 10' 6"  | 13' 4"            | 13' 8"  | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
|                           |     |                        |         |           |       | 4' 1"             | 4' 6"   | 5' 8"             | 6' 0"   | 7' 7"             | 8' 1"   | 10' 1"            | 10' 6"  | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
| 24" O.C.                  | SP  | #2                     | DFL     | Standard  | #2    | 7' 3"             | 7' 7"   | 8' 7"             | 8' 11"  | 10' 3"            | 10' 8"  | 13' 6"            | 13' 10" | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
|                           |     |                        |         |           |       | 6' 7"             | 7' 1"   | 8' 6"             | 8' 10"  | 10' 1"            | 10' 6"  | 13' 4"            | 13' 8"  | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
|                           |     |                        |         |           |       | 5' 8"             | 6' 0"   | 7' 7"             | 8' 1"   | 10' 1"            | 10' 6"  | 13' 4"            | 13' 8"  | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
|                           |     |                        |         |           |       | 4' 1"             | 4' 6"   | 5' 8"             | 6' 0"   | 7' 7"             | 8' 1"   | 10' 1"            | 10' 6"  | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
| 16" O.C.                  | SPF | #1 / #2                | HF      | Standard  | #1    | 6' 0"             | 6' 4"   | 7' 11"            | 8' 6"   | 10' 2"            | 10' 7"  | 12' 5"            | 13' 4"  | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
|                           |     |                        |         |           |       | 5' 3"             | 5' 7"   | 7' 10"            | 8' 5"   | 9' 6"             | 10' 1"  | 11' 10"           | 12' 4"  | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
|                           |     |                        |         |           |       | 4' 4"             | 4' 8"   | 6' 1"             | 6' 5"   | 8' 1"             | 8' 6"   | 10' 1"            | 10' 6"  | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
|                           |     |                        |         |           |       | 3' 1"             | 3' 5"   | 4' 8"             | 5' 2"   | 6' 1"             | 6' 5"   | 8' 1"             | 8' 6"   | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
| 12" O.C.                  | SPF | #1 / #2                | HF      | Standard  | #1    | 5' 1"             | 5' 5"   | 6' 10"            | 6' 14"  | 7' 7"             | 8' 2"   | 9' 5"             | 10' 4"  | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
|                           |     |                        |         |           |       | 4' 4"             | 4' 8"   | 5' 10"            | 5' 14"  | 6' 7"             | 7' 2"   | 8' 5"             | 9' 4"   | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
|                           |     |                        |         |           |       | 3' 1"             | 3' 5"   | 4' 8"             | 5' 2"   | 5' 10"            | 6' 1"   | 6' 5"             | 7' 4"   | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |
|                           |     |                        |         |           |       | 2' 4"             | 2' 8"   | 3' 10"            | 3' 14"  | 4' 5"             | 4' 9"   | 5' 10"            | 6' 4"   | 14' 0"            | 14' 0"  | 14' 0"            | 14' 0"  |



**ALPINE**  
AN ITW COMPANY

514 Earth City Expressway  
Suite 242  
Earth City, MO 63045

**WARNING: READ AND FOLLOW ALL NOTES ON 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. Trusses shall be properly braced and supported during installation. Trusses shall have a properly attached and secured top chord bracing system. Trusses shall be properly braced and supported during installation. Trusses shall have a properly attached and secured top chord bracing system. Trusses shall be properly braced and supported during installation. Trusses shall have a properly attached and secured top chord bracing system.

Refer to drawings 160A-2 for standard plate positions.

Alpha, 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, or bracing of trusses.

Trusses are a complex system. The installer shall be responsible for the design and engineering of the structure. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites: [www.alpineinc.com](http://www.alpineinc.com), [www.tpi.com](http://www.tpi.com), [www.sbcasafety.org](http://www.sbcasafety.org), [www.bcsi.org](http://www.bcsi.org)

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

| Bracing Group Species and Grades |                                                                                                                                                                                                        |                   |          |                  |    |         |    |          |          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|------------------|----|---------|----|----------|----------|
| Group A:                         | <table> <tr> <td>Spruce-Pine-Fir</td><td>Group A:</td></tr> <tr> <td>#1 / #2 Standard</td><td>#2</td></tr> <tr> <td>#3 Stud</td><td>#3</td></tr> <tr> <td>Standard</td><td>Standard</td></tr> </table> | Spruce-Pine-Fir   | Group A: | #1 / #2 Standard | #2 | #3 Stud | #3 | Standard | Standard |
| Spruce-Pine-Fir                  | Group A:                                                                                                                                                                                               |                   |          |                  |    |         |    |          |          |
| #1 / #2 Standard                 | #2                                                                                                                                                                                                     |                   |          |                  |    |         |    |          |          |
| #3 Stud                          | #3                                                                                                                                                                                                     |                   |          |                  |    |         |    |          |          |
| Standard                         | Standard                                                                                                                                                                                               |                   |          |                  |    |         |    |          |          |
| Group B:                         | <table> <tr> <td>Douglas Fir-Larch</td><td>Group B:</td></tr> <tr> <td>#1</td><td>#1</td></tr> <tr> <td>#2</td><td>#2</td></tr> <tr> <td>Standard</td><td>Standard</td></tr> </table>                  | Douglas Fir-Larch | Group B: | #1               | #1 | #2      | #2 | Standard | Standard |
| Douglas Fir-Larch                | Group B:                                                                                                                                                                                               |                   |          |                  |    |         |    |          |          |
| #1                               | #1                                                                                                                                                                                                     |                   |          |                  |    |         |    |          |          |
| #2                               | #2                                                                                                                                                                                                     |                   |          |                  |    |         |    |          |          |
| Standard                         | Standard                                                                                                                                                                                               |                   |          |                  |    |         |    |          |          |

1x4 Braces shall be SRB (Stress-Rated Board).

For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 55 pif over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outboarders with 2' 0" overhang, or 12' plywood overhang.

| Gable Vertical Plate Sizes |            |
|----------------------------|------------|
| Vertical Length            | No Splice  |
| Less than 4' 0"            | 1X4 or 2X3 |
| Greater than 4' 0"         | 3X4        |

+ Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.

|      |                   |
|------|-------------------|
| REF  | ASCE7-16-GABI4015 |
| DATE | 01/26/2018        |
| DRWG | A14015ENC160118   |

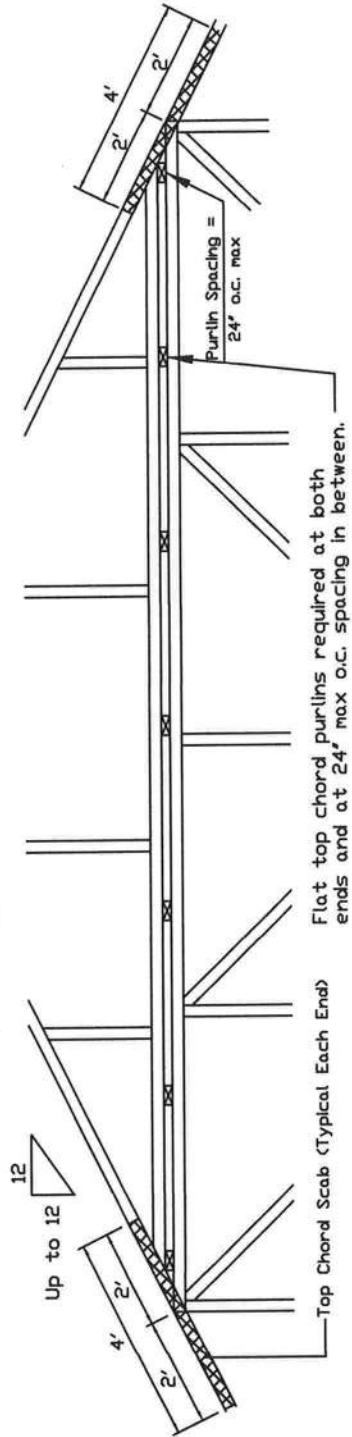
Piggyback Detail - ASCE 7-16: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0, Dir 140 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

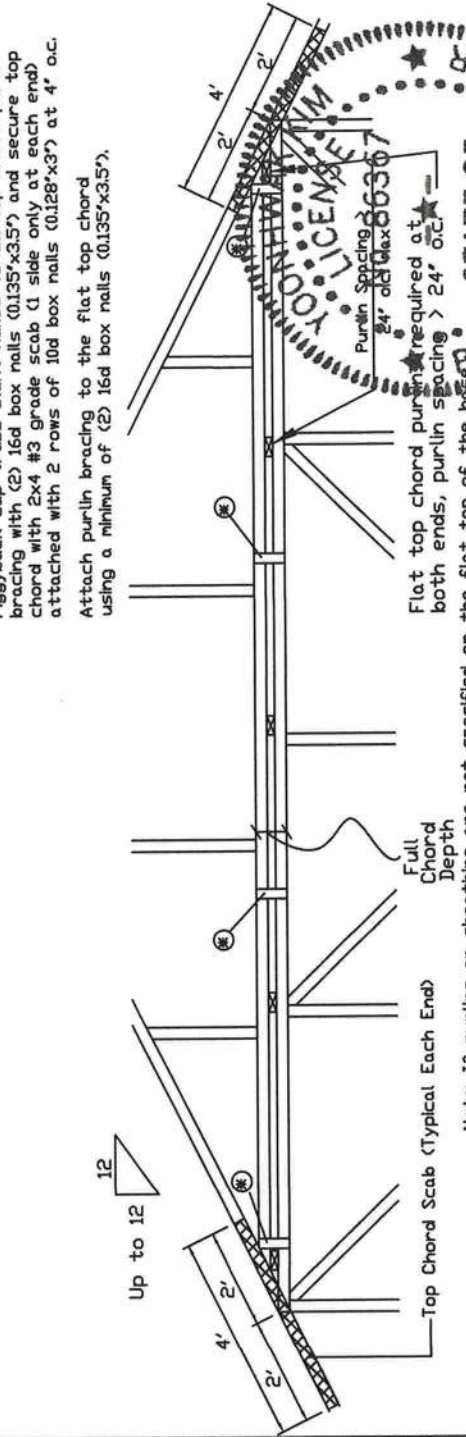
Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends. Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Detail A : Purlin Spacing = 24" o.c. or less



Detail B : Purlin Spacing > 24" o.c.



|                                                                    |                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| In addition, provide connection with one of the following methods: |                                                                                                                                                                                                                                                                                    |
| Trulox                                                             | Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces. |
| APA Rated Gusset                                                   | 8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 0.113"x2" nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.                                                    |
| 2x4 Vertical Scabs                                                 | 2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab. (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.                                                         |
| 28PB Wave Piggyback Plate                                          | One 28PB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.                                    |

13723 Riverport Drive  
Suite 200  
Maryland Heights, MO 63043

For more information see this job's general notes page and these web sites: [www.alphainc.com](http://www.alphainc.com), [www.tphntrg.org](http://www.tphntrg.org), [www.sbcindustry.org](http://www.sbcindustry.org), [www.iccsbc.org](http://www.iccsbc.org)

02/18/2018  
Yoonhwak Kim, FL PE #86367

IMPORTANT: READ AND FULFILL ALL NOTES ON THIS DRAWING. REFER TO AND FOLLOW THE LATEST EDITION OF 2015 Building Components Group Inc. (BCGI) and SBCI for safety practices and details. Truss installers shall provide temporary bracing per SBCI. Truss installers shall have properly attached structural sheathing and bottom chord bracing installed per SBCI sections 33, 37 or 310, 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.

Alpha, 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, or bracing of trusses. This drawing is the property of Alpha and shall not be reproduced, copied, or used in any way without the written consent of Alpha. The responsibility for the design shown. The suitability and use of this drawing engineering responsibility is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For any information see this job's general notes page and these web sites: [www.alphainc.com](http://www.alphainc.com), [www.tphntrg.org](http://www.tphntrg.org), [www.sbcindustry.org](http://www.sbcindustry.org), [www.iccsbc.org](http://www.iccsbc.org)

MANUFACTURER: READ AND FULFILL ALL NOTES ON THIS DRAWING. REFER TO AND FOLLOW THE LATEST EDITION OF 2015 Building Components Group Inc. (BCGI) and SBCI for safety practices and details. Truss installers shall provide temporary bracing per SBCI. Truss installers shall have properly attached structural sheathing and bottom chord bracing installed per SBCI sections 33, 37 or 310, 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.

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REF PIGGYBACK

DATE 01/02/2018

DRWG PB160160118

SPACING 24.0"

# NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

LOAD PERPENDICULAR TO GRAIN

A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)

B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)

C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

A - EDGE DISTANCE (6 NAIL DIAMETERS)

C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)

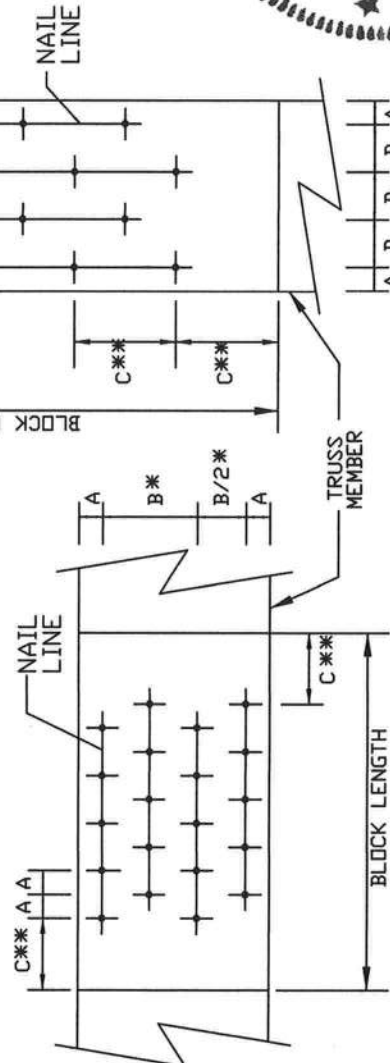
D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:

\* SPACING MAY BE REDUCED BY 50%

\*\* SPACING MAY BE REDUCED BY 33%

DIRECTION OF LOAD AND NAIL ROWS



LOAD APPLIED PERPENDICULAR TO GRAIN

LOAD APPLIED PARALLEL TO GRAIN

**IMPORTANT! READ AND FOLLOW ALL NOTES ON THIS DRAWING INCLUDING THE INSTALLER'S.**  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCS Building Component Safety Information, by TPI and SPCA for safety information. Trusses shall be installed in accordance with the BCS Building Component Safety Information. Unless noted otherwise, top chord shall have properly attached structural blocking. Blocking shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions.

Alpha, 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, or use of the truss. A disclaimer of liability is hereby made. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

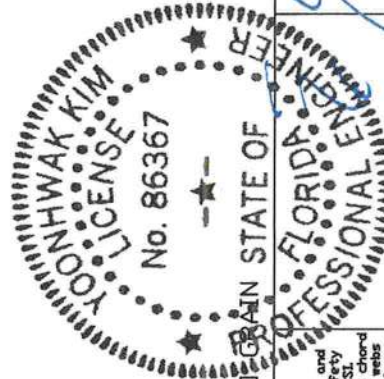
For more information see this job's general notes page and these web sites: 08/2021  
ALPINE: www.alpine.com TPI: www.tpi.org SPCA: www.spcanet.org ICC: www.iccsafe.org



514 Earth City Expressway  
Suite 242  
Earth City, MO 63045

## MINIMUM NAIL SPACING DISTANCES

| DISTANCES                      |      |        |               |
|--------------------------------|------|--------|---------------|
| NAIL TYPE                      | A    | B*     | C** D         |
| 8d BOX (0.113"X 2.5",MIN)      | 3/4" | 1 3/8" | 1 3/4" 7/8"   |
| 10d BOX (0.128"X 3",MIN)       | 7/8" | 1 5/8" | 2" 1"         |
| 12d BOX (0.128"X 3.25",MIN)    | 7/8" | 1 5/8" | 2" 1"         |
| 16d BOX (0.135"X 3.5",MIN)     | 7/8" | 1 5/8" | 2 1/8" 1 1/8" |
| 20d BOX (0.148"X 4",MIN)       | 1"   | 1 7/8" | 2 1/4" 1 1/8" |
| 8d COMMON (0.131"X 2.5",MIN)   | 7/8" | 1 5/8" | 2" 1"         |
| 10d COMMON (0.148"X 3",MIN)    | 1"   | 1 7/8" | 2 1/4" 1 1/8" |
| 12d COMMON (0.148"X 3.25",MIN) | 1"   | 1 7/8" | 2 1/4" 1 1/8" |
| 16d COMMON (0.162"X 3.5",MIN)  | 1"   | 2"     | 2 1/2" 1 1/4" |
| GUN (0.120"X 2.5",MIN)         | 3/4" | 1 1/2" | 1 7/8" 1"     |
| GUN (0.131"X 2.5",MIN)         | 7/8" | 1 5/8" | 2" 1"         |
| GUN (0.120"X 3",MIN)           | 3/4" | 1 1/2" | 1 7/8" 1"     |
| GUN (0.131"X 3",MIN)           | 7/8" | 1 5/8" | 2" 1"         |

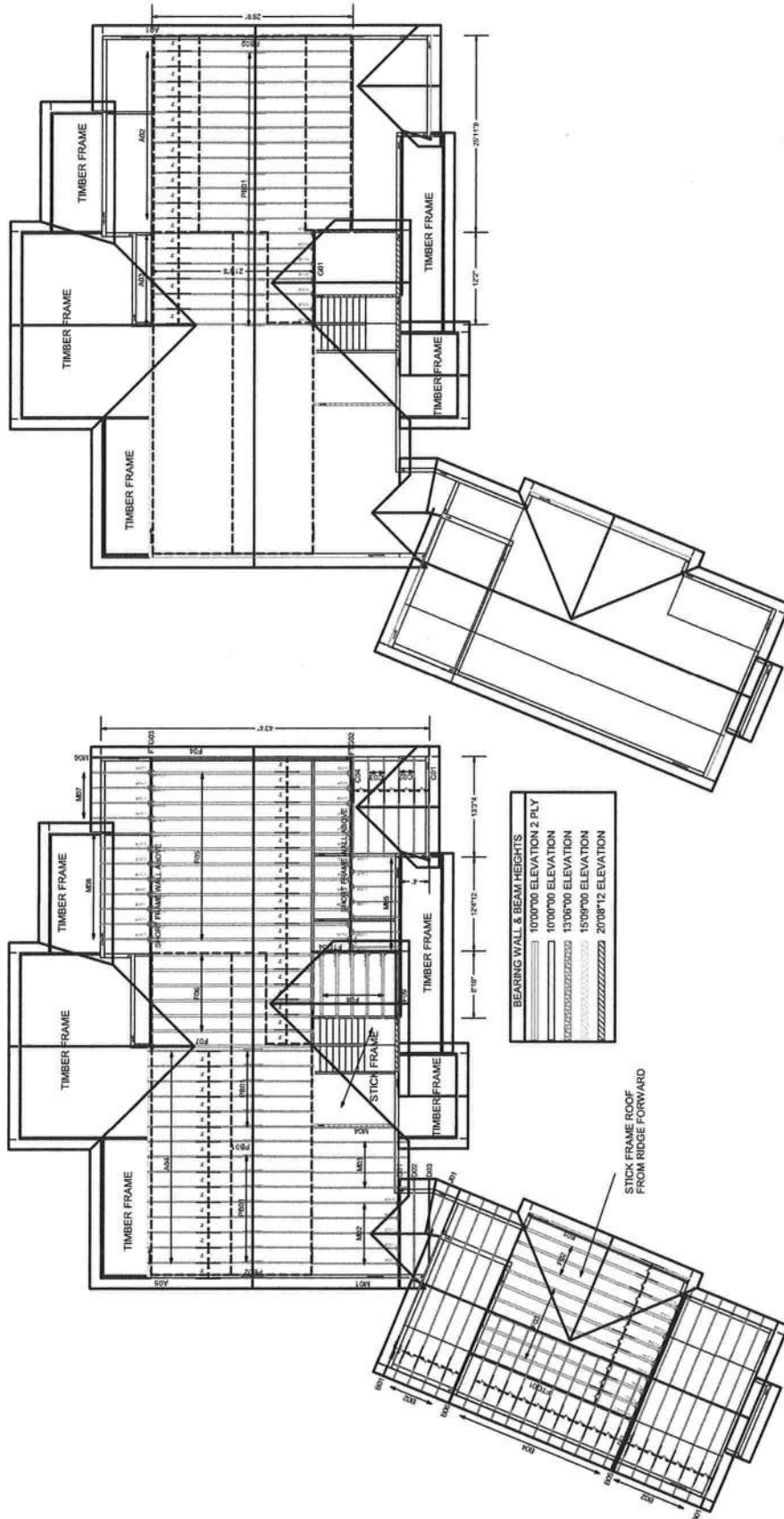


REF NAIL SPACE

DATE 10/01/14

DRWG CNNAIL SP1014

Yoonhwak Kim, FL PE #86367



JOB #: 20-4946

Job Name: Cody Barrs New Home  
Customer: OWNER BUILDER  
Designer: Bill Eklund  
SALESMAN: Fill in later  
<Not Found>

JOB NO:  
20-4946

PAGE NO:  
1 OF 1