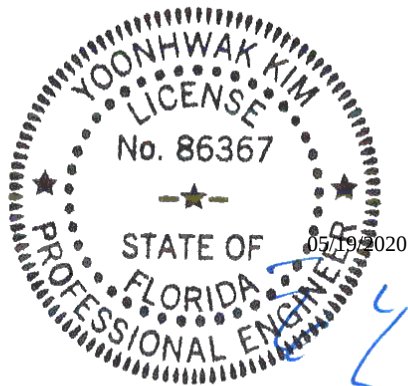




Alpine, an ITW Company  
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www.alpineitw.com

This document has been electronically signed  
and sealed using a Digital Signature. Printed  
copies without an original signature must be  
verified using the original electronic version.

| Site Information:                     | Page 1:             |
|---------------------------------------|---------------------|
| Customer: W. B. Howland Company, Inc. | Job Number: 20-4261 |
| Job Description: Goodrum              |                     |
| Address: FL                           |                     |

| Job Engineering Criteria: |                       |                                          |  |
|---------------------------|-----------------------|------------------------------------------|--|
| Design Code: FBC 2017 RES |                       | IntelliVIEW Version: 19.02.02B           |  |
|                           |                       | JRef #: 1WVe2150007                      |  |
| Wind Standard: ASCE 7-10  | Wind Speed (mph): 130 | Roof Load (psf): 20.00-10.00- 0.00-10.00 |  |
| Building Type: Closed     |                       | Floor Load (psf): None                   |  |

This package contains general notes pages, 47 truss drawing(s) and 5 detail(s).

| Item | Drawing Number    | Truss |
|------|-------------------|-------|
| 1    | 140.20.1446.16053 | A01   |
| 3    | 140.20.1446.21717 | A03   |
| 5    | 140.20.1446.25903 | A05   |
| 7    | 140.20.1446.29683 | A07   |
| 9    | 140.20.1446.36053 | A09   |
| 11   | 140.20.1446.58160 | B02   |
| 13   | 140.20.1447.15477 | B04   |
| 15   | 140.20.1447.21503 | C01   |
| 17   | 140.20.1447.28090 | C03   |
| 19   | 140.20.1447.49927 | D01   |
| 21   | 140.20.1447.53687 | D03   |
| 23   | 140.20.1448.03600 | D05   |
| 25   | 140.20.1448.08057 | G02   |
| 27   | 140.20.1448.19940 | H01   |
| 29   | 140.20.1449.06517 | HJ2   |
| 31   | 140.20.1449.10903 | HJ4   |
| 33   | 140.20.1449.16230 | J1    |
| 35   | 140.20.1449.20217 | J1B   |
| 37   | 140.20.1449.25000 | J3    |
| 39   | 140.20.1449.28160 | J4    |
| 41   | 140.20.1449.31553 | J5A   |
| 43   | 140.20.1449.35147 | J7    |
| 45   | 140.20.1449.43490 | P02   |
| 47   | 140.20.1449.50940 | P04   |
| 49   | PB160101014       |       |
| 51   | GBLLETIN0118      |       |

| Item | Drawing Number    | Truss |
|------|-------------------|-------|
| 2    | 140.20.1446.19263 | A02   |
| 4    | 140.20.1446.24047 | A04   |
| 6    | 140.20.1446.27873 | A06   |
| 8    | 140.20.1446.31500 | A08   |
| 10   | 140.20.1446.45380 | B01   |
| 12   | 140.20.1447.11020 | B03   |
| 14   | 140.20.1447.18630 | B05   |
| 16   | 140.20.1447.24640 | C02   |
| 18   | 140.20.1447.47360 | C04   |
| 20   | 140.20.1447.51780 | D02   |
| 22   | 140.20.1447.55783 | D04   |
| 24   | 140.20.1448.05767 | G01   |
| 26   | 140.20.1448.10483 | G03   |
| 28   | 140.20.1448.29407 | HJ1   |
| 30   | 140.20.1449.09527 | HJ3   |
| 32   | 140.20.1449.13630 | HJ5   |
| 34   | 140.20.1449.18410 | J1A   |
| 36   | 140.20.1449.23310 | J2    |
| 38   | 140.20.1449.26067 | J3A   |
| 40   | 140.20.1449.29490 | J5    |
| 42   | 140.20.1449.33377 | J6    |
| 44   | 140.20.1449.39183 | P01   |
| 46   | 140.20.1449.46097 | P03   |
| 48   | BRCLBSUB0119      |       |
| 50   | A14030ENC101014   |       |
| 52   | A14015ENC101014   |       |

## **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.

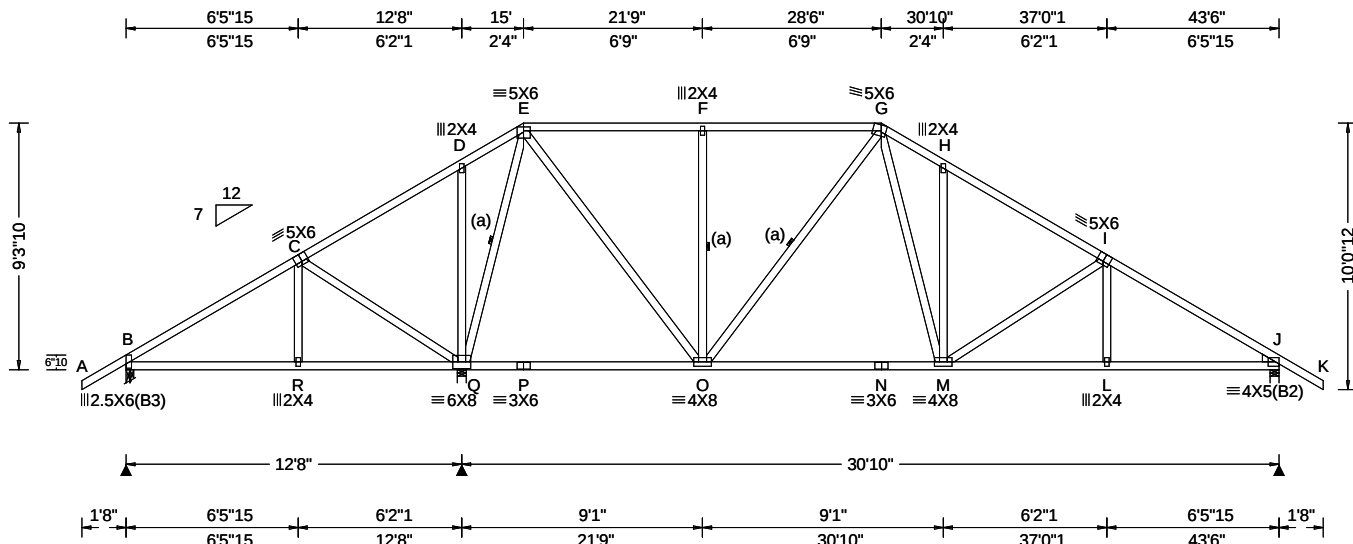
Refer to ASCE-7 for Wind and Seismic abbreviations.

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.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; [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: 344707<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: A01 | Cust: R 215 JRef: 1WVe2150007 T48<br>DrwNo: 140.20.1446.16053<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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: 4.35 ft<br>Loc. from endwall: not in 13.00 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.074 H 999 360<br>VERT(CL): 0.154 H 999 240<br>HORZ(LL): 0.026 L - -<br>HORZ(TL): 0.054 L - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.676<br>Max BC CSI: 0.906<br>Max Web CSI: 0.741<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>B 459 /- /- /258 /24 /292<br>Q 2203 /- /- /1261 /35 /-<br>J 1299 /- /- /854 /62 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>Q Brg Width = 4.0 Min Req = 2.2<br>J Brg Width = 4.0 Min Req = 1.5<br>Bearings B, Q, & J 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;  
Rt Wedge: 2x4 SP #3;

#### Bracing

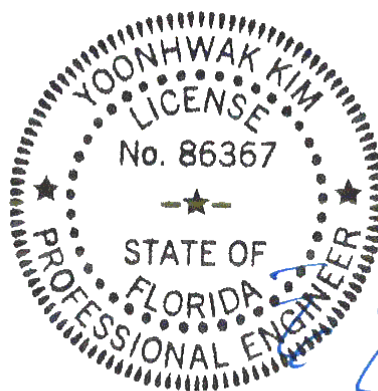
(a) Continuous lateral restraint equally spaced on member.

#### Wind

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

#### Additional Notes

Refer to General Notes for additional information  
Refer to DWG PB160101014 for piggyback details.  
The overall height of this truss excluding overhang is 9'-3"-10'.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
05/19/2020

**\*\*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.  
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 this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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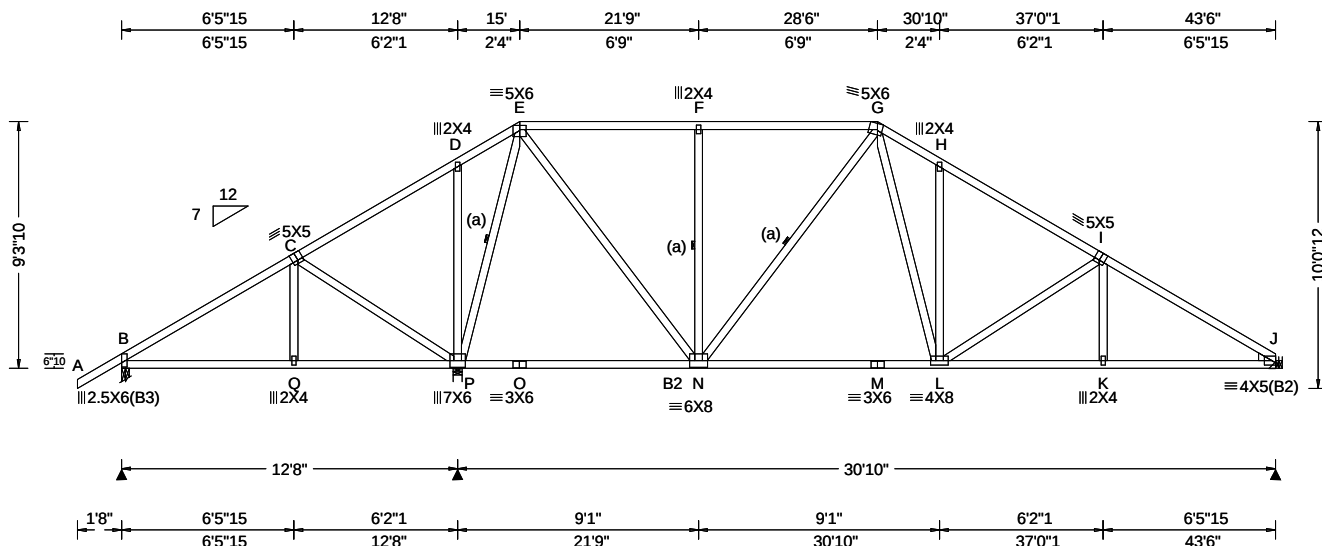
#### Maximum Bot Chord Forces Per Ply (lbs)

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| O - N  | 926 -67    | M - L  | 1472 -257   |
| N - M  | 926 -67    | L - J  | 1474 -257   |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| C - Q | 180 -541   | O - G | 86 -380     |
| Q - E | 305 -1488  | G - M | 699 -226    |
| E - O | 1242 -303  | M - I | 158 -445    |
| F - O | 206 -501   |       |             |

|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344710<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 2 | Job Number: 20-4261<br>Goodrum<br>Truss Label: A02 | Cust: R 215 JRef: 1WVe2150007 T15<br>DrwNo: 140.20.1446.19263<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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: 4.35 ft<br>Loc. from endwall: not in 13.00 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.089 H 999 360<br>VERT(CL): 0.169 H 999 240<br>HORZ(LL): 0.028 K - -<br>HORZ(TL): 0.053 K - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.681<br>Max BC CSI: 0.891<br>Max Web CSI: 0.765<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>B 440 -/- /- /266 /20 /273<br>P 2498 -/- /- /1250 /41 -/-<br>J 1295 -/- /- /757 /47 -/-<br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>P Brg Width = 4.0 Min Req = 2.6<br>J Brg Width = - Min Req = -<br>Bearings B & P 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; B2 2x4 SP M-31;  
Webs: 2x4 SP #3;  
Rt Wedge: 2x4 SP #3;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Hangers / Ties

(J) Hanger Support Required, by others

#### Loading

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

#### Wind

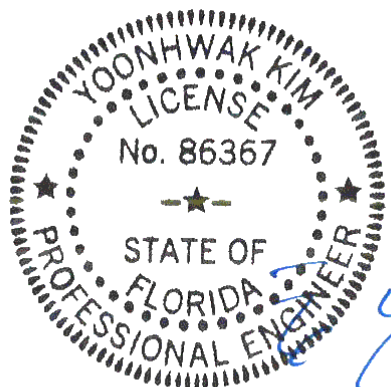
Wind loads based on MWFRS with additional C&C member design.

#### Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 9'-3"-10'.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
05/19/2020

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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| N - M  | 1103 -99   | L - K  | 1669 -298   |
| M - L  | 1103 -99   | K - J  | 1670 -298   |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| C - P | 176 -519   | N - G | 89 -375     |
| P - E | 309 -1676  | G - L | 815 -225    |
| E - N | 1468 -302  | L - I | 183 -434    |
| F - N | 204 -500   |       |             |

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

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

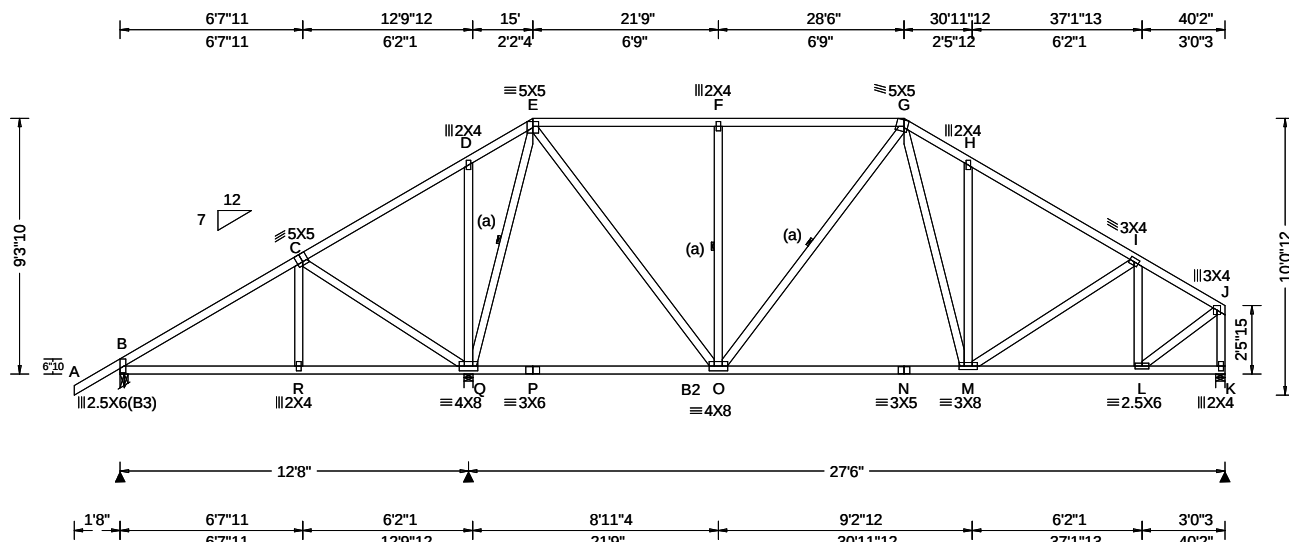
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For more information see this job's general notes page and these web sites: ALPINE: [www.alpineitw.com](http://www.alpineitw.com); TPI: [www.tpinet.org](http://www.tpinet.org); SBCEA: [www.sbceaindstry.com](http://www.sbceaindstry.com); ICC: [www.iccsafe.org](http://www.iccsafe.org)

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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344719<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 3 | Job Number: 20-4261<br>Goodrum<br>Truss Label: A03 | Cust: R 215 JRef: 1WVe2150007 T31<br>DrwNo: 140.20.1446.21717<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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: 4.02 ft<br>Loc. from endwall: not in 13.00 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.042 H 999 360<br>VERT(CL): 0.079 H 999 240<br>HORZ(LL): 0.013 K - -<br>HORZ(TL): 0.024 K - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.632<br>Max BC CSI: 0.735<br>Max Web CSI: 0.590<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 532 /- /- /338 /12 /240<br>Q 2121 /- /- /1151 /- /-<br>K 1230 /- /- /707 /- /-<br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>Q Brg Width = 4.0 Min Req = 2.1<br>K Brg Width = 4.0 Min Req = 1.5<br>Bearings B, Q, & K 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; B2 2x4 SP M-31;  
Webs: 2x4 SP #3;

#### 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.

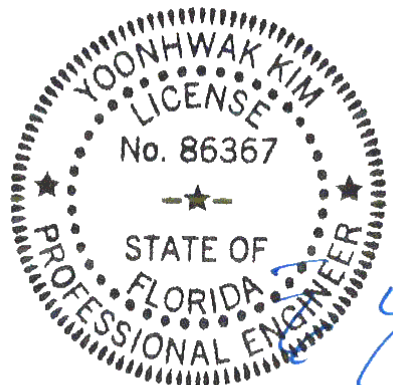
Right end vertical not exposed to wind pressure.

#### Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 9'-3-10.

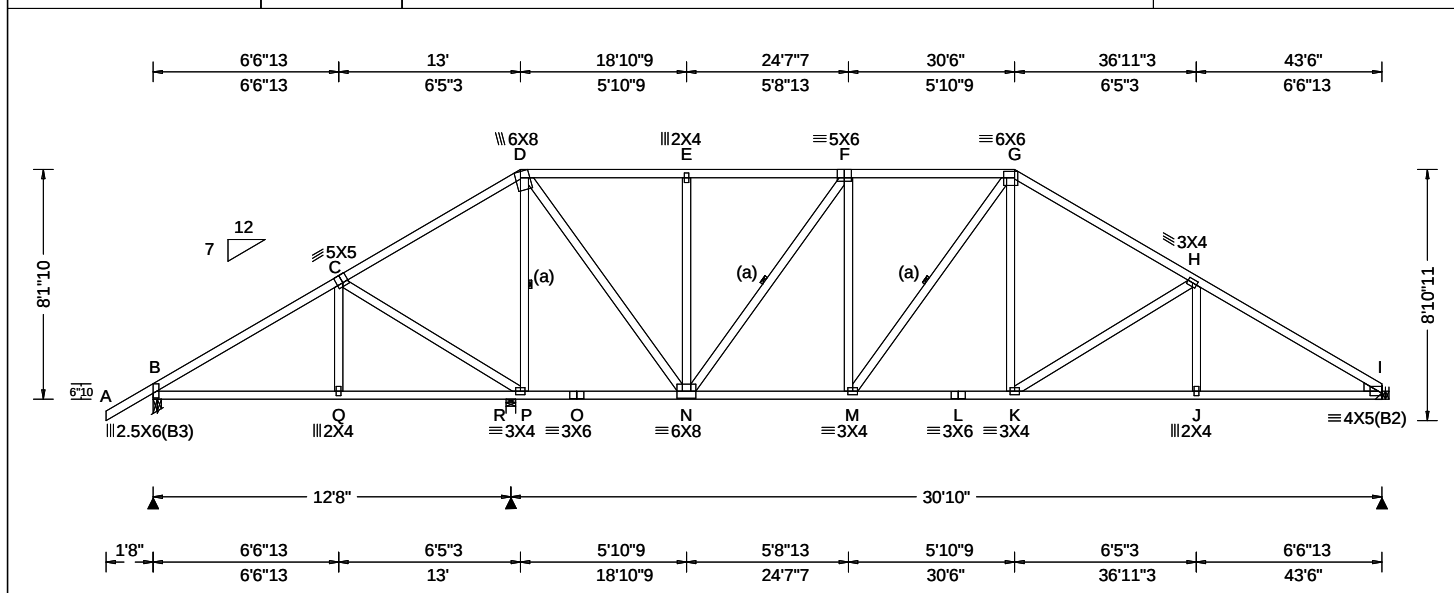


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05/19/2020

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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCEA: www.sbceaindust.com; ICC: www.iccsafe.org

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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344725<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: A04 | Cust: R 215 JRef: 1WVe2150007 T13<br>DrwNo: 140.20.1446.24047<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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/2 to h<br>C&C Dist a: 4.35 ft<br>Loc. from endwall: not in 13.00 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.089 K 999 360<br>VERT(CL): 0.180 K 999 240<br>HORZ(LL): 0.036 J - -<br>HORZ(TL): 0.075 J - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.560<br>Max BC CSI: 0.990<br>Max Web CSI: 0.597<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>B 626 /- /- /401 /124 /241<br>R 1849 /- /- /1044 /306 /-<br>I 1269 /- /- /787 /222 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>R Brg Width = 4.0 Min Req = 1.8<br>I Brg Width = - Min Req = -<br>Bearings B & R 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;  
Rt Wedge: 2x4 SP #3;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Hangers / Ties

(J) Hanger Support Required, by others

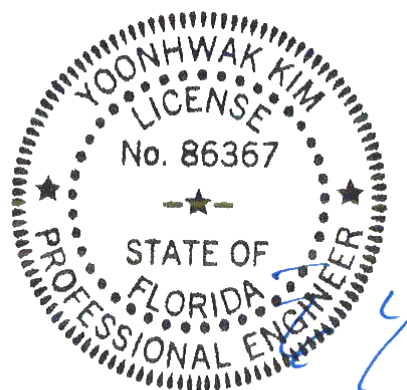
#### Wind

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

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 8'-1-10.



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05/19/2020

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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| B - Q  | 415 -157   | L - K  | 1231 -196   |
| Q - P  | 827 -315   | K - J  | 1635 -346   |
| N - M  | 1173 -196  | J - I  | 1637 -346   |
| M - L  | 1231 -196  |        |             |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| C - P | 170 -504   | N - F | 159 -648    |
| D - P | 367 -1462  | G - K | 450 -80     |
| D - N | 1354 -335  | K - H | 180 -481    |
| E - N | 150 -376   |       |             |

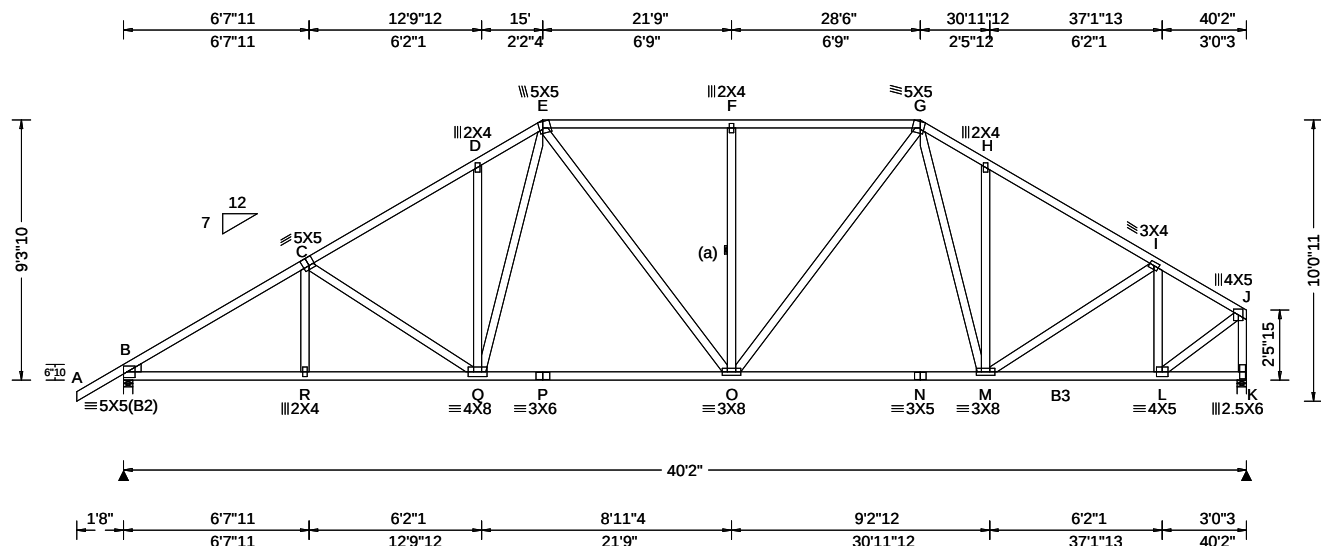
**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344730<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: A05 | Cust: R 215 JRef: 1WVe2150007 T30<br>DrwNo: 140.20.1446.25903<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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: 4.02 ft<br>Loc. from endwall: not in 13.00 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.125 D 999 360<br>VERT(CL): 0.258 D 999 240<br>HORZ(LL): 0.045 K - -<br>HORZ(TL): 0.093 K - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.828<br>Max BC CSI: 0.765<br>Max Web CSI: 0.571<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>B 1788 - / - / /1086 /94 /240<br>K 1665 - / - / /937 /33 - /-<br>Wind reactions based on MWFRS<br>B Brg Width = 4.0 Min Req = 1.5<br>K Brg Width = 4.0 Min Req = 2.0<br>Bearings B & K 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 616 -2712 F - G 598 -1886<br>C - D 608 -2314 G - H 606 -1885<br>D - E 696 -2256 H - I 532 -1945<br>E - F 598 -1886 I - J 363 -1437 |

#### Lumber

Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;  
Webs: 2x4 SP #3;  
Lt Wedge: 2x4 SP #3;

#### Bracing

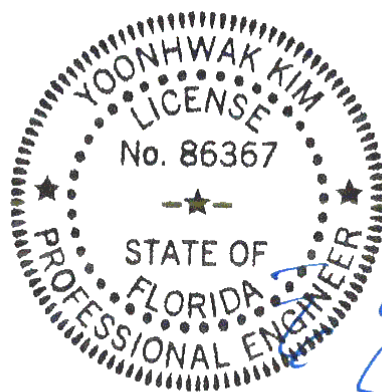
(a) Continuous lateral restraint equally spaced on member.

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
Right end vertical not exposed to wind pressure.

#### Additional Notes

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 9-3-10.

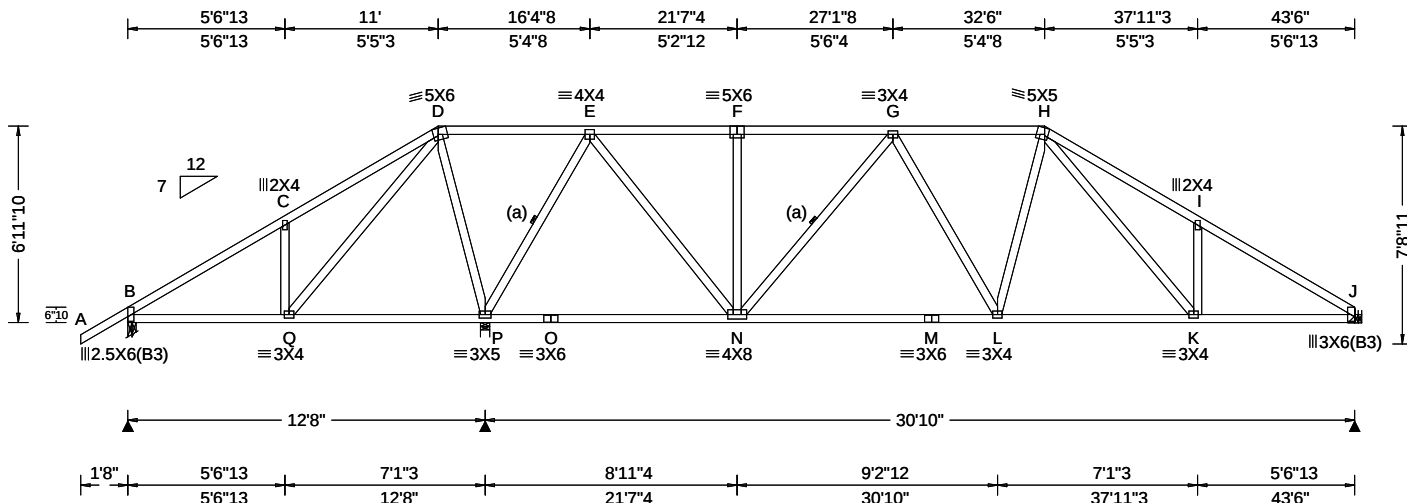


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05/19/2020

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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344733<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: A06 | Cust: R 215 JRef: 1WVe2150007 T12<br>DrwNo: 140.20.1446.27873<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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/2 to h<br>C&C Dist a: 4.35 ft<br>Loc. from endwall: not in 6.50 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.064 L 999 360<br>VERT(CL): 0.137 L 999 240<br>HORZ(LL): 0.019 K - -<br>HORZ(TL): 0.040 K - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.655<br>Max BC CSI: 0.897<br>Max Web CSI: 0.878<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>B 363 /-82 /- /189 /45 /209<br>P 2440 /- /- /1323 /426 /-<br>J 1118 /- /- /692 /191 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>P Brg Width = 4.0 Min Req = 2.5<br>J Brg Width = - Min Req = -<br>Bearings B & P 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;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Hangers / Ties

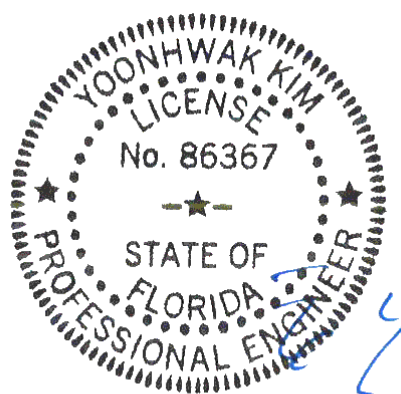
(J) Hanger Support Required, by others

#### Wind

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

#### Additional Notes

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 6-11-10.



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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| Q - P  | 261 -636   | L - K  | 1103 -175   |
| N - M  | 1075 -180  | K - J  | 1434 -303   |
| M - L  | 1075 -180  |        |             |

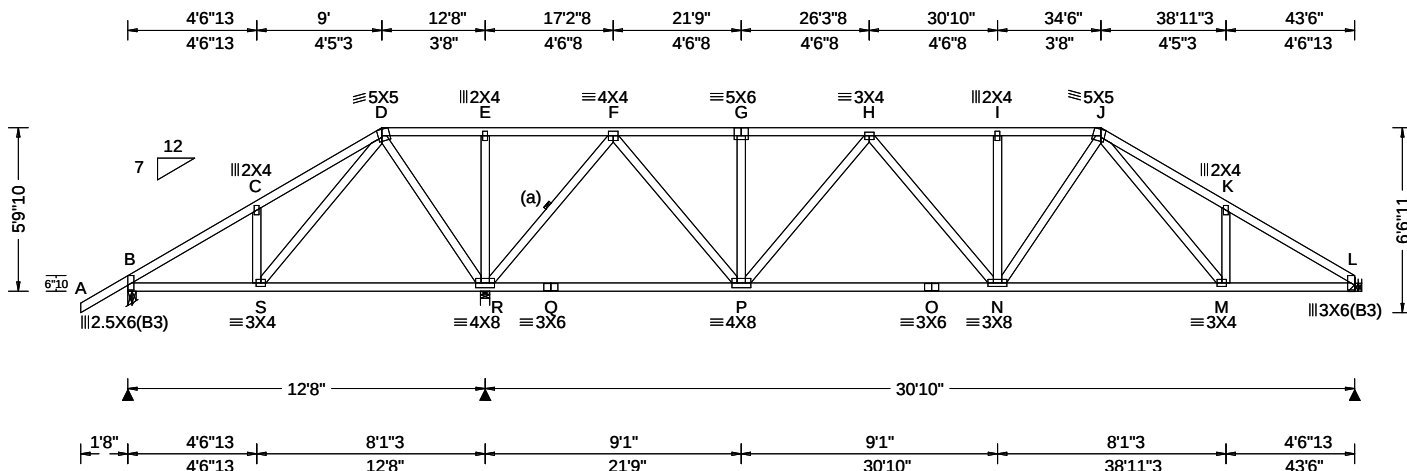
#### Maximum Web Forces Per Ply (lbs)

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| C - Q | 202 -397   | E - N | 1230 -280   |
| Q - D | 679 -235   | N - G | 174 -599    |
| D - P | 260 -952   | H - K | 505 -189    |
| P - E | 431 -1547  |       |             |

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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344736<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: A07 | Cust: R 215 JRef: 1WVe2150007 T11<br>DrwNo: 140.20.1446.29683<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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/2 to h<br>C&C Dist a: 4.35 ft<br>Loc. from endwall: not in 6.50 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.072 I 999 360<br>VERT(CL): 0.153 I 999 240<br>HORZ(LL): 0.021 M - -<br>HORZ(TL): 0.043 M - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.534<br>Max BC CSI: 0.872<br>Max Web CSI: 0.798<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>B 335 /-138 /- /166 /53 /177<br>R 2515 /- /- /1331 /449 /-<br>L 1096 /- /- /659 /187 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>R Brg Width = 4.0 Min Req = 2.6<br>L Brg Width = - Min Req = -<br>Bearings B & R 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;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Hangers / Ties

(J) Hanger Support Required, by others

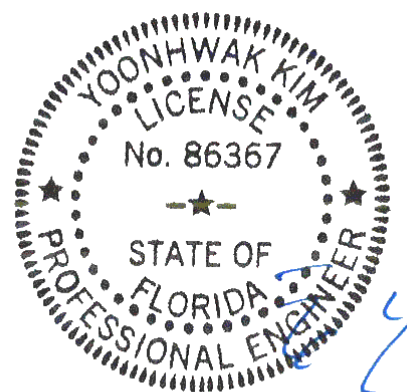
#### Wind

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

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 5-9-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
05/19/2020

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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| B - S  | 142 -402   | O - N  | 1182 -218   |
| S - R  | 236 -632   | N - M  | 1170 -217   |
| P - O  | 1182 -218  | M - L  | 1427 -316   |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| S - D | 578 -191   | F - P | 1249 -289   |
| D - R | 253 -946   | P - H | 193 -653    |
| R - F | 430 -1620  | J - M | 393 -144    |

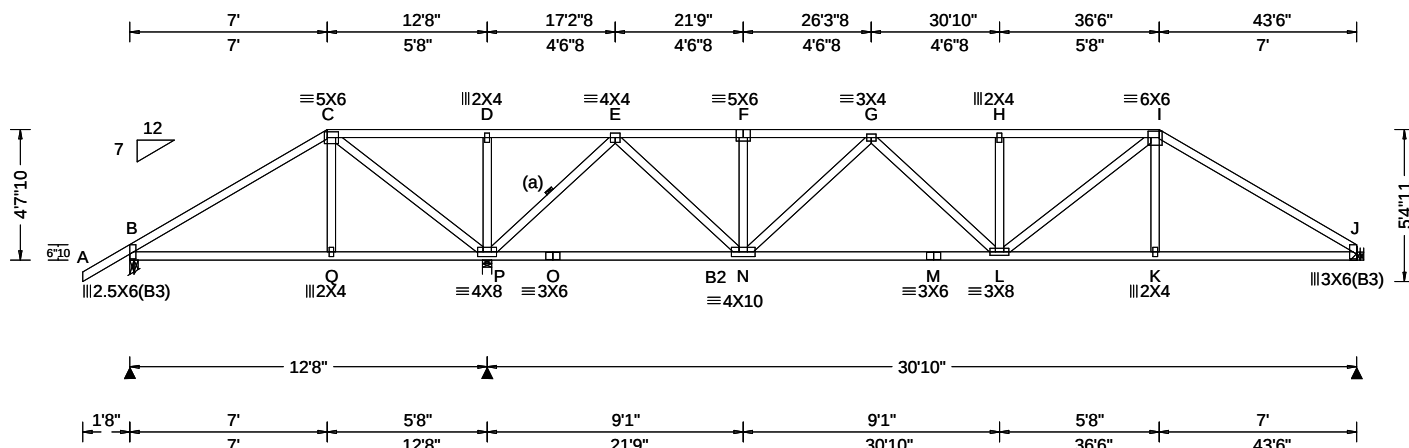
**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
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|                           |                          |                                                    |                                                                                 |
|---------------------------|--------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 344739<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: A08 | Cust: R 215 JRef: 1WVe2150007 T1<br>DrwNo: 140.20.1446.31500<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|



| 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 7-10<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/2 to h<br>C&C Dist a: 4.35 ft<br>Loc. from endwall: not in 6.50 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.091 H 999 360<br>VERT(CL): 0.186 H 999 240<br>HORZ(LL): 0.020 K - -<br>HORZ(TL): 0.041 K - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.803<br>Max BC CSI: 0.695<br>Max Web CSI: 0.928<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>B 472 /-47 /- /259 /71 /145<br>P 2303 /- /- /1170 /394 /-<br>J 1137 /- /- /659 /206 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>P Brg Width = 4.0 Min Req = 2.3<br>J Brg Width = - Min Req = -<br>Bearings B & P 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; B2 2x4 SP M-31;  
Webs: 2x4 SP #3;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Hangers / Ties

(J) Hanger Support Required, by others

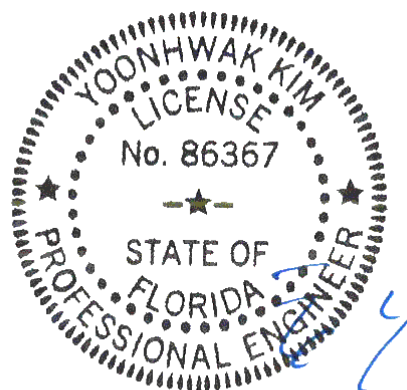
#### Wind

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

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4-7-10.



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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| B - C  | 482 -242   | F - G  | 416 -1207   |
| C - D  | 1030 -147  | G - H  | 571 -1811   |
| D - E  | 1029 -147  | H - I  | 571 -1811   |
| E - F  | 416 -1207  | I - J  | 485 -1737   |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| C - P | 219 -1002  | E - N | 1325 -294   |
| D - P | 162 -387   | N - G | 183 -630    |
| P - E | 435 -1739  | L - I | 514 -136    |

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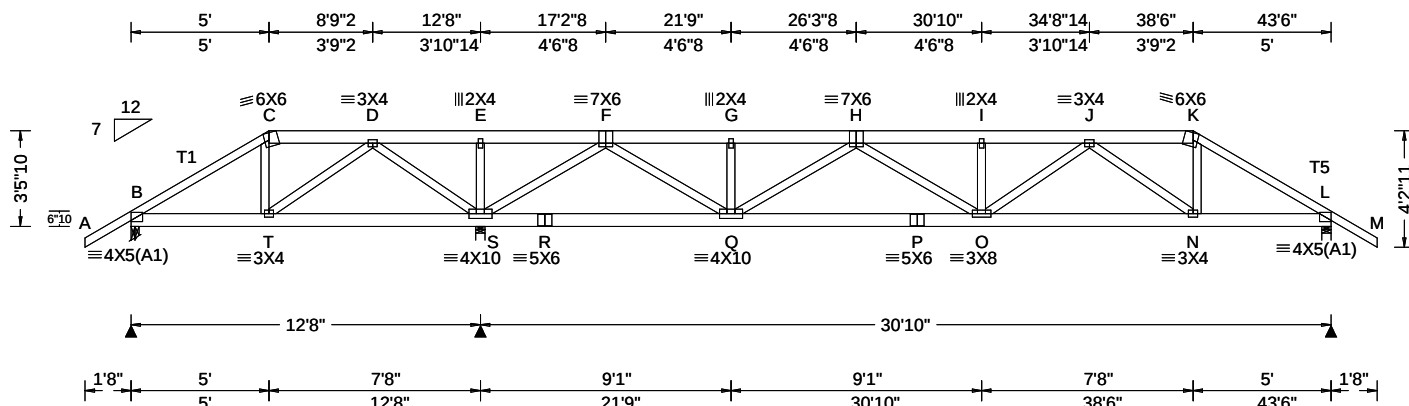
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|                           |                |        |                                                    |                                                                                  |
|---------------------------|----------------|--------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344742<br>FROM: CDM | HIPS<br>Qty: 1 | Ply: 2 | Job Number: 20-4261<br>Goodrum<br>Truss Label: A09 | Cust: R 215 JRef: 1WVe2150007 T32<br>DrwNo: 140.20.1446.36053<br>/ YK 05/19/2020 |
|---------------------------|----------------|--------|----------------------------------------------------|----------------------------------------------------------------------------------|

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 7-10<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: 4.35 ft<br>Loc. from endwall: not in 6.50 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.084 I 999 360<br>VERT(CL): 0.169 I 999 240<br>HORZ(LL): 0.013 N - -<br>HORZ(TL): 0.027 N - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.302<br>Max BC CSI: 0.191<br>Max Web CSI: 0.768<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>B 234 -140 - / - /37 - /-<br>S 4699 - / - / - /1034 - /-<br>L 2111 - / - / - /472 - /-<br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>S Brg Width = 4.0 Min Req = 1.6<br>L Brg Width = 4.0 Min Req = 1.5<br>Bearings B, S, & L 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; T1,T5 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 @12.00" o.c.  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails  
in each row to avoid splitting.

#### Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

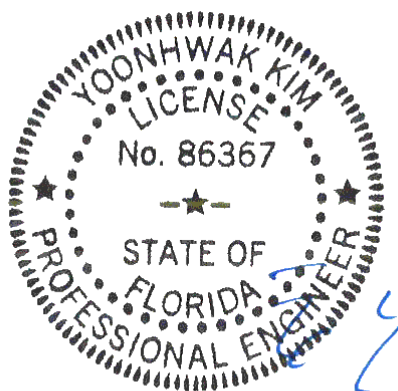
TC: From 63 plf at -1.67 to 63 plf at 5.00  
TC: From 32 plf at 5.00 to 32 plf at 38.50  
TC: From 63 plf at 38.50 to 63 plf at 45.17  
BC: From 5 plf at -1.67 to 5 plf at 0.00  
BC: From 20 plf at 0.00 to 20 plf at 5.03  
BC: From 10 plf at 5.03 to 10 plf at 38.47  
BC: From 20 plf at 38.47 to 20 plf at 43.50  
BC: From 5 plf at 43.50 to 5 plf at 45.17  
TC: 206 lb Conc. Load at 5.03,38.47  
TC: 133 lb Conc. Load at 7.06, 9.06,11.06,13.06  
15.06,17.06,19.06,21.06,22.44,24.44,26.44,28.44  
30.44,32.44,34.44,36.44  
BC: 224 lb Conc. Load at 5.03,38.47  
BC: 94 lb Conc. Load at 7.06, 9.06,11.06,13.06  
15.06,17.06,19.06,21.06,22.44,24.44,26.44,28.44  
30.44,32.44,34.44,36.44

#### Wind

Wind loads and reactions based on MWFRS.

#### Additional Notes

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is  
3-5-10.



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. |
|--------|------------|--------|-------------|
| T - S  | 162 -859   | O - N  | 1992 -452   |
| Q - P  | 2055 -472  | N - L  | 1403 -302   |
| P - O  | 2055 -472  |        |             |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| T - D | 853 -161   | Q - H | 209 -776    |
| D - S | 274 -1108  | O - J | 440 -66     |
| S - F | 484 -2027  | J - N | 192 -754    |
| F - Q | 1670 -329  | K - N | 612 -79     |

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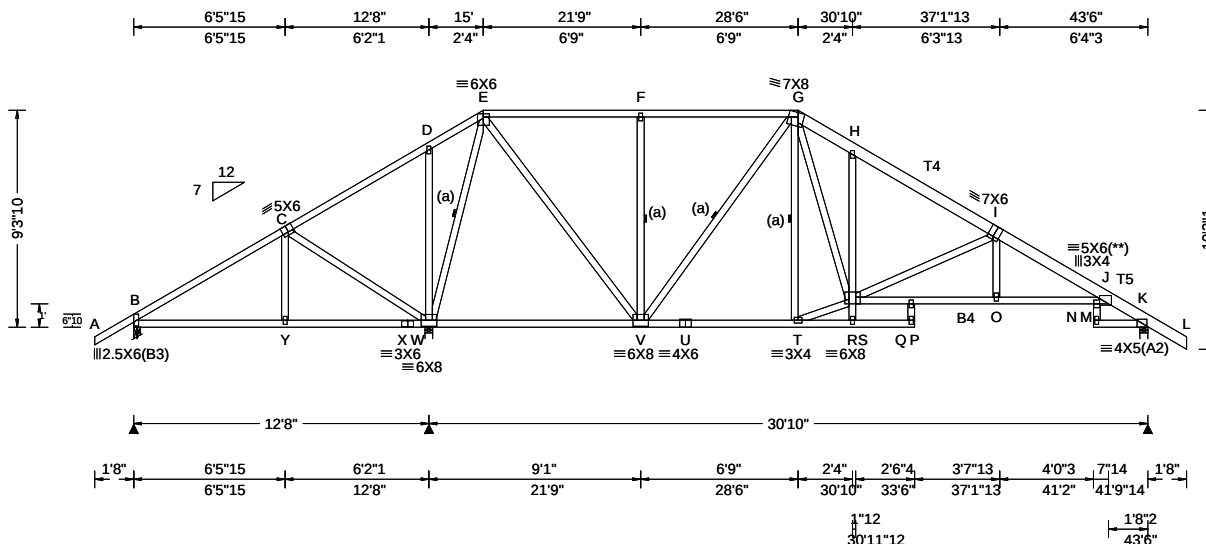
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|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344747<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 2 | Job Number: 20-4261<br>Goodrum<br>Truss Label: B01 | Cust: R 215 JRef: 1WVe2150007 T60<br>DrwNo: 140.20.1446.45380<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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: 4.35 ft<br>Loc. from endwall: not in 13.00 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.181 O 999 360<br>VERT(CL): 0.348 O 999 240<br>HORZ(LL): 0.127 M - -<br>HORZ(TL): 0.243 M - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.860<br>Max BC CSI: 0.878<br>Max Web CSI: 0.945<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 280 /-251 /- /146 /68 /292<br>W 2906 /- /- /1426 /39 /-<br>K 1256 /- /- /788 /58 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>W Brg Width = 4.0 Min Req = 3.1<br>K Brg Width = 4.0 Min Req = 1.5<br>Bearings B, W, & K 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; T4,T5 2x6 SP 2400f-2.0E;  
Bot chord: 2x4 SP #2; B4 2x4 SP M-31;  
Webs: 2x4 SP #3;

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### 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.

#### 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.

#### Additional Notes

Refer to General Notes for additional information

Negative reaction(s) of -251# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Refer to DWG PB160101014 for piggyback details.

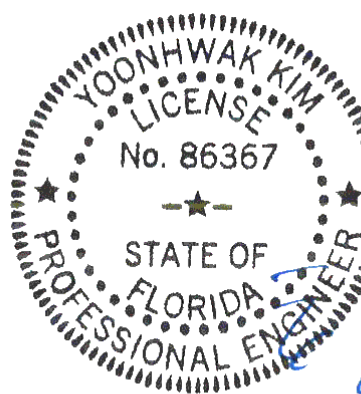
The overall height of this truss excluding overhang is 9-3-10.

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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| B - Y  | 207 -667   | U - T  | 870 -30     |
| Y - X  | 206 -669   | R - Q  | 1956 -304   |
| X - W  | 206 -669   | Q - O  | 1962 -308   |
| W - V  | 240 -442   | O - M  | 1962 -308   |
| V - U  | 870 -30    | M - J  | 1715 -260   |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| C - W | 184 -544   | V - G | 118 -574    |
| W - E | 385 -2071  | T - R | 930 -25     |
| E - V | 1568 -331  | G - R | 1028 -242   |
| F - V | 201 -486   | R - I | 227 -872    |



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05/19/2020

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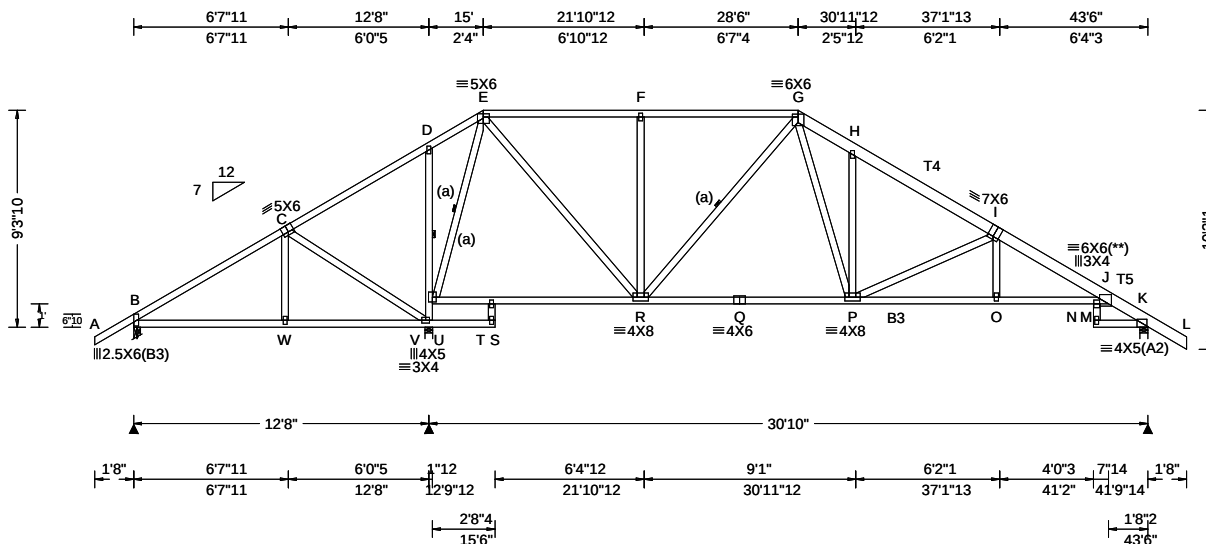
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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344752<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: B02 | Cust: R 215 JRef: 1WVe2150007 T37<br>DrwNo: 140.20.1446.58160<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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: > 2h<br>C&C Dist a: 4.35 ft<br>Loc. from endwall: not in 13.00 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.181 O 999 360<br>VERT(CL): 0.374 O 990 240<br>HORZ(LL): 0.097 M - -<br>HORZ(TL): 0.202 M - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.597<br>Max BC CSI: 0.882<br>Max Web CSI: 0.885<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>B 548 -/- /- /262 /58 /292<br>V 1998 -/- /- /1248 /13 /-<br>K 1355 -/- /- /905 /84 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>V Brg Width = 4.0 Min Req = 2.0<br>K Brg Width = 4.0 Min Req = 1.6<br>Bearings B, V, & K 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; T4,T5 2x6 SP 2400f-2.0E;  
Bot chord: 2x4 SP #2; B3 2x4 SP M-31;  
Webs: 2x4 SP #3;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### 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.

#### Wind

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

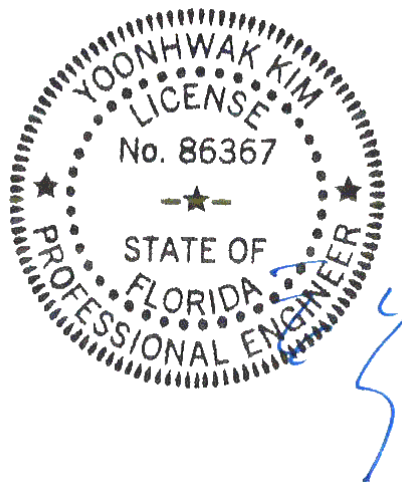
#### Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 9-3-10.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

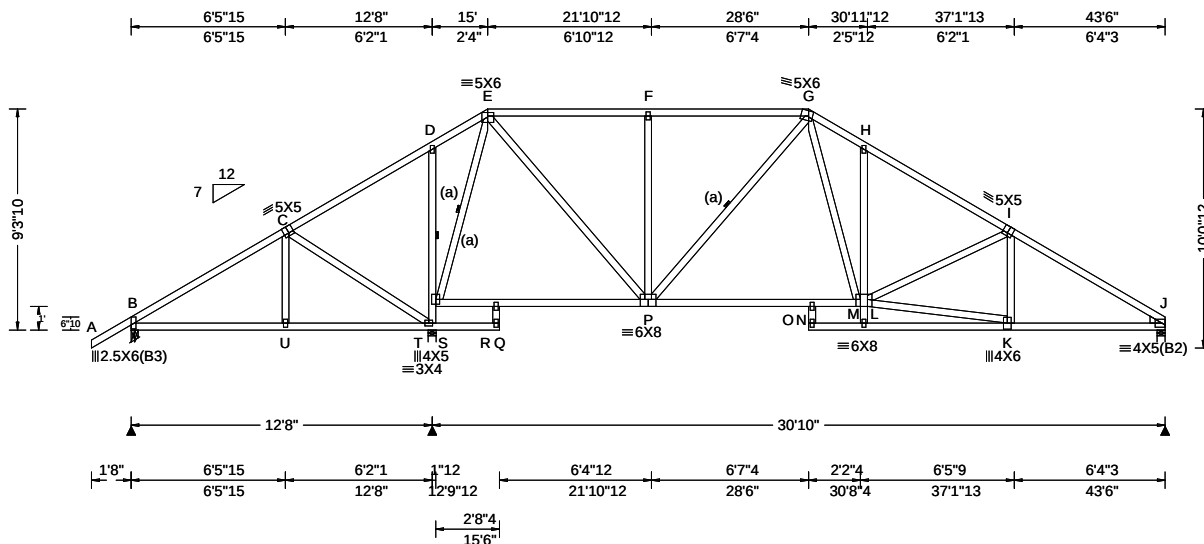


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05/19/2020

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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCEA: www.sbceaindust.com; ICC: www.iccsafe.org

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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344769<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: B03 | Cust: R 215 JRef: 1WVe2150007 T17<br>DrwNo: 140.20.1447.11020<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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: > 2h<br>C&C Dist a: 4.35 ft<br>Loc. from endwall: not in 13.00 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.086 O 999 360<br>VERT(CL): 0.218 O 999 240<br>HORZ(LL): -0.017 R - -<br>HORZ(TL): 0.038 K - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.571<br>Max BC CSI: 0.857<br>Max Web CSI: 0.612<br><br>VIEW Ver: 19.02.02B.0122.15 | <b>Gravity</b><br>Loc R+ / R- / Rh / Rw / U / RL<br>B 577 -/- /- /295 /51 /273<br>T 1927 -/- /- /1204 /47 -/-<br>J 1258 -/- /- /812 /69 -/-<br><b>Non-Gravity</b><br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>T Brg Width = 4.0 Min Req = 1.9<br>J Brg Width = 4.0 Min Req = 1.5<br>Bearings B, T, & J 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;  
Rt Wedge: 2x4 SP #3;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Plating Notes

All plates are 2X4 except as noted.

#### Wind

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

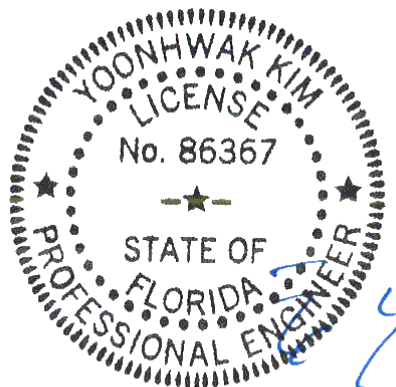
#### Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 9'-3"-10".

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| P - N  | 1199 -191  | K - J  | 1620 -363   |
| N - L  | 1183 -179  |        |             |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| C - T | 168 -519   | F - P | 191 -472    |
| T - S | 302 -1493  | G - L | 846 -252    |
| S - E | 190 -1291  | L - K | 1606 -350   |
| E - P | 1143 -244  |       |             |

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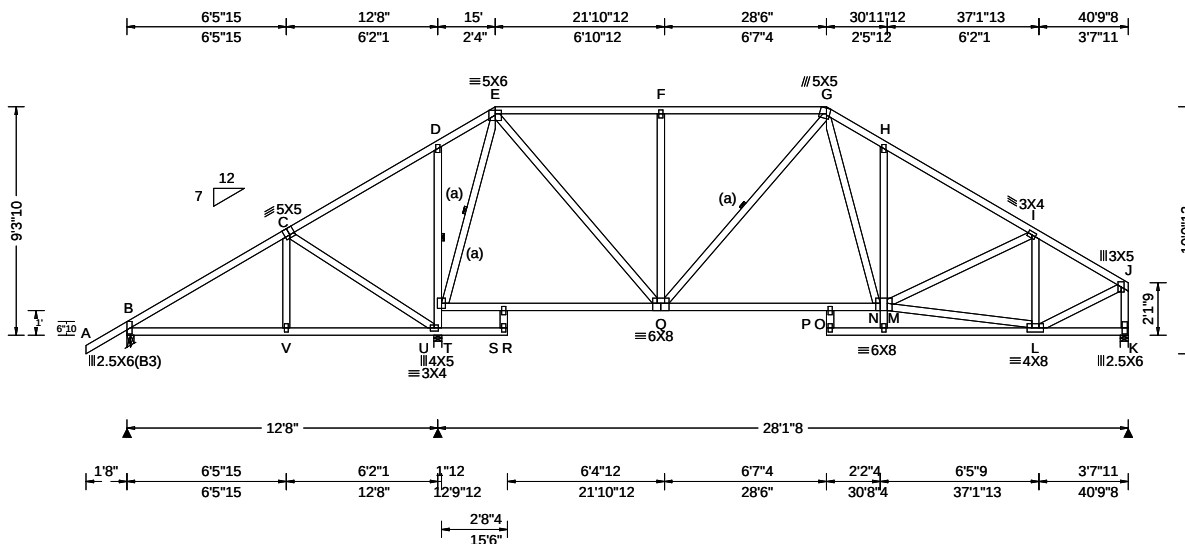
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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344766<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 4 | Job Number: 20-4261<br>Goodrum<br>Truss Label: B04 | Cust: R 215 JRef: 1WVe2150007 T57<br>DrwNo: 140.20.1447.15477<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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: > 2h<br>C&C Dist a: 4.08 ft<br>Loc. from endwall: not in 13.00 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.149 S 999 360<br>VERT(CL): 0.281 S 999 240<br>HORZ(LL): -0.011 H - -<br>HORZ(TL): 0.021 P - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.573<br>Max BC CSI: 0.967<br>Max Web CSI: 0.586<br><br>VIEW Ver: 19.02.02B.0122.15 | <b>Gravity</b><br>Loc R+ / R- / Rh / Rw / U / RL<br>B 567 -/- /- /322 /36 /244<br>U 2049 -/- /- /1119 /125 -/-<br>K 1256 -/- /- /725 /58 -/-<br><b>Non-Gravity</b><br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>U Brg Width = 4.0 Min Req = 2.0<br>K Brg Width = 4.0 Min Req = 1.5<br>Bearings B, U, & K 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;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Plating Notes

All plates are 2X4 except as noted.

#### 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.

Right end vertical not exposed to wind pressure.

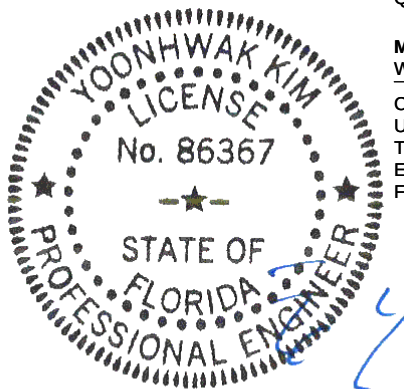
#### Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 9'-3-10.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

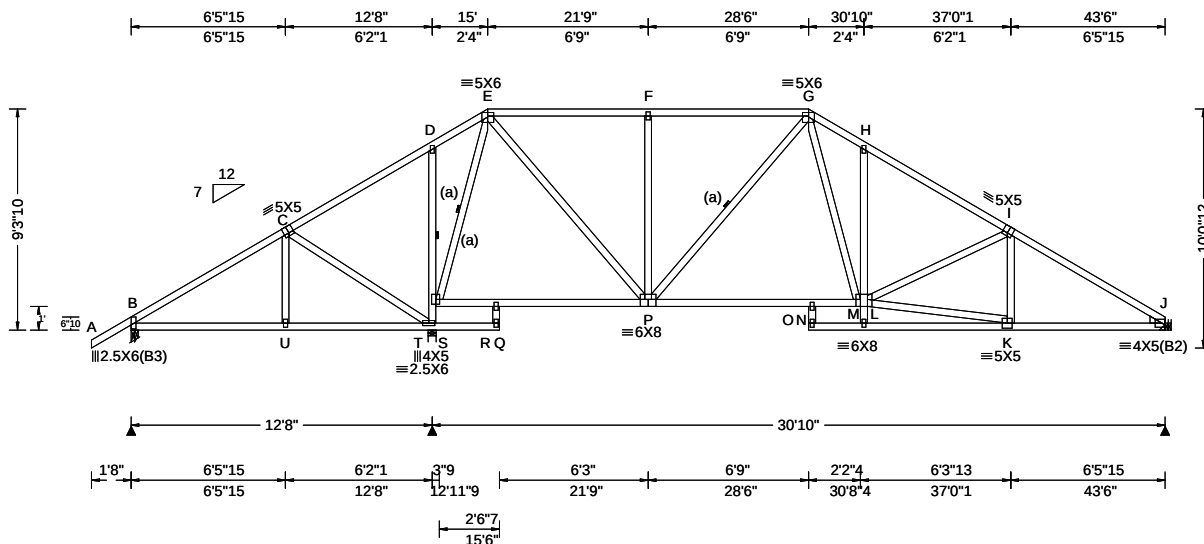


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05/19/2020

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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344772<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 2 | Job Number: 20-4261<br>Goodrum<br>Truss Label: B05 | Cust: R 215 JRef: 1WVe2150007 T10<br>DrwNo: 140.20.1447.18630<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.28 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: h to 2h<br>C&C Dist a: 4.35 ft<br>Loc. from endwall: not in 13.00 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.164 O 999 360<br>VERT(CL): 0.311 O 999 240<br>HORZ(LL): -0.019 R - -<br>HORZ(TL): 0.038 K - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.588<br>Max BC CSI: 0.994<br>Max Web CSI: 0.681<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>B 549 /- /- /292 /57 /274<br>T 2210 /- /- /1287 /- /-<br>J 1350 /- /- /845 /3 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>T Brg Width = 4.0 Min Req = 2.2<br>J Brg Width = - Min Req = -<br>Bearings B & T 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;  
Rt Wedge: 2x4 SP #3;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Plating Notes

All plates are 2X4 except as noted.

#### Hangers / Ties

(J) Hanger Support Required, by others

#### 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.

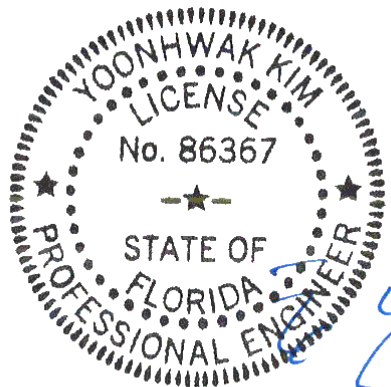
#### Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 9'-3"-10'.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



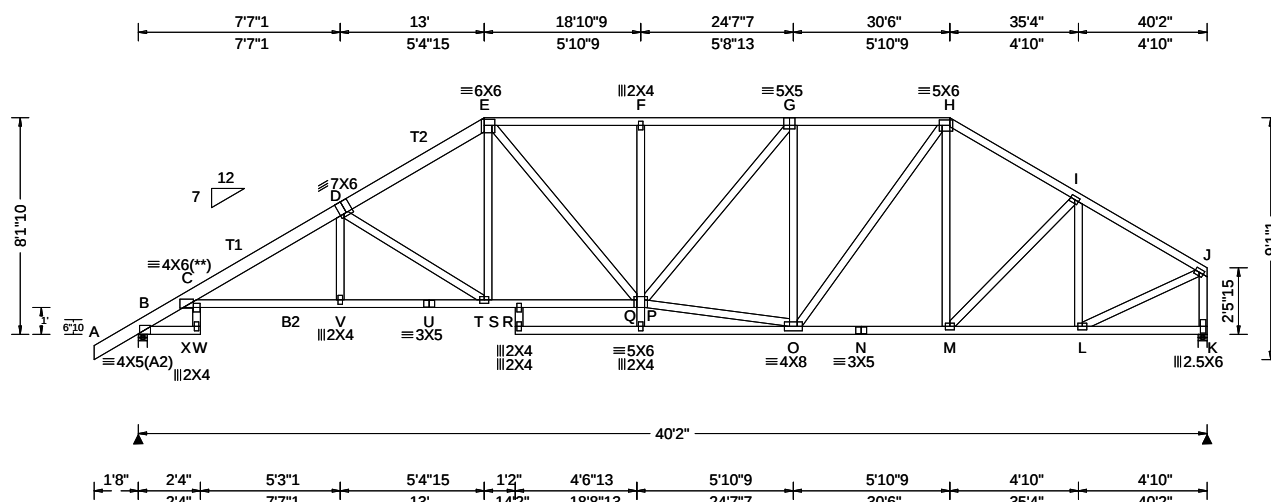
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05/19/2020

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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344791<br>FROM: CDM | COMN<br>Ply: 2<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: C01 | Cust: R 215 JRef: 1WVe2150007 T34<br>DrwNo: 140.20.1447.21503<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|

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 7-10<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/2 to h<br>C&C Dist a: 4.02 ft<br>Loc. from endwall: not in 13.00 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.152 V 999 360<br>VERT(CL): 0.314 V 999 240<br>HORZ(LL): 0.119 K - -<br>HORZ(TL): 0.246 K - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.405<br>Max BC CSI: 0.390<br>Max Web CSI: 0.468<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 1790 - / - / - /1077 /316 /208<br>K 1661 - / - / - /924 /290 - / -<br>Wind reactions based on MWFRS<br>B Brg Width = 4.0 Min Req = 1.5<br>K Brg Width = 4.0 Min Req = 1.5<br>Bearings B & K 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 115 -543 F - G 362 -1242<br>C - D 392 -1628 G - H 315 -1019<br>D - E 355 -1317 H - I 280 -952<br>E - F 363 -1246 I - J 222 -858 |

#### Lumber

Top chord: 2x4 SP #2; T1,T2 2x6 SP 2400f-2.0E;  
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;  
Webs: 2x4 SP #3;

#### Nailnote

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @12.00" o.c.  
Bot Chord: 1 Row @12.00" o.c.  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails in each row to avoid splitting.

#### Plating Notes

All plates are 3X4 except as noted.

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

#### Wind

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

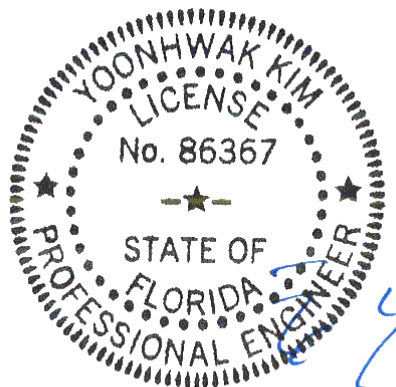
Right end vertical not exposed to wind pressure.

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 8-1-10.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



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

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| C - X  | 1268 -291  | R - P  | 1057 -225   |
| X - V  | 1474 -348  | O - N  | 789 -164    |
| V - U  | 1474 -348  | N - M  | 789 -164    |
| U - T  | 1474 -348  | M - L  | 724 -166    |
| T - R  | 1075 -229  |        |             |

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

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| D - T | 143 -479   | O - H | 383 -98     |
| P - O | 1011 -221  | L - J | 777 -176    |
| G - O | 130 -443   | J - K | 208 -809    |

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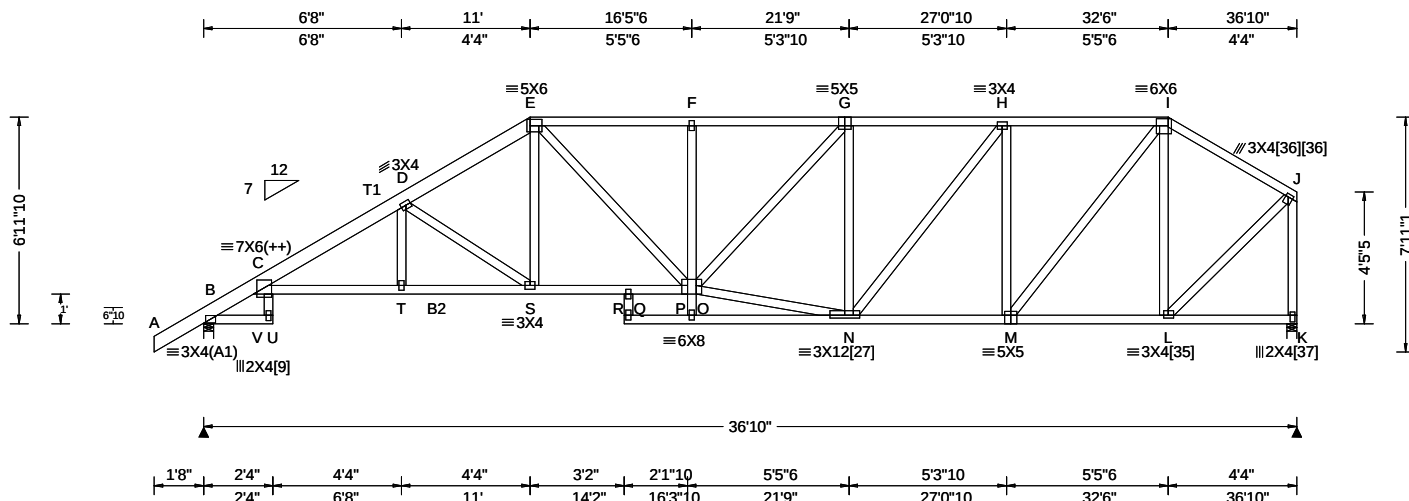
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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344797<br>FROM: CDM | HIPS<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: C02 | Cust: R 215 JRef: 1WVe2150007 T28<br>DrwNo: 140.20.1447.24640<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                              | Wind Criteria                                                                                                                                                                                                                                                                                  | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                                | Defl/CSI Criteria                                                                                                                                                                                                                                                   | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCCL: 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 7-10<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/2 to h<br>C&C Dist a: 3.68 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.256 D 999 360<br>VERT(CL): 0.528 D 833 240<br>HORZ(LL): 0.197 L - -<br>HORZ(TL): 0.406 L - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.755<br>Max BC CSI: 0.629<br>Max Web CSI: 0.778<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 1653 -/- /- /995 /289 /159<br>K 1522 -/- /- /789 /277 -/-<br>Wind reactions based on MWFRS<br>B Brg Width = 4.0 Min Req = 2.0<br>K Brg Width = 4.0 Min Req = 1.8<br>Bearings B & K 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 158 -974 F - G 714 -2497<br>C - D 753 -3052 G - H 601 -2046<br>D - E 687 -2540 H - I 503 -1642<br>E - F 717 -2506 I - J 318 -1096 |

#### Lumber

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

#### Plating Notes

All plates are 2X4 except as noted.

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

#### Plate Shift Table

| JT   | Plate | Lateral | Chord | JT   | Plate | Lateral | Chord  |
|------|-------|---------|-------|------|-------|---------|--------|
| No   | Size  | Shift   | Bite  | No   | Size  | Shift   | Bite   |
| [9]  | 2X4   | S       | 2.25  | [27] | 3X12  | 2.50    | R 1.25 |
| [35] | 3X4   | 2.25 R  | 1.25  | [36] | 3X4   | 2.00    | R 1.25 |
| [37] | 2X4   | S       | 2.75  |      |       |         |        |

#### Wind

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

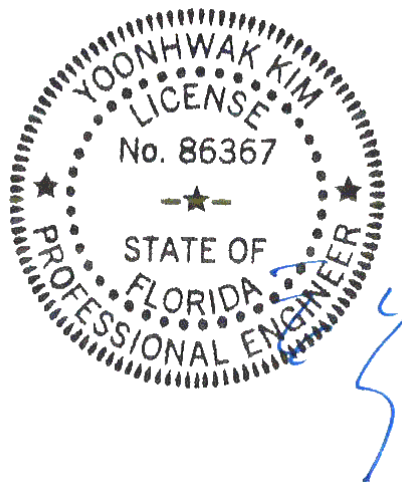
Right end vertical not exposed to wind pressure.

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 6-11-10.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (if no rigid diaphragm exists at that point).

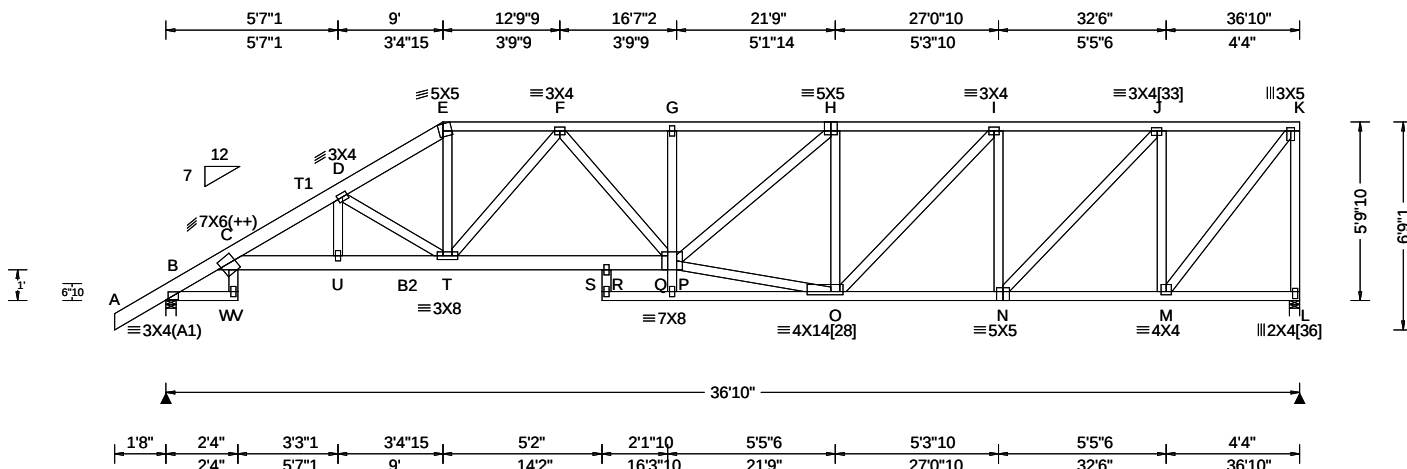


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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCEA: www.sbceaindstry.com; ICC: www.iccsafe.org

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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344807<br>FROM: CDM | HIPM<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: C03 | Cust: R 215 JRef: 1WVe2150007 T20<br>DrwNo: 140.20.1447.28090<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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/2 to h<br>C&C Dist a: 3.68 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.287 G 999 360<br>VERT(CL): 0.591 G 744 240<br>HORZ(LL): 0.199 M - -<br>HORZ(TL): 0.410 M - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.849<br>Max BC CSI: 0.584<br>Max Web CSI: 0.945<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 1653 -/- /- /982 /287 /177<br>L 1522 -/- /- /770 /291 -/<br>Wind reactions based on MWFRS<br>B Brg Width = 4.0 Min Req = 2.0<br>L Brg Width = 4.0 Min Req = 1.8<br>Bearings B & L 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 99 -915 G - H 854 -3207<br>C - D 820 -3241 H - I 651 -2482<br>D - E 742 -2813 I - J 517 -1985<br>E - F 660 -2360 J - K 284 -1081<br>F - G 858 -3222 |

#### Lumber

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

#### Plating Notes

All plates are 2X4 except as noted.

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

#### Plate Shift Table

| JT   | Plate | Lateral | Chord  | JT   | Plate | Lateral | Chord  |
|------|-------|---------|--------|------|-------|---------|--------|
| No   | Size  | Shift   | Bite   | No   | Size  | Shift   | Bite   |
| [28] | 4X14  | 1.25    | R 1.25 | [33] | 3X4   | 1.75    | R 1.25 |
| [36] | 2X4   | S       | 2.75   |      |       |         |        |

#### Wind

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

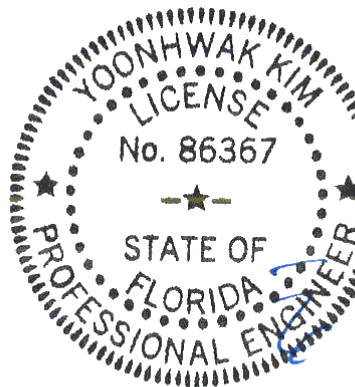
Right end vertical not exposed to wind pressure.

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 5'-9-10.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



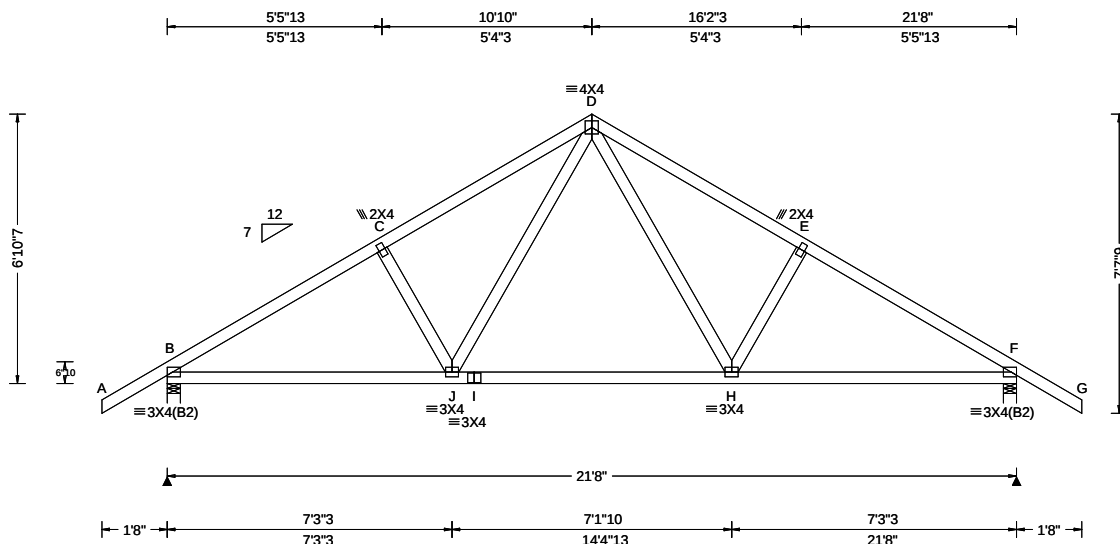
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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344829<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 8 | Job Number: 20-4261<br>Goodrum<br>Truss Label: D01 | Cust: R 215 JRef: 1WVe2150007 T46<br>DrwNo: 140.20.1447.49927<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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/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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.060 H 999 360<br>VERT(CL): 0.116 H 999 240<br>HORZ(LL): 0.030 H - -<br>HORZ(TL): 0.058 H - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.532<br>Max BC CSI: 0.617<br>Max Web CSI: 0.183<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 1070 -/- /- /612 /175 /210<br>F 1070 -/- /- /612 /175 -/<br>Wind reactions based on MWFRS<br>B Brg Width = 4.0 Min Req = 1.5<br>F Brg Width = 4.0 Min Req = 1.5<br>Bearings B & F 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 272 -1439 D - E 307 -1277<br>C - D 308 -1276 E - F 271 -1440 |

#### Lumber

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

#### Loading

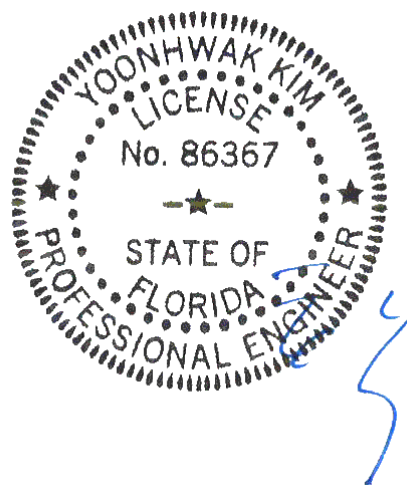
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

#### Wind

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

#### Additional Notes

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 6'-10-7/9".

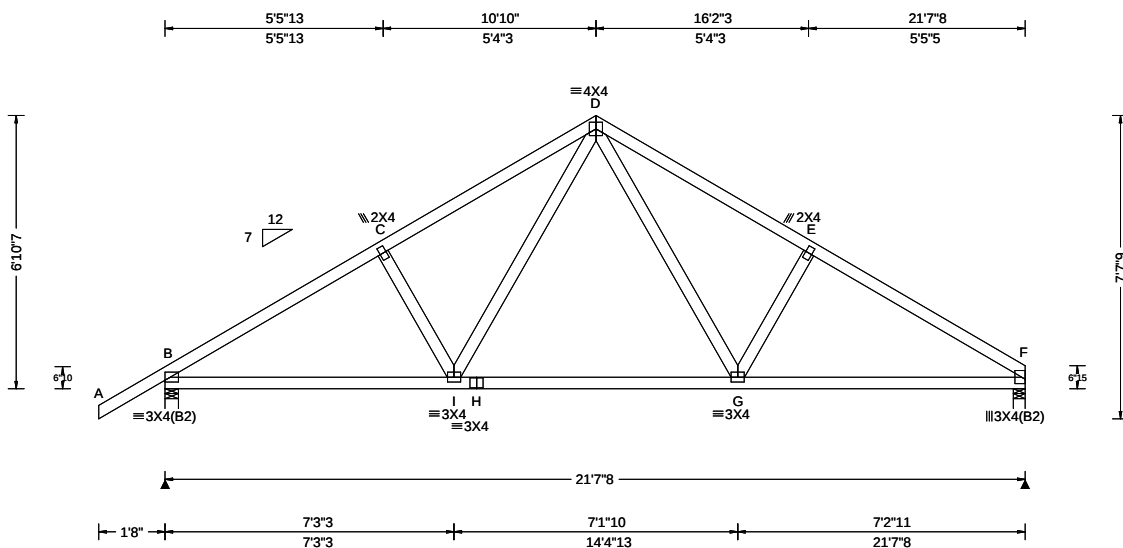


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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344832<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 2 | Job Number: 20-4261<br>Goodrum<br>Truss Label: D02 | Cust: R 215 JRef: 1WVe2150007 T14<br>DrwNo: 140.20.1447.51780<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.059 I 999 360<br>VERT(CL): 0.114 I 999 240<br>HORZ(LL): 0.028 G - -<br>HORZ(TL): 0.055 G - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.533<br>Max BC CSI: 0.621<br>Max Web CSI: 0.190<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 1074 /- /- /612 /18 /191<br>F 950 /- /- /515 /10 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 4.0 Min Req = 1.5<br>F Brg Width = 3.5 Min Req = 1.5<br>Bearings B & F 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 281 -1446 D - E 333 -1297<br>C - D 317 -1283 E - F 297 -1458 |

#### Lumber

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

#### Loading

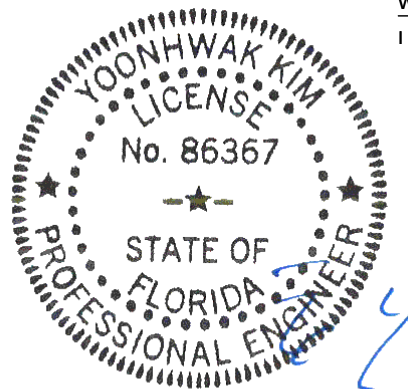
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

#### Wind

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

#### Additional Notes

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 6'-10"-7".

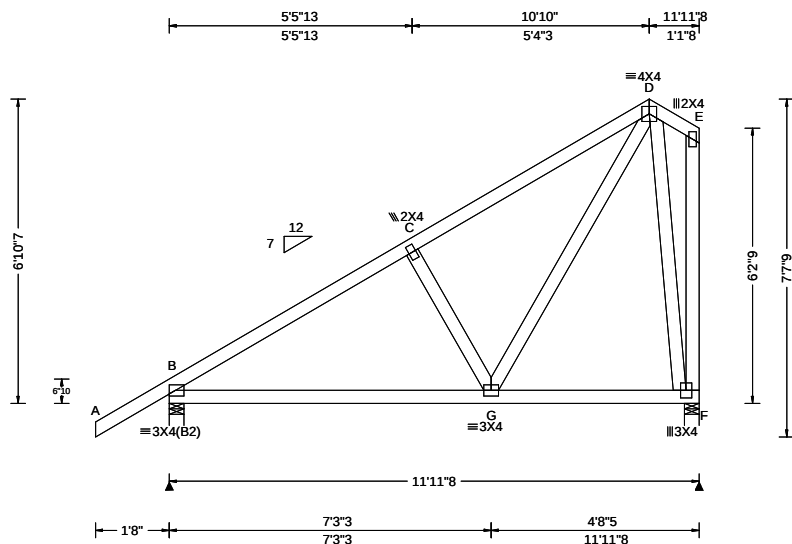


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05/19/2020

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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344835<br>FROM: CDM | SPEC<br>Ply: 1<br>Qty: 2 | Job Number: 20-4261<br>Goodrum<br>Truss Label: D03 | Cust: R 215 JRef: 1WVe2150007 T41<br>DrwNo: 140.20.1447.53687<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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: > 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.012 C 999 360<br>VERT(CL): 0.025 C 999 240<br>HORZ(LL): -0.004 D - -<br>HORZ(TL): 0.009 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.383<br>Max BC CSI: 0.477<br>Max Web CSI: 0.355<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 622 -/- /- /419 /5 /142<br>F 486 -/- /- /319 /41 /-<br>Non-Gravity<br>Wind reactions based on MWFRS<br>B Brg Width = 4.0 Min Req = 1.5<br>F Brg Width = 4.0 Min Req = 1.5<br>Bearings B & F 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 62 -611 C - D 99 -450 |

#### Lumber

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

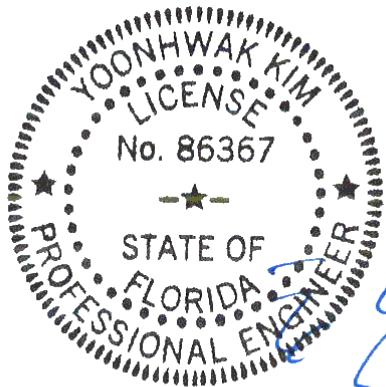
#### Wind

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

Right end vertical not exposed to wind pressure.

#### Additional Notes

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 6'-10.7."



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

Chords Tens.Comp.

B - G 458 -186

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

Webs Tens.Comp. Webs Tens. Comp.

G - D 477 -150 D - F 160 -424

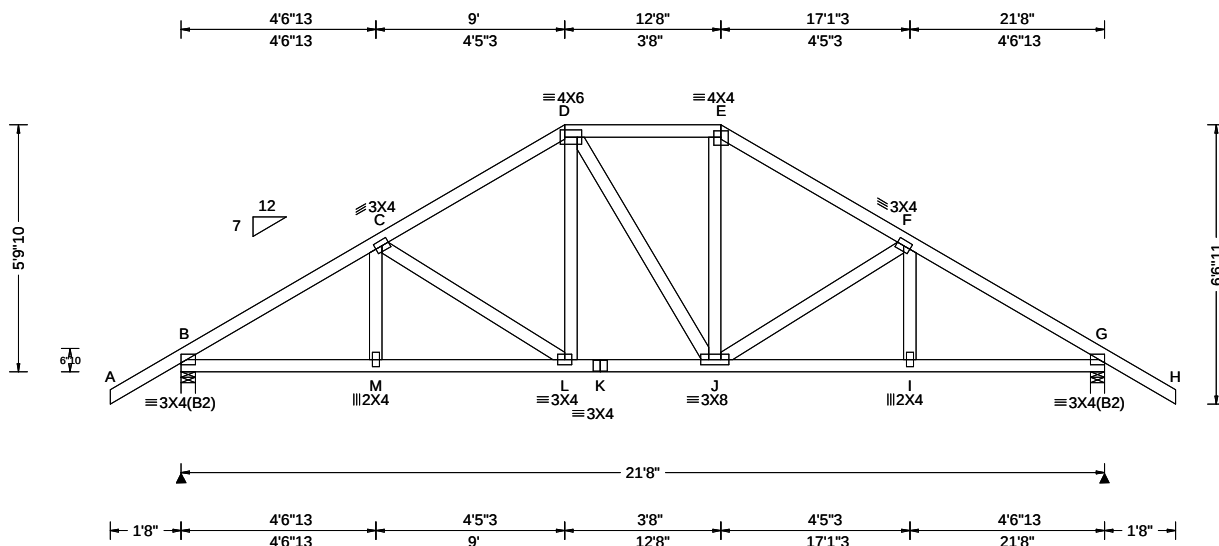
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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344838<br>FROM: CDM | HIPS<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: D04 | Cust: R 215 JRef: 1WVe2150007 T43<br>DrwNo: 140.20.1447.55783<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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/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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.049 L 999 360<br>VERT(CL): 0.100 L 999 240<br>HORZ(LL): 0.027 I - -<br>HORZ(TL): 0.054 I - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.472<br>Max BC CSI: 0.618<br>Max Web CSI: 0.151<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 1014 /- /- /613 /179 /183<br>G 1014 /- /- /613 /179 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 4.0 Min Req = 1.5<br>G Brg Width = 4.0 Min Req = 1.5<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.<br>B - C 306 -1335 E - F 296 -1051<br>C - D 298 -1056 F - G 304 -1336<br>D - E 291 -855 |

#### Lumber

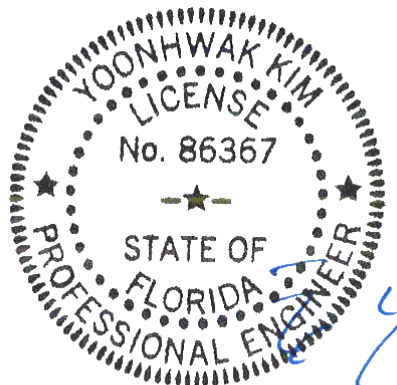
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### Wind

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

#### Additional Notes

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 5-9-10.

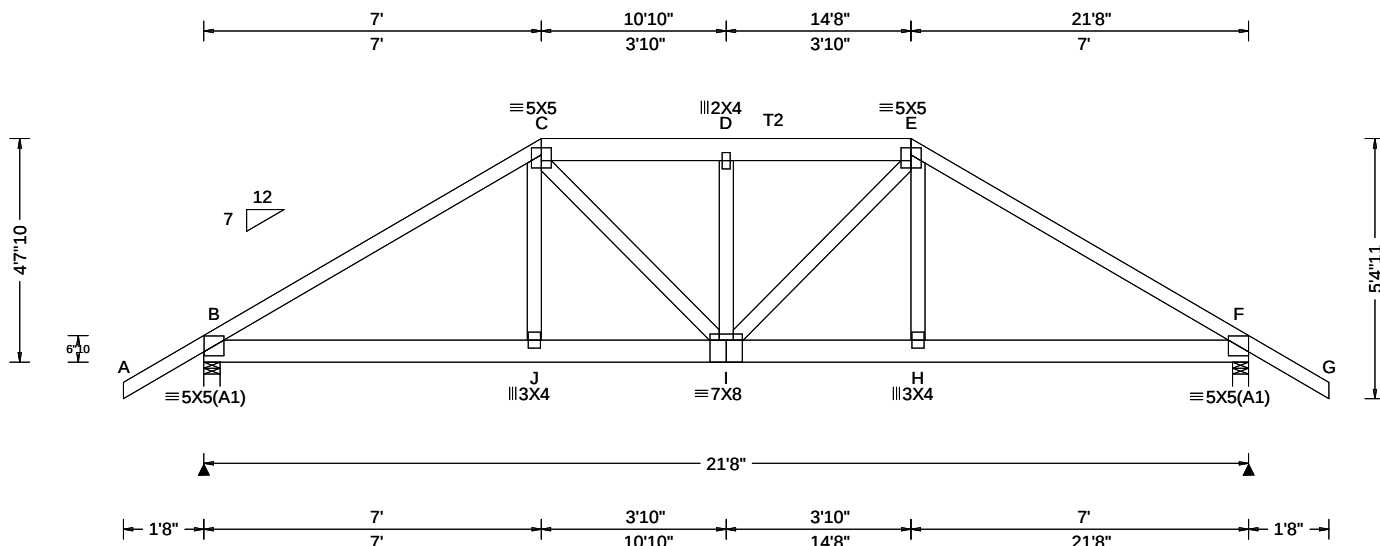


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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344843<br>FROM: CDM | HIPS<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: D05 | Cust: R 215 JRef: 1WVe2150007 T49<br>DrwNo: 140.20.1448.03600<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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><br><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.082 D 999 360<br>VERT(CL): 0.165 D 999 240<br>HORZ(LL): 0.026 H - -<br>HORZ(TL): 0.052 H - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.778<br>Max BC CSI: 0.338<br>Max Web CSI: 0.261<br><br>VIEW Ver: 19.02.02B.0122.15 | <b>Gravity</b><br>Loc R+ / R- / Rh / Rw / U / RL<br>B 2104 /- /- /- /474 /-<br>F 2104 /- /- /- /474 /-<br><b>Non-Gravity</b><br>Wind reactions based on MWFRS<br>B Brg Width = 4.0 Min Req = 1.7<br>F Brg Width = 4.0 Min Req = 1.7<br>Bearings B & F 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 751 - 3281 D - E 722 - 3186<br>C - D 722 - 3186 E - F 751 - 3281 |

#### Lumber

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

#### Special Loads

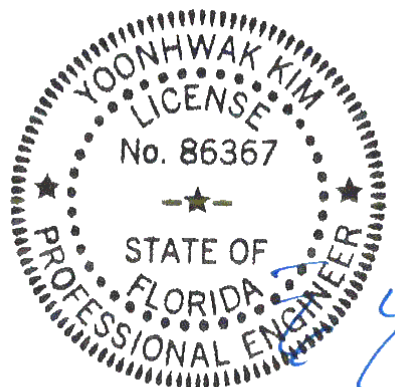
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 63 plf at -1.67 to 63 plf at 7.00  
TC: From 32 plf at 7.00 to 32 plf at 14.67  
TC: From 63 plf at 14.67 to 63 plf at 23.33  
BC: From 5 plf at -1.67 to 5 plf at 0.00  
BC: From 20 plf at 0.00 to 20 plf at 7.03  
BC: From 10 plf at 7.03 to 10 plf at 14.64  
BC: From 20 plf at 14.64 to 20 plf at 21.67  
BC: From 5 plf at 21.67 to 5 plf at 23.33  
TC: 289 lb Conc. Load at 7.03,14.64  
TC: 196 lb Conc. Load at 9.06,10.83,12.60  
BC: 467 lb Conc. Load at 7.03,14.64  
BC: 133 lb Conc. Load at 9.06,10.83,12.60

#### Wind

Wind loads and reactions based on MWFRS.

#### Additional Notes

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 4-7-10.

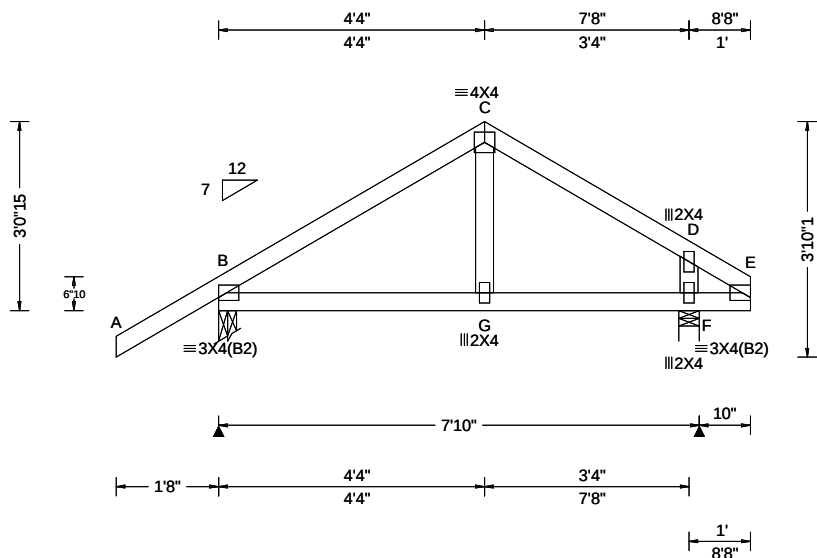


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05/19/2020

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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344846<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: G01 | Cust: R 215 JRef: 1WVe2150007 T42<br>DrwNo: 140.20.1448.05767<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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><br><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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 F 999 360<br>VERT(CL): 0.022 F 552 240<br>HORZ(LL): 0.010 D - -<br>HORZ(TL): 0.019 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.245<br>Max BC CSI: 0.291<br>Max Web CSI: 0.050<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 445 /- /- /288 /83 /95<br>F 391 /- /- /206 /55 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>F Brg Width = 4.0 Min Req = 1.5<br>Bearings B & F 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;

#### Wind

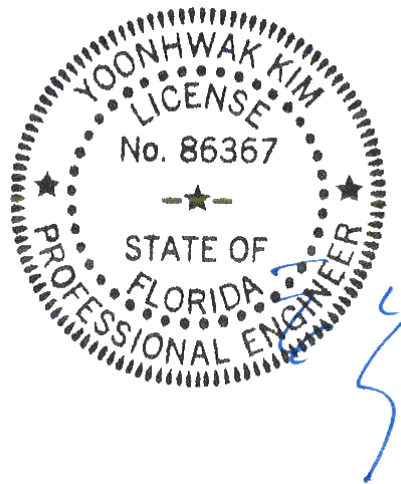
Wind loads based on MWFRS with additional C&C member design.

Right cantilever is exposed to wind

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3'-0-15.



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05/19/2020

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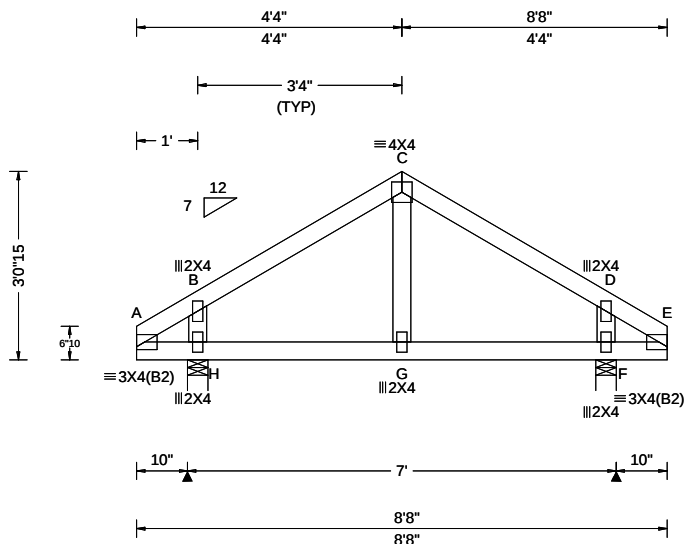
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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344849<br>FROM: CDM | COMN<br>Ply: 1<br>Qty: 2 | Job Number: 20-4261<br>Goodrum<br>Truss Label: G02 | Cust: R 215 JRef: 1WVe2150007 T40<br>DrwNo: 140.20.1448.08057<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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/2 to h<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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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 G 999 360<br>VERT(CL): 0.020 G 999 240<br>HORZ(LL): 0.005 D - -<br>HORZ(TL): 0.012 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.191<br>Max BC CSI: 0.229<br>Max Web CSI: 0.043<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>H 363 /- /- /227 /52 /64<br>F 363 /- /- /227 /52 /-<br>Wind reactions based on MWFRS<br>H Brg Width = 4.0 Min Req = 1.5<br>F Brg Width = 4.0 Min Req = 1.5<br>Bearings H & F 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;

#### Wind

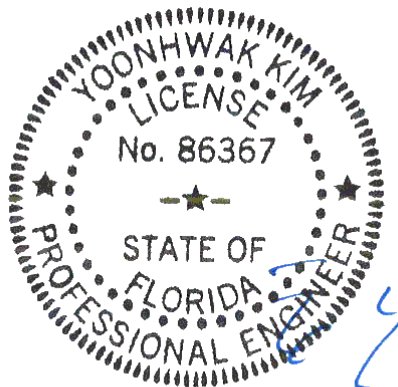
Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3'-0-15.



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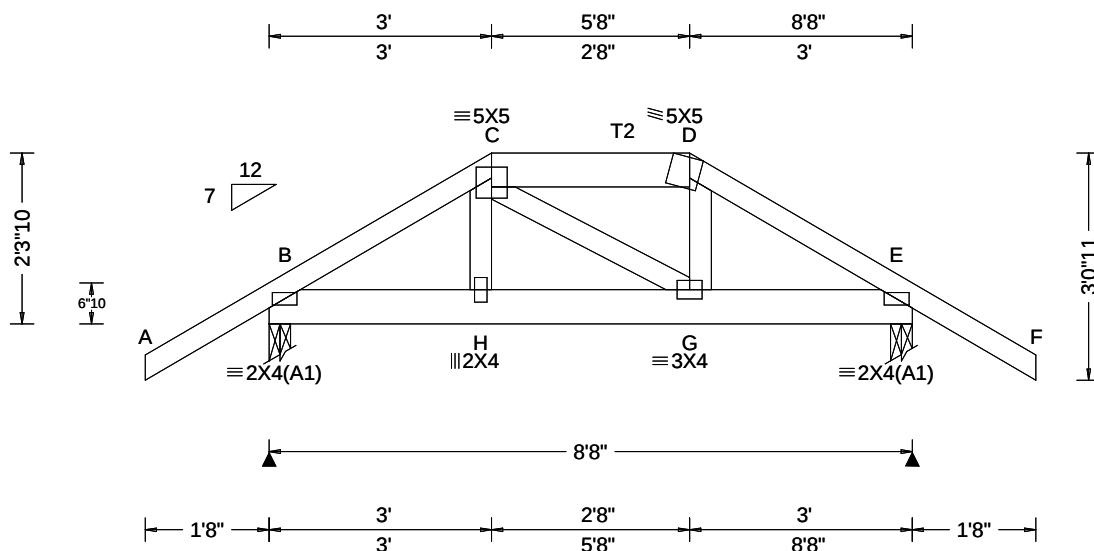
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|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344852<br>FROM: CDM | HIPS<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: G03 | Cust: R 215 JRef: 1WVe2150007 T39<br>DrwNo: 140.20.1448.10483<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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><br><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.008 G 999 360<br>VERT(CL): 0.015 G 999 240<br>HORZ(LL): 0.003 G - -<br>HORZ(TL): 0.006 G - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.260<br>Max BC CSI: 0.085<br>Max Web CSI: 0.051<br><br>VIEW Ver: 19.02.02B.0122.15 | <b>Gravity</b><br>Loc R+ / R- / Rh / Rw / U / RL<br>B 702 /- /- /- /174 /-<br>E 702 /- /- /- /174 /-<br><b>Non-Gravity</b><br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>E Brg Width = 3.5 Min Req = 1.5<br>Bearings B & E 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 181 -762 D - E 182 -766<br>C - D 140 -613<br><br><b>Maximum Bot Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.<br>B - H 609 -139 G - E 613 -140<br>H - G 600 -141 |

#### Lumber

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

#### Special Loads

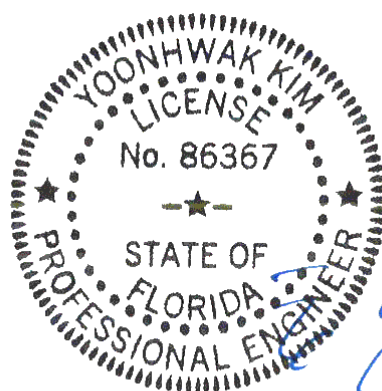
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 63 plf at -1.67 to 63 plf at 3.00  
TC: From 32 plf at 3.00 to 32 plf at 5.67  
TC: From 63 plf at 5.67 to 63 plf at 10.33  
BC: From 5 plf at -1.67 to 5 plf at 0.00  
BC: From 20 plf at 0.00 to 20 plf at 3.03  
BC: From 10 plf at 3.03 to 10 plf at 5.64  
BC: From 20 plf at 5.64 to 20 plf at 8.67  
BC: From 5 plf at 8.67 to 5 plf at 10.33  
TC: 97 lb Conc. Load at 3.03, 5.64  
TC: 63 lb Conc. Load at 4.33  
BC: 128 lb Conc. Load at 3.03, 5.64  
BC: 54 lb Conc. Load at 4.33

#### Wind

Wind loads and reactions based on MWFRS.

#### Additional Notes

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 2-3-10.



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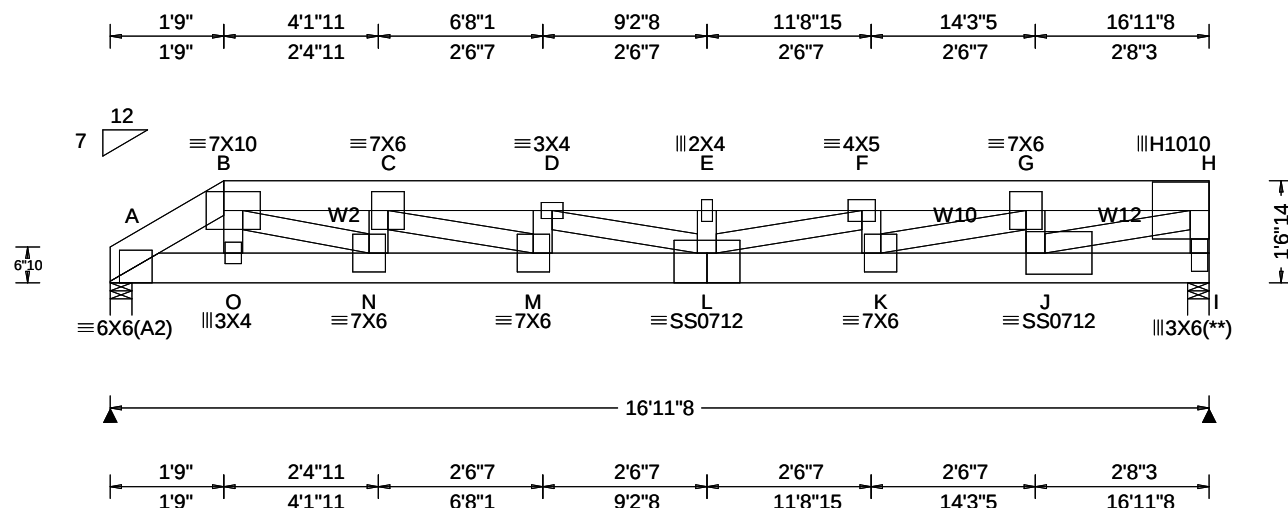
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|---------------------------|--------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 344880<br>FROM: CDM | HIPM<br>Ply: 2<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: H01 | Cust: R 215 JRef: 1WVe2150007 T2<br>DrwNo: 140.20.1448.19940<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|

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 7-10<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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 RES<br>TPI Std: 2014<br>Rep Fac: No<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE, 18SS, HS | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.247 L 818 360<br>VERT(CL): 0.494 L 408 240<br>HORZ(LL): 0.040 B - -<br>HORZ(TL): 0.079 B - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.461<br>Max BC CSI: 0.769<br>Max Web CSI: 0.947<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>A 5446 -/- /- /- /791 -/-<br>I 5571 -/- /- /- /406 -/-<br>Wind reactions based on MWFRS<br>A Brg Width = 4.0 Min Req = 2.3<br>I Brg Width = 4.0 Min Req = 2.3<br>Bearings A & 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>A - B 630 -4449 E - F 1089 -10293<br>B - C 957 -7107 F - G 795 -8854<br>C - D 1190 -9599 G - H 419 -5450<br>D - E 1089 -10293 |

#### Lumber

Top chord: 2x6 SP 2400f-2.0E;  
Bot chord: 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #3; W2,W10 2x4 SP #2;  
W12 2x4 SP M-31;

#### Nailnote

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @ 12.00" o.c.  
Bot Chord: 2 Rows @ 5.00" 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.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 63 plf at 0.00 to 63 plf at 1.75  
TC: From 32 plf at 1.75 to 32 plf at 16.96  
BC: From 10 plf at 0.00 to 10 plf at 16.96  
TC: 5 lb Conc. Load at 1.78  
TC: 4 lb Conc. Load at 3.81, 5.81, 7.81, 9.81  
11.81,13.81  
TC: 51 lb Conc. Load at 15.65  
BC: 1137 lb Conc. Load at 1.35  
BC: 66 lb Conc. Load at 1.78  
BC: 1096 lb Conc. Load at 3.35  
BC: 28 lb Conc. Load at 3.81, 5.81, 7.81, 9.81  
11.81,13.81  
BC: 1118 lb Conc. Load at 5.35  
BC: 1269 lb Conc. Load at 7.35  
BC: 1295 lb Conc. Load at 9.35,11.35  
BC: 1350 lb Conc. Load at 13.35,15.35  
BC: 33 lb Conc. Load at 15.65

#### Plating Notes

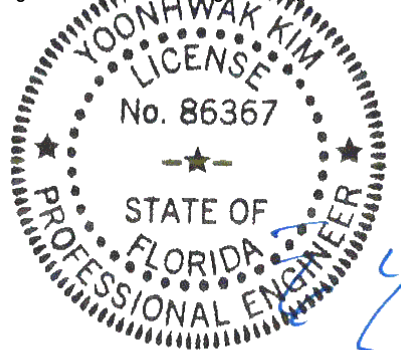
(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

#### Wind

Wind loads and reactions based on MWFRS.

#### Additional Notes

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 1'-6"-14".

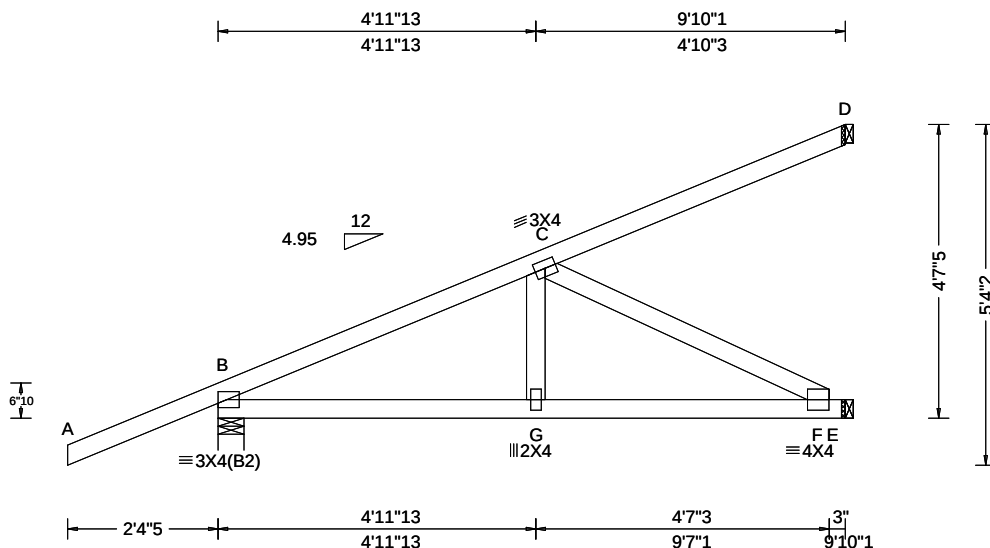


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|---------------------------|------|------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344698<br>FROM: CDM | HIP_ | Ply: 1<br>Qty: 2 | Job Number: 20-4261<br>Goodrum<br>Truss Label: HJ1 | Cust: R 215 JRef: 1WVe2150007 T51<br>DrwNo: 140.20.1448.29407<br>/ YK 05/19/2020 |
|---------------------------|------|------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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><br><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.026 G 999 360<br>VERT(CL): 0.051 G 999 240<br>HORZ(LL): -0.008 D - -<br>HORZ(TL): 0.016 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.704<br>Max BC CSI: 0.704<br>Max Web CSI: 0.330<br><br>VIEW Ver: 19.02.02B.0122.15 | <b>Gravity</b><br>Loc R+ / R- / Rh / Rw / U / RL<br>B 374 /- /- /- /222 /-<br>E 334 /- /- /- /85 /-<br>D 93 /- /- /- /26 /-<br><b>Non-Gravity</b><br>Wind reactions based on MWFRS<br>B Brg Width = 4.9 Min Req = 1.5<br>E Brg Width = 1.5 Min Req = -<br>D Brg Width = 1.5 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. |

#### 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 -0 plf at -2.36 to 62 plf at 0.00 | TC: From 2 plf at 0.00 to 2 plf at 9.84 |
| BC: From 0 plf at -2.36 to 4 plf at 0.00   | BC: From 2 plf at 0.00 to 2 plf at 9.84 |
| TC: -55 lb Conc. Load at 1.38              | TC: 124 lb Conc. Load at 4.21           |
| TC: 265 lb Conc. Load at 7.03              | BC: 20 lb Conc. Load at 1.38            |
| BC: 107 lb Conc. Load at 4.21              | BC: 186 lb Conc. Load at 7.03           |

#### Wind

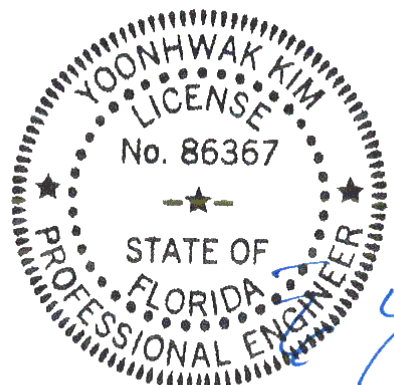
Wind loads and reactions based on MWFRS.

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4'-7.5".

Provide (3) 16d common 0.162"x3.5", toe-nails at TC.  
Provide (3) 16d common 0.162"x3.5", toe-nails at BC.

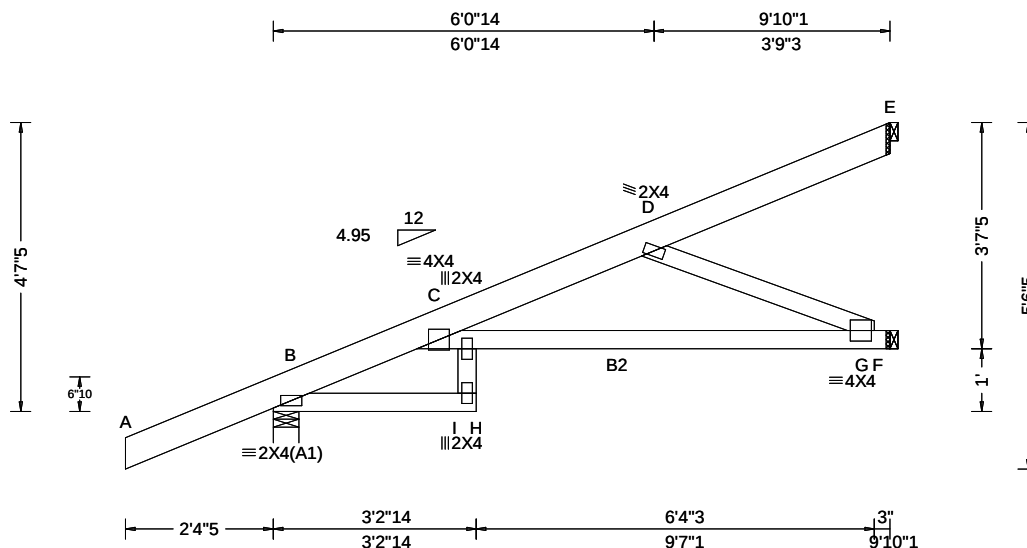


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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344818<br>FROM: CDM | HIP_<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: HJ2 | Cust: R 215 JRef: 1WVe2150007 T22<br>DrwNo: 140.20.1449.06517<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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><br><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.105 H 999 360<br>VERT(CL): 0.197 H 590 240<br>HORZ(LL): 0.038 I - -<br>HORZ(TL): 0.072 I - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.337<br>Max BC CSI: 0.499<br>Max Web CSI: 0.334<br><br>VIEW Ver: 19.02.02B.0122.15 | <b>Gravity</b><br>Loc R+ / R- / Rh / Rw / U / RL<br>B 655 -/- /- /321 -/<br>F 547 -/- /- /112 -/<br>E 122 -/- /- /55 -/<br><b>Non-Gravity</b><br>Wind reactions based on MWFRS<br>B Brg Width = 4.9 Min Req = 1.5<br>F Brg Width = 1.5 Min Req = -<br>E Brg Width = 1.5 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. |

#### Lumber

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

#### Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

|                                            |                                           |
|--------------------------------------------|-------------------------------------------|
| TC: From 62 plf at -2.36 to 62 plf at 1.38 | TC: From 31 plf at 1.38 to 31 plf at 7.03 |
| TC: From 62 plf at 7.03 to 62 plf at 9.84  | BC: From 4 plf at -2.36 to 4 plf at 0.00  |
| BC: From 4 plf at -2.36 to 4 plf at 0.00   | BC: From 10 plf at 0.00 to 10 plf at 7.03 |
| BC: From 10 plf at 0.00 to 10 plf at 7.03  | BC: From 20 plf at 7.03 to 20 plf at 9.84 |
| TC: -55 lb Conc. Load at 1.38              | TC: 128 lb Conc. Load at 4.21             |
| TC: 128 lb Conc. Load at 4.21              | TC: 265 lb Conc. Load at 7.03             |
| TC: 265 lb Conc. Load at 7.03              | BC: 20 lb Conc. Load at 1.38              |
| BC: 20 lb Conc. Load at 1.38               | BC: 86 lb Conc. Load at 4.21              |
| BC: 86 lb Conc. Load at 4.21               | BC: 163 lb Conc. Load at 7.03             |

#### Wind

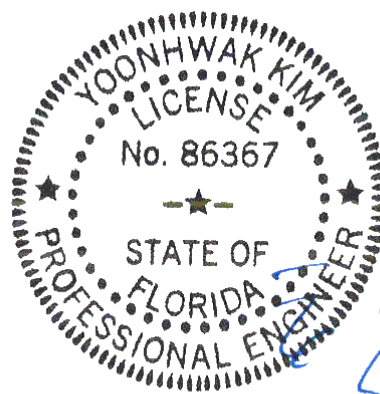
Wind loads and reactions based on MWFRS.

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4'-7.5".

Provide (3) 16d common 0.162"x3.5", toe-nails at TC.  
Provide hanger or special connection at BC.

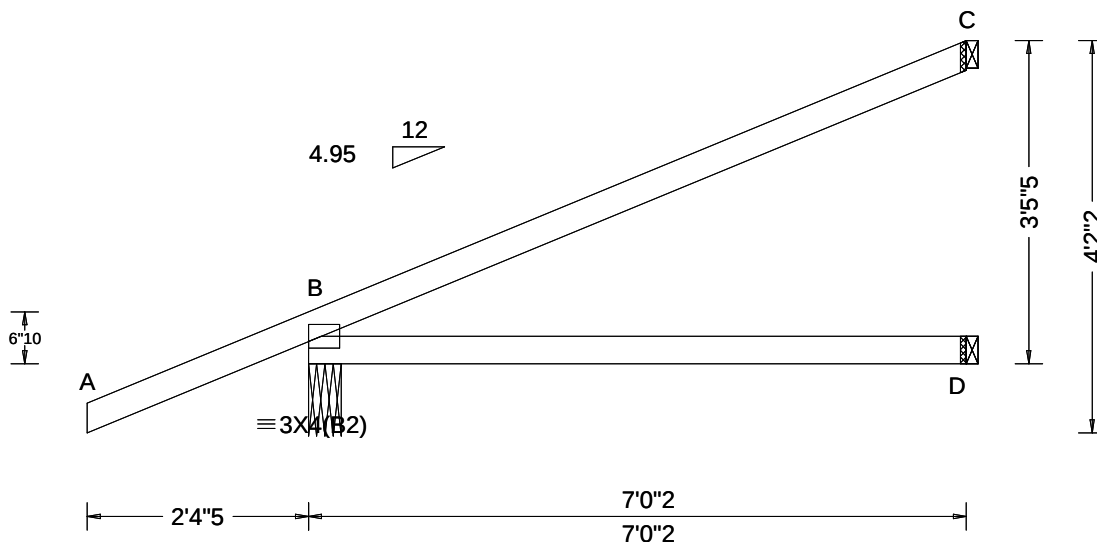


FL REG# 278, Yoonhwak Kim, FL PE #86367  
05/19/2020

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**\*\*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.  
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 this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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|                           |      |                  |                                                    |                                                                                 |
|---------------------------|------|------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 344697<br>FROM: CDM | HIP_ | Ply: 1<br>Qty: 2 | Job Number: 20-4261<br>Goodrum<br>Truss Label: HJ3 | Cust: R 215 JRef: 1WVe2150007 T6<br>DrwNo: 140.20.1449.09527<br>/ YK 05/19/2020 |
|---------------------------|------|------------------|----------------------------------------------------|---------------------------------------------------------------------------------|



| 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 7-10<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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): NA<br>VERT(CL): NA<br>HORZ(LL): -0.009 D - -<br>HORZ(TL): 0.012 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.526<br>Max BC CSI: 0.528<br>Max Web CSI: 0.000<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 290 /- /- /- /176 /-<br>D 130 /- /- /- /7 /-<br>C 73 /- /- /- /47 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 4.2 Min Req = 1.5<br>D Brg Width = 1.5 Min Req = -<br>C Brg Width = 1.5 Min Req = -<br>Bearing B is a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

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

#### Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From 0 plf at -2.36 to 62 plf at 0.00  
TC: From 2 plf at 0.00 to 2 plf at 7.01  
BC: From 0 plf at -2.36 to 4 plf at 0.00  
BC: From 2 plf at 0.00 to 2 plf at 7.01  
TC: -55 lb Conc. Load at 1.38  
TC: 124 lb Conc. Load at 4.21  
BC: 20 lb Conc. Load at 1.38  
BC: 107 lb Conc. Load at 4.21

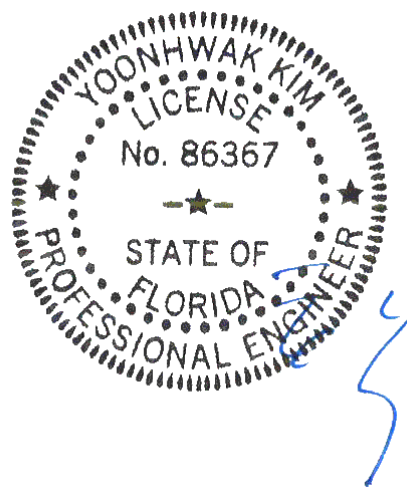
#### Wind

Wind loads and reactions based on MWFRS.

#### Additional Notes

Refer to General Notes for additional information

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



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05/19/2020

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

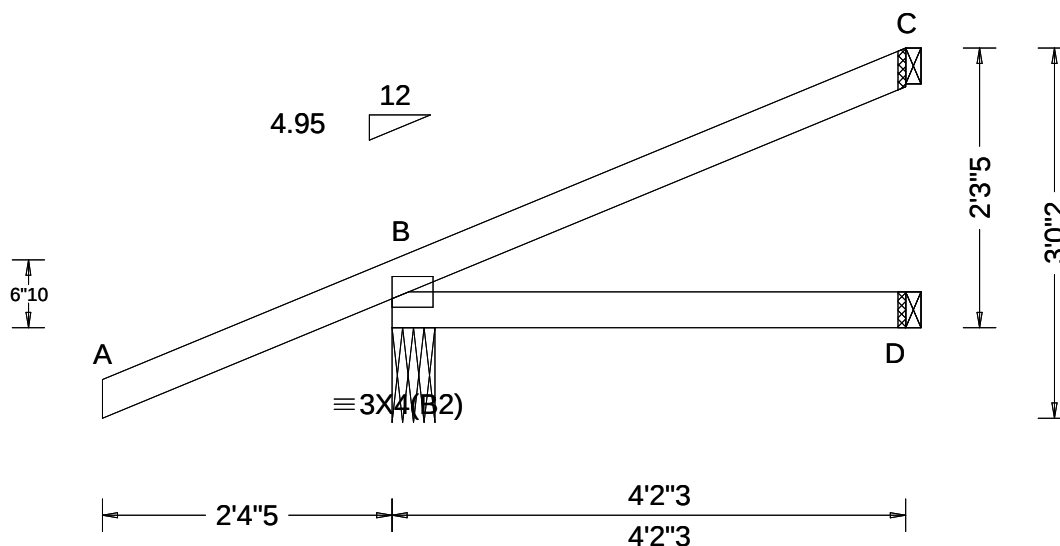
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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|                           |      |                  |                                                    |                                                                                  |
|---------------------------|------|------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344699<br>FROM: CDM | HIP_ | Ply: 1<br>Qty: 2 | Job Number: 20-4261<br>Goodrum<br>Truss Label: HJ4 | Cust: R 215 JRef: 1WVe2150007 T45<br>DrwNo: 140.20.1449.10903<br>/ YK 05/19/2020 |
|---------------------------|------|------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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><br><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): NA<br>VERT(CL): NA<br>HORZ(LL): -0.003 D - -<br>HORZ(TL): 0.004 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.192<br>Max BC CSI: 0.172<br>Max Web CSI: 0.000<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 211 /- /- /- /137 /-<br>D 74 /- /- /- /9 /-<br>C 34 /-21 /- /- /31 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 4.2 Min Req = 1.5<br>D Brg Width = 1.5 Min Req = -<br>C Brg Width = 1.5 Min Req = -<br>Bearing B is a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

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

#### Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From -0 plf at -2.36 to 62 plf at 0.00  
TC: From 2 plf at 0.00 to 2 plf at 4.18  
BC: From 0 plf at -2.36 to 4 plf at 0.00  
BC: From 2 plf at 0.00 to 2 plf at 4.18  
TC: -55 lb Conc. Load at 1.38  
BC: 20 lb Conc. Load at 1.38

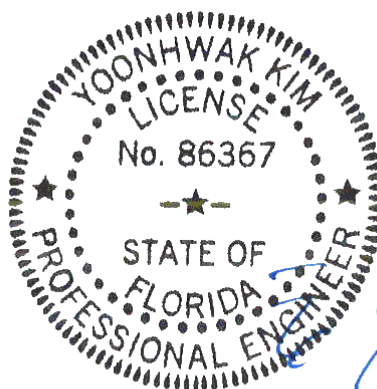
#### Wind

Wind loads and reactions based on MWFRS.

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2'-3"-5".



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05/19/2020

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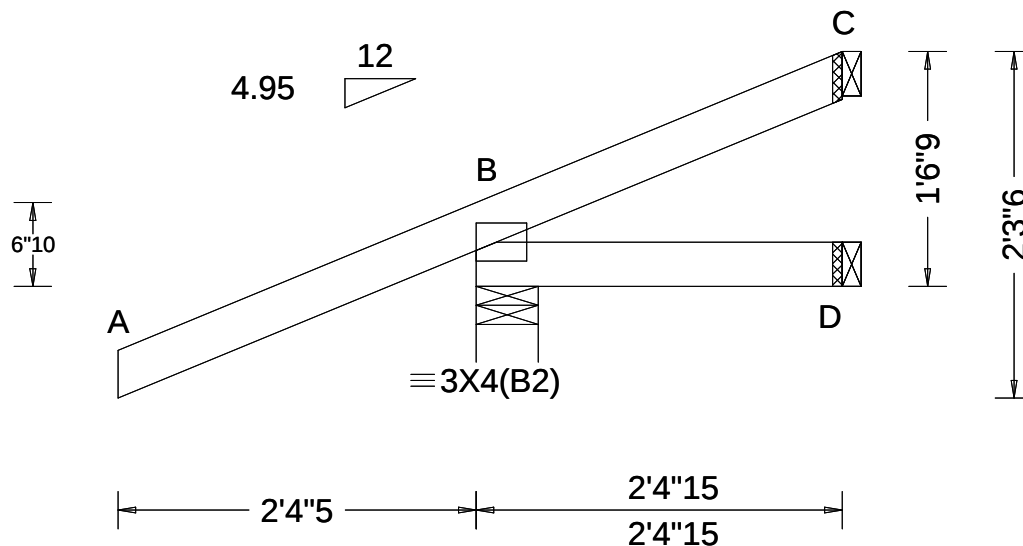
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|                           |      |                  |                                                    |                                                                                 |
|---------------------------|------|------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 344658<br>FROM: CDM | HIP_ | Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: HJ5 | Cust: R 215 JRef: 1WVe2150007 T7<br>DrwNo: 140.20.1449.13630<br>/ YK 05/19/2020 |
|---------------------------|------|------------------|----------------------------------------------------|---------------------------------------------------------------------------------|



| 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 7-10<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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): NA<br>VERT(CL): NA<br>HORZ(LL): -0.001 C - -<br>HORZ(TL): 0.002 C - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.177<br>Max BC CSI: 0.043<br>Max Web CSI: 0.000<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh<br>Non-Gravity<br>/ Rw / U / RL<br>B 170 /- /- /- /37 /-<br>D 38 /-4 /- /4 /- /-<br>C 1 /-19 /- /9 /- /-<br>Wind reactions based on MWFRS<br>B Brg Width = 4.9 Min Req = 1.5<br>D Brg Width = 1.5 Min Req = -<br>C Brg Width = 1.5 Min Req = -<br>Bearing B is a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

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

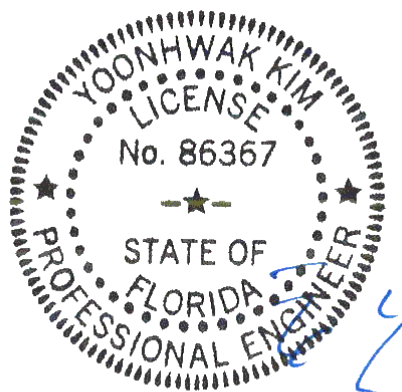
#### Wind

Wind loads and reactions based on MWFRS.

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 16'-9".



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05/19/2020

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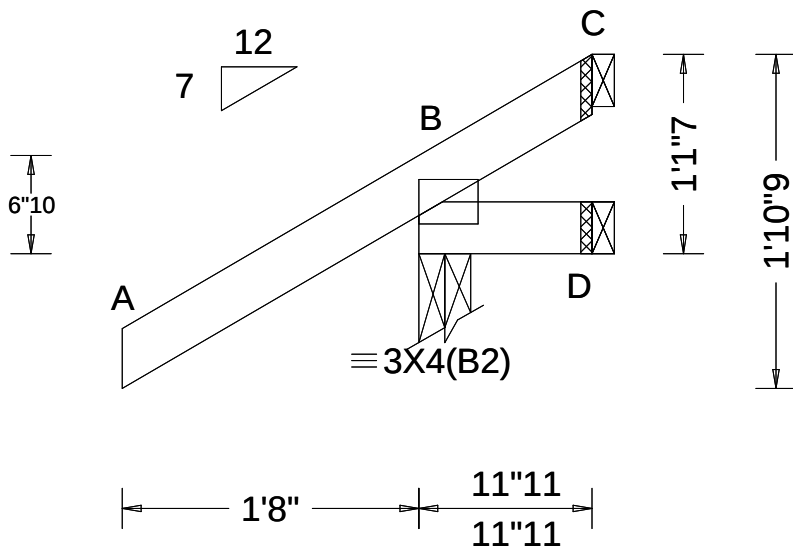
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|                           |                           |                                                   |                                                                                 |
|---------------------------|---------------------------|---------------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 344660<br>FROM: CDM | JACK<br>Ply: 1<br>Qty: 14 | Job Number: 20-4261<br>Goodrum<br>Truss Label: J1 | Cust: R 215 JRef: 1WVe2150007 T4<br>DrwNo: 140.20.1449.16230<br>/ YK 05/19/2020 |
|---------------------------|---------------------------|---------------------------------------------------|---------------------------------------------------------------------------------|



| 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 7-10<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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): NA<br>VERT(CL): NA<br>HORZ(LL): -0.001 C - -<br>HORZ(TL): 0.002 C - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.227<br>Max BC CSI: 0.032<br>Max Web CSI: 0.000<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 269 /- /- /216 /66 /43<br>D 10 /-10 /- /15 /11 /-<br>C - /-65 /- /35 /67 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>D Brg Width = 1.5 Min Req = -<br>C Brg Width = 1.5 Min Req = -<br>Bearing B is a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

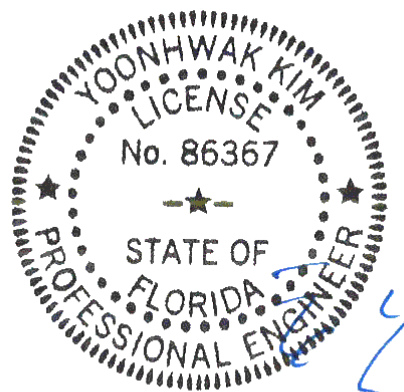
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 11'-10".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
05/19/2020

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

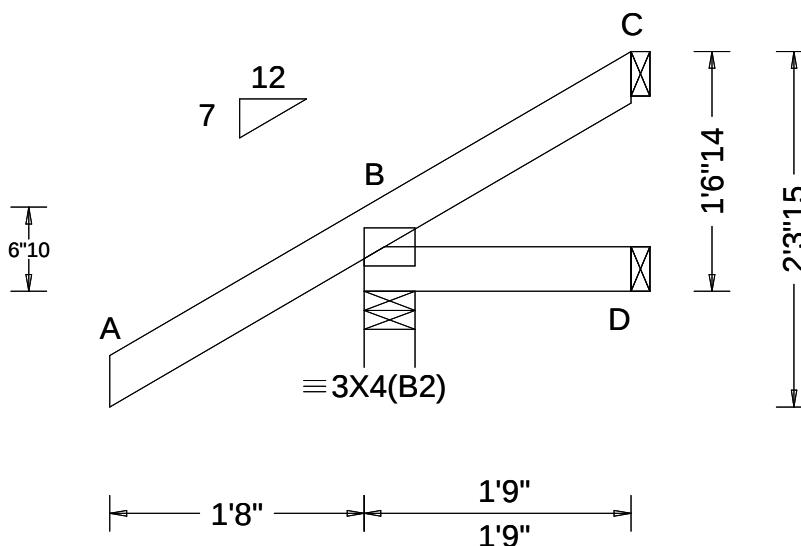
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Suite 305  
Orlando FL, 32821

|                           |                          |                                                    |                                                                                 |
|---------------------------|--------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 344654<br>FROM: CDM | EJAC<br>Ply: 1<br>Qty: 7 | Job Number: 20-4261<br>Goodrum<br>Truss Label: J1A | Cust: R 215 JRef: 1WVe2150007 T8<br>DrwNo: 140.20.1449.18410<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|



| 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 7-10<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/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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): NA<br>VERT(CL): NA<br>HORZ(LL): -0.001 C - -<br>HORZ(TL): 0.002 C - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.227<br>Max BC CSI: 0.038<br>Max Web CSI: 0.000<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 249 /- /- /192 /46 /56<br>D 28 /- /- /24 /5 /-<br>C 4 /- /- /21 /17 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 4.0 Min Req = 1.5<br>D Brg Width = 1.5 Min Req = -<br>C Brg Width = 1.5 Min Req = -<br>Bearing B is a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

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

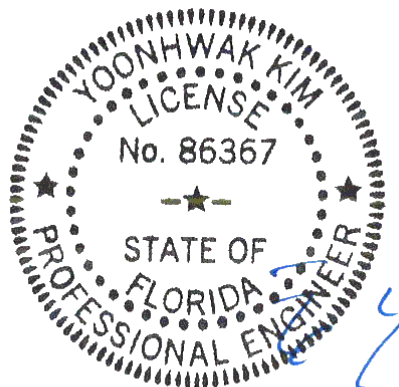
#### Wind

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

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-6-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
05/19/2020

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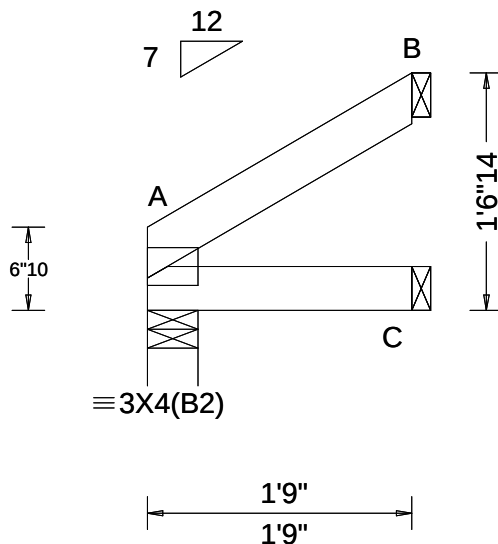
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|                           |                          |                                                    |                                                                                 |
|---------------------------|--------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 344670<br>FROM: CDM | EJAC<br>Ply: 1<br>Qty: 1 | Job Number: 20-4261<br>Goodrum<br>Truss Label: J1B | Cust: R 215 JRef: 1WVe2150007 T9<br>DrwNo: 140.20.1449.20217<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|



| 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 7-10<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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): NA<br>VERT(CL): NA<br>HORZ(LL): 0.000 C - -<br>HORZ(TL): 0.000 C - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.043<br>Max BC CSI: 0.030<br>Max Web CSI: 0.000<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>A 76 /- /- /48 /- /19<br>C 33 /- /- /23 /- /-<br>B 51 /- /- /27 /13 /-<br>Wind reactions based on MWFRS<br>A Brg Width = 4.0 Min Req = 1.5<br>C Brg Width = 1.5 Min Req = -<br>B Brg Width = 1.5 Min Req = -<br>Bearing A is a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

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

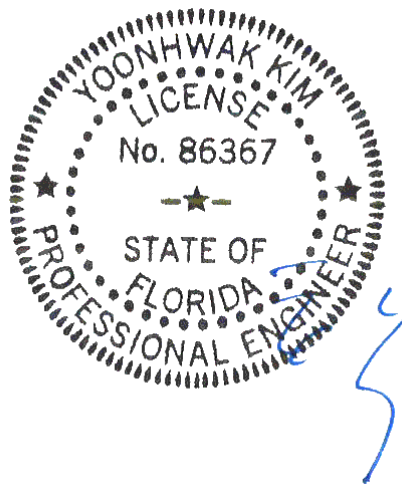
#### Wind

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

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-6-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
05/19/2020

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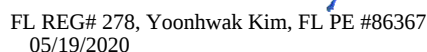
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[illegible]

|                       |  |  |  |  |
|-----------------------|--|--|--|--|
| <b>Lumber</b>         |  |  |  |  |
| Top chord: 2x4 SP #2; |  |  |  |  |
| Bot chord: 2x4 SP #2; |  |  |  |  |
| Webs: 2x4 SP #3;      |  |  |  |  |

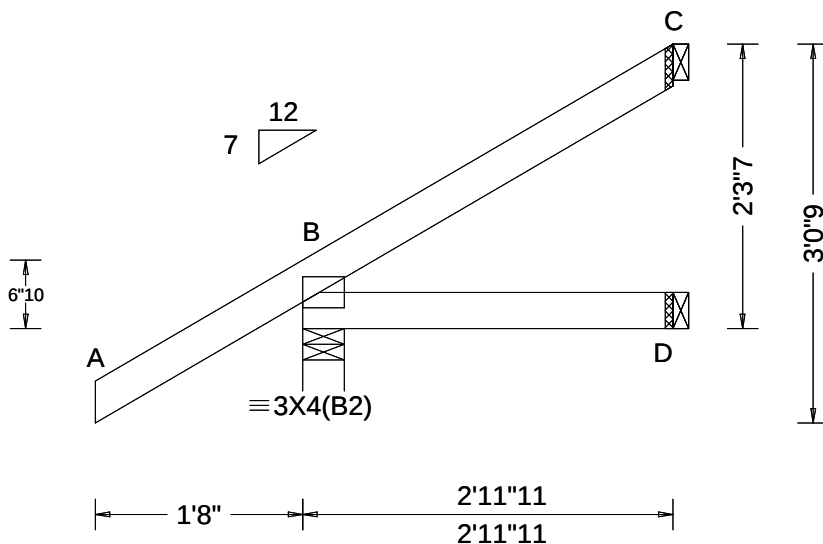
Wind loads based on MWFRS with additional C&C member design.

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 2-3-7.



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|                           |                          |                                                   |                                                                                 |
|---------------------------|--------------------------|---------------------------------------------------|---------------------------------------------------------------------------------|
| SEQN: 344661<br>FROM: CDM | JACK<br>Ply: 1<br>Qty: 8 | Job Number: 20-4261<br>Goodrum<br>Truss Label: J3 | Cust: R 215 JRef: 1WVe2150007 T3<br>DrwNo: 140.20.1449.25000<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|---------------------------------------------------|---------------------------------------------------------------------------------|



| 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 7-10<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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): NA<br>VERT(CL): NA<br>HORZ(LL): -0.001 C - -<br>HORZ(TL): 0.001 C - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.227<br>Max BC CSI: 0.086<br>Max Web CSI: 0.000<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 274 /- /- /203 /40 /76<br>D 53 /- /- /40 /- /-<br>C 62 /- /- /26 /30 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 4.0 Min Req = 1.5<br>D Brg Width = 1.5 Min Req = -<br>C Brg Width = 1.5 Min Req = -<br>Bearing B is a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

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

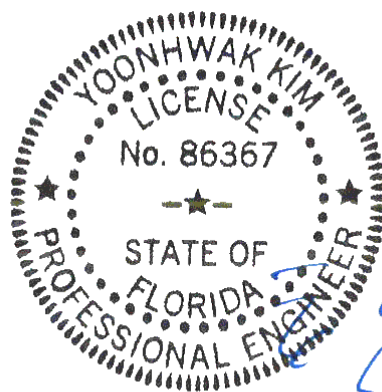
#### Wind

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

#### Additional Notes

Refer to General Notes for additional information

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
05/19/2020

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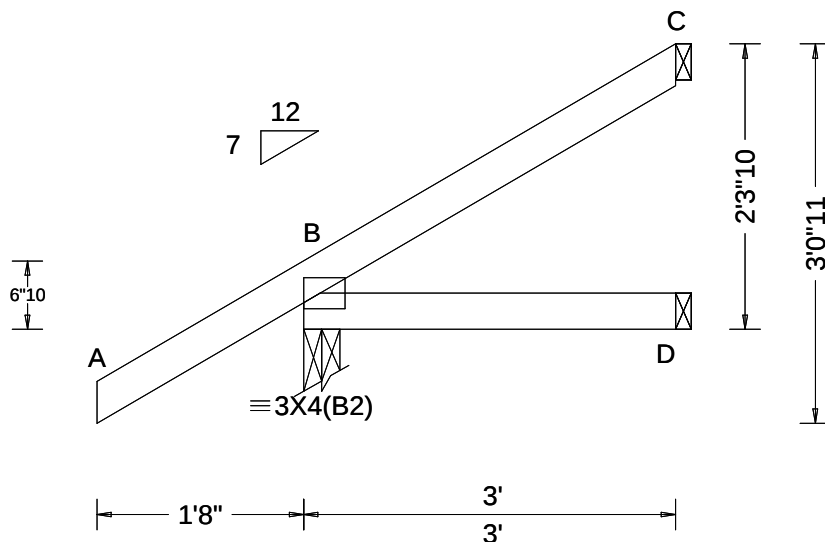
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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344657<br>FROM: CDM | EJAC<br>Ply: 1<br>Qty: 3 | Job Number: 20-4261<br>Goodrum<br>Truss Label: J3A | Cust: R 215 JRef: 1WVe2150007 T44<br>DrwNo: 140.20.1449.26067<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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><br><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): NA<br>VERT(CL): NA<br>HORZ(LL): -0.001 C - -<br>HORZ(TL): 0.001 C - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.227<br>Max BC CSI: 0.088<br>Max Web CSI: 0.000<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 275 /- /- /204 /40 /77<br>D 54 /- /- /40 /- /-<br>C 63 /- /- /27 /31 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 3.5 Min Req = 1.5<br>D Brg Width = 1.5 Min Req = -<br>C Brg Width = 1.5 Min Req = -<br>Bearing B is a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

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

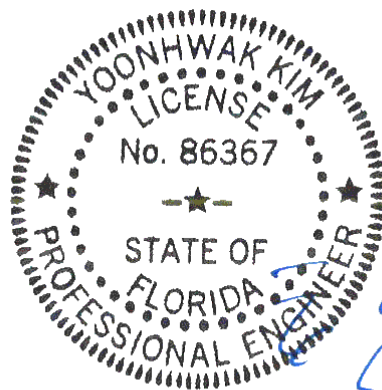
#### Wind

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

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2-3-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
05/19/2020

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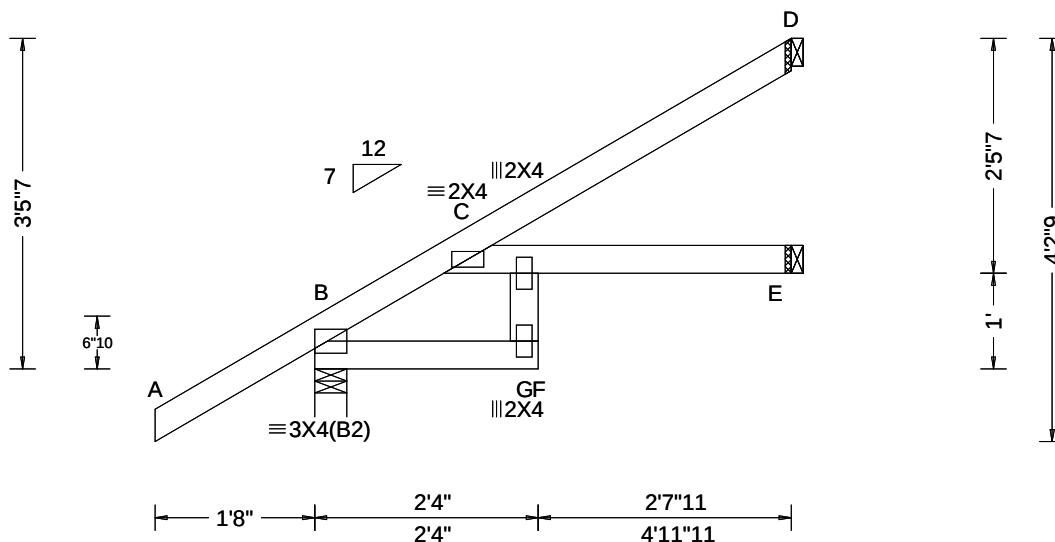
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|---------------------------|--------------------------|---------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344813<br>FROM: CDM | JACK<br>Ply: 1<br>Qty: 2 | Job Number: 20-4261<br>Goodrum<br>Truss Label: J4 | Cust: R 215 JRef: 1WVe2150007 T24<br>DrwNo: 140.20.1449.28160<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|---------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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><br><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.037 F 999 360<br>VERT(CL): 0.074 F 797 240<br>HORZ(LL): 0.023 G - -<br>HORZ(TL): 0.045 G - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.350<br>Max BC CSI: 0.206<br>Max Web CSI: 0.127<br><br>VIEW Ver: 19.02.02B.0122.15 | <b>Gravity</b><br>Loc R+ / R- / Rh / Rw / U / RL<br>B 343 /- /- /245 /40 /110<br>E 82 /- /- /58 /1 /-<br>D 132 /- /- /71 /53 /-<br><b>Non-Gravity</b><br>Wind reactions based on MWFRS<br>B Brg Width = 4.0 Min Req = 1.5<br>E Brg Width = 1.5 Min Req = -<br>D Brg Width = 1.5 Min Req = -<br>Bearing B is a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

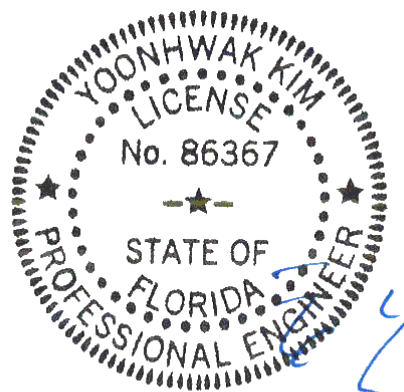
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### Wind

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

#### Additional Notes

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 3-5-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
05/19/2020

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

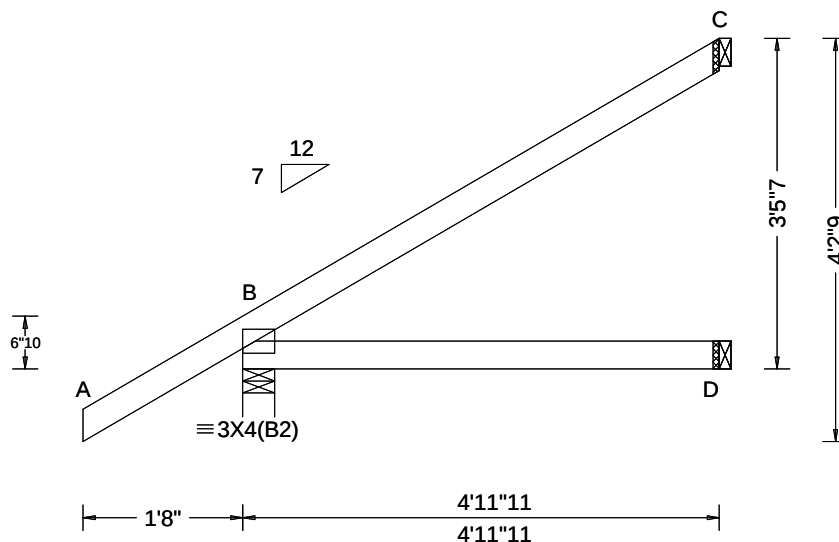
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|                           |                          |                                                   |                                                                                  |
|---------------------------|--------------------------|---------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344650<br>FROM: CDM | JACK<br>Ply: 1<br>Qty: 4 | Job Number: 20-4261<br>Goodrum<br>Truss Label: J5 | Cust: R 215 JRef: 1WVe2150007 T50<br>DrwNo: 140.20.1449.29490<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|---------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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><br><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): NA<br>VERT(CL): NA<br>HORZ(LL): 0.003 D - -<br>HORZ(TL): 0.005 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.337<br>Max BC CSI: 0.268<br>Max Web CSI: 0.000<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>B 343 /- /- /245 /40 /110<br>D 93 /- /- /65 /- /-<br>C 132 /- /- /65 /58 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 4.0 Min Req = 1.5<br>D Brg Width = 1.5 Min Req = -<br>C Brg Width = 1.5 Min Req = -<br>Bearing B is a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

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

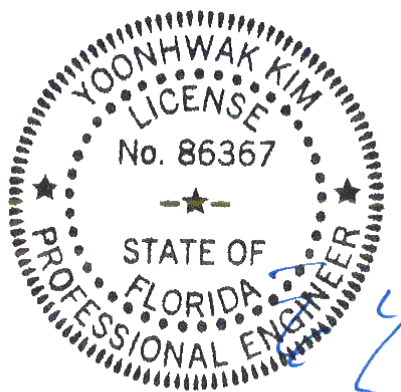
#### Wind

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

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-5-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
05/19/2020

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The diagram shows a frame structure with the following dimensions and features:

- A horizontal dimension of  $1'8''$  from point A to the vertical member.
- A vertical dimension of  $6'10''$  from the base to point B.
- A horizontal dimension of  $5'$  from the vertical member to point D.
- A vertical dimension of  $3'5'10''$  from the base to point C.
- A total vertical dimension of  $4'2'11''$  from the base to point C.
- A slope triangle with a vertical side of 7 and a horizontal side of 12.
- A support at point B labeled  $\equiv 3 \times 4 (B2)$ .
- Points A, B, C, and D are labeled at the corners of the frame.

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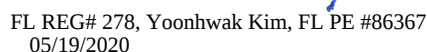
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Suite 305  
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|                       |  |  |  |  |
|-----------------------|--|--|--|--|
| <b>Lumber</b>         |  |  |  |  |
| Top chord: 2x4 SP #2; |  |  |  |  |
| Bot chord: 2x4 SP #2; |  |  |  |  |
| Webs: 2x4 SP #3;      |  |  |  |  |

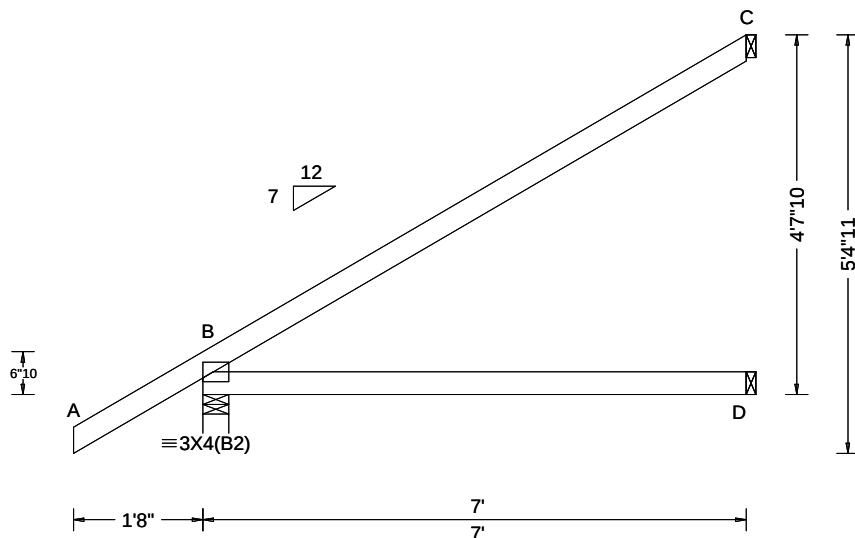
Wind loads based on MWFRS with additional C&C member design.

Refer to General Notes for additional information  
The overall height of this truss excluding overhang is 4-7-10.



**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
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|                           |                           |                                                   |                                                                                  |
|---------------------------|---------------------------|---------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344653<br>FROM: CDM | EJAC<br>Ply: 1<br>Qty: 17 | Job Number: 20-4261<br>Goodrum<br>Truss Label: J7 | Cust: R 215 JRef: 1WVe2150007 T23<br>DrwNo: 140.20.1449.35147<br>/ YK 05/19/2020 |
|---------------------------|---------------------------|---------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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/2 to h<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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): NA<br>VERT(CL): NA<br>HORZ(LL): 0.011 D - -<br>HORZ(TL): 0.021 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.781<br>Max BC CSI: 0.547<br>Max Web CSI: 0.000<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh<br>Non-Gravity<br>/ Rw / U / RL<br>B 421 /- /- /295 /42 /144<br>D 133 /- /- /91 /- /-<br>C 196 /- /- /100 /83 /-<br>Wind reactions based on MWFRS<br>B Brg Width = 4.0 Min Req = 1.5<br>D Brg Width = 1.5 Min Req = -<br>C Brg Width = 1.5 Min Req = -<br>Bearing B is a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

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

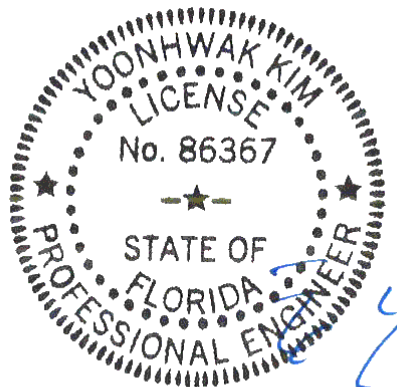
#### Wind

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

#### Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4'-7"-10".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
05/19/2020

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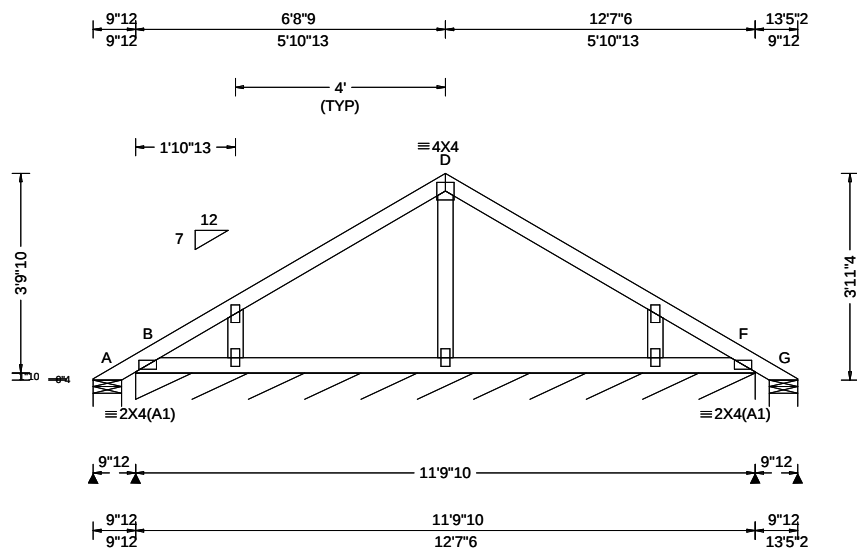
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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344656<br>FROM: CDM | GABL<br>Ply: 1<br>Qty: 9 | Job Number: 20-4261<br>Goodrum<br>Truss Label: P01 | Cust: R 215 JRef: 1WVe2150007 T25<br>DrwNo: 140.20.1449.39183<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.50 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 13.00 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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): 0.001 D 999 360<br>VERT(CL): 0.001 D 999 240<br>HORZ(LL): 0.001 E - -<br>HORZ(TL): 0.001 E - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.205<br>Max BC CSI: 0.054<br>Max Web CSI: 0.053<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>A 32 /- /- /60 /42 /103<br>B* 68 /- /- /43 /0 /-<br>G 32 /- /- /21 /3 /-<br>Wind reactions based on MWFRS<br>A Brg Width = 6.5 Min Req = 1.5<br>B Brg Width = 141 Min Req = -<br>G Brg Width = 6.5 Min Req = 1.5<br>Bearings A, B, & G 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 except as noted.

#### Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

#### Purlins

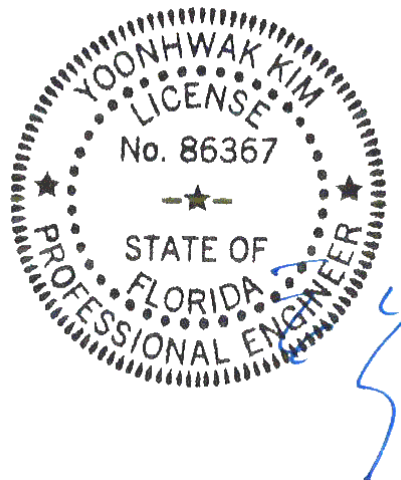
In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

#### Wind

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

#### Additional Notes

Refer to General Notes for additional information  
See DWGS A14030ENC101014 & GBLETIN0118 for gable wind bracing and other requirements.  
Refer to DWG PB160101014 for piggyback details.  
The overall height of this truss excluding overhang is 13'-2-14".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
05/19/2020

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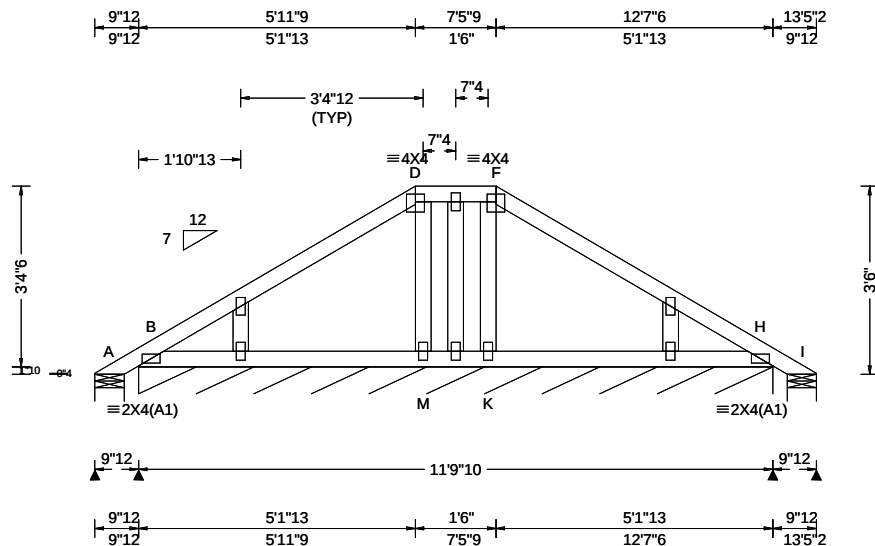
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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344863<br>FROM: CDM | GABL<br>Ply: 1<br>Qty: 2 | Job Number: 20-4261<br>Goodrum<br>Truss Label: P02 | Cust: R 215 JRef: 1WVe2150007 T58<br>DrwNo: 140.20.1449.43490<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.28 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 13.00 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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 999 360<br>VERT(CL): 0.001 F 999 240<br>HORZ(LL): 0.001 G - -<br>HORZ(TL): 0.001 G - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.133<br>Max BC CSI: 0.034<br>Max Web CSI: 0.037<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>A 24 /- /- /54 /39 /92<br>B* 69 /- /- /43 /1 /-<br>I 24 /- /- /17 /2 /-<br>Wind reactions based on MWFRS<br>A Brg Width = 6.5 Min Req = 1.5<br>B Brg Width = 141 Min Req = -<br>I Brg Width = 6.5 Min Req = 1.5<br>Bearings A, B, & I 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 except as noted.

#### Loading

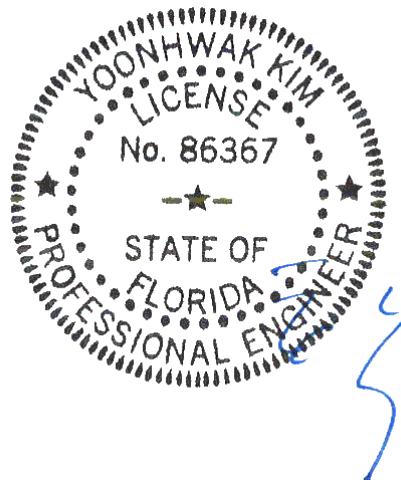
Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

#### Wind

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

#### Additional Notes

Refer to General Notes for additional information  
See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.  
Refer to DWG PB160101014 for piggyback details.  
The overall height of this truss excluding overhang is 12-9-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
05/19/2020

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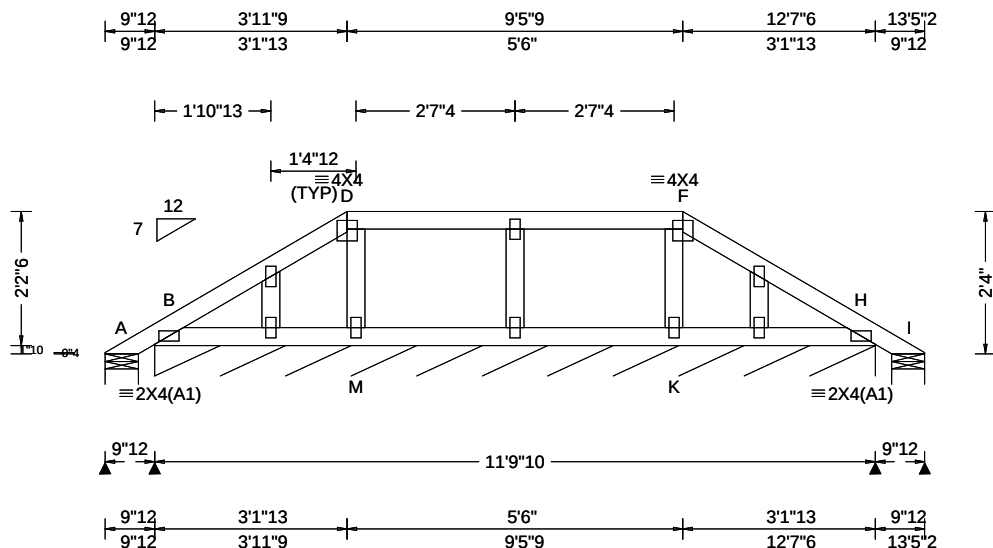
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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344866<br>FROM: CDM | GABL<br>Ply: 1<br>Qty: 2 | Job Number: 20-4261<br>Goodrum<br>Truss Label: P03 | Cust: R 215 JRef: 1WVe2150007 T18<br>DrwNo: 140.20.1449.46097<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 19.57 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: 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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 E 999 360<br>VERT(CL): 0.001 E 999 240<br>HORZ(LL): 0.001 J - -<br>HORZ(TL): 0.001 J - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.107<br>Max BC CSI: 0.031<br>Max Web CSI: 0.041<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>A 12 /- /- /39 /28 /59<br>B* 71 /- /- /47 /28 /-<br>I 12 /- /- /13 /5 /-<br>Wind reactions based on MWFRS<br>A Brg Width = 6.5 Min Req = 1.5<br>B Brg Width = 141 Min Req = -<br>I Brg Width = 6.5 Min Req = 1.5<br>Bearings A, B, & I 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 except as noted.

#### Loading

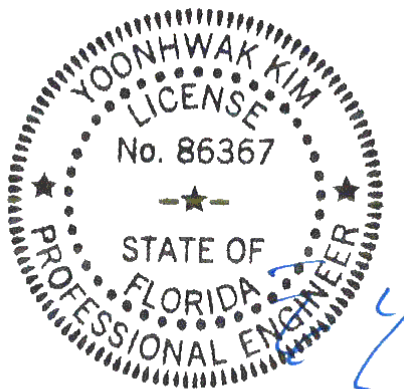
Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

#### Wind

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

#### Additional Notes

Refer to General Notes for additional information  
See DWGS A14030ENC101014 & GBLETTIN0118 for gable wind bracing and other requirements.  
Refer to DWG PB160101014 for piggyback details.  
The overall height of this truss excluding overhang is 11-7-10.



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05/19/2020

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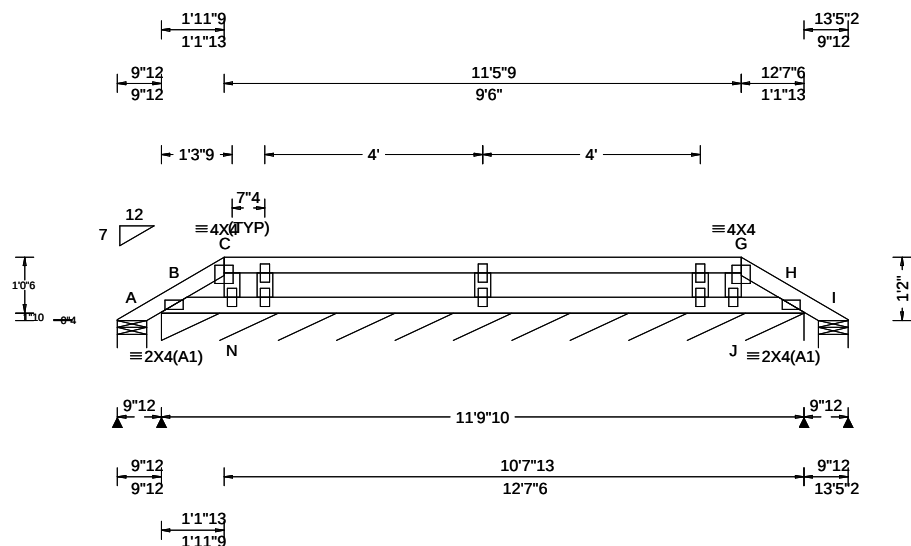
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|                           |                          |                                                    |                                                                                  |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| SEQN: 344869<br>FROM: CDM | GABL<br>Ply: 1<br>Qty: 2 | Job Number: 20-4261<br>Goodrum<br>Truss Label: P04 | Cust: R 215 JRef: 1WVe2150007 T59<br>DrwNo: 140.20.1449.50940<br>/ YK 05/19/2020 |
|---------------------------|--------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|



| 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 7-10<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>Loc. from endwall: not in 13.00 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><b>Code / Misc Criteria</b><br>Bldg Code: FBC 2017 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 E 999 360<br>VERT(CL): 0.000 E 999 240<br>HORZ(LL): 0.000 J - -<br>HORZ(TL): 0.000 J - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.182<br>Max BC CSI: 0.059<br>Max Web CSI: 0.049<br><br>VIEW Ver: 19.02.02B.0122.15 | Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>Non-Gravity<br>Loc R+ / R- / Rh / Rw / U / RL<br>A 19 /- /- /20 /7 /27<br>B* 70 /- /- /38 /8 /-<br>I 19 /- /- /16 /2 /-<br>Wind reactions based on MWFRS<br>A Brg Width = 6.5 Min Req = 1.5<br>B Brg Width = 141 Min Req = -<br>I Brg Width = 6.5 Min Req = 1.5<br>Bearings A, B, & I 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 except as noted.

#### Loading

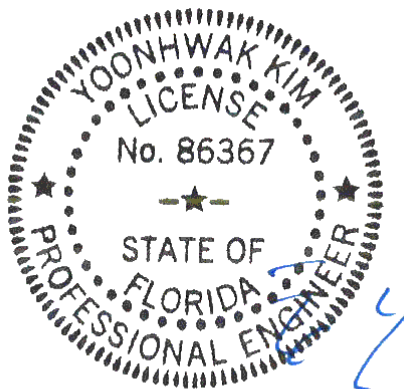
Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

#### Wind

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

#### Additional Notes

Refer to General Notes for additional information  
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.  
Refer to DWG PB160101014 for piggyback details.  
The overall height of this truss excluding overhang is 10-5-10.



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05/19/2020

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# CLR Reinforcing Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired.

## Notes:

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforcement or scab reinforcement.

Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

Use scabs instead of L- or T- reinforcement on webs with intersecting truss joints, such as K-web joints, that may interfere with proper application along the narrow face of the web.

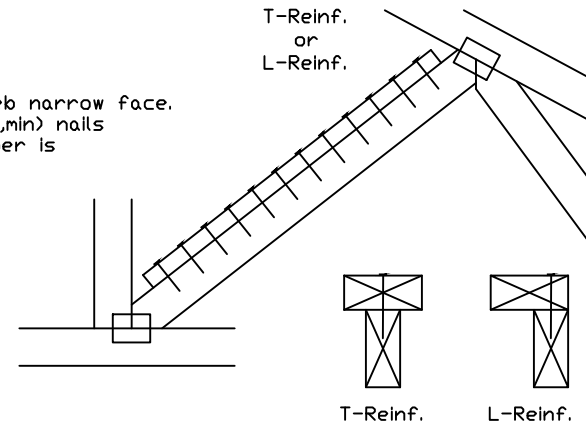
| Web Member Size | Specified CLR Restraint | Alternative Reinforcement T- or L- Reinf. | Scab Reinf. |
|-----------------|-------------------------|-------------------------------------------|-------------|
| 2x3 or 2x4      | 1 row                   | 2x4                                       | 1-2x4       |
| 2x3 or 2x4      | 2 rows                  | 2x6                                       | 2-2x4       |
| 2x6             | 1 row                   | 2x4                                       | 1-2x6       |
| 2x6             | 2 rows                  | 2x6                                       | 2-2x4(*)    |
| 2x8             | 1 row                   | 2x6                                       | 1-2x8       |
| 2x8             | 2 rows                  | 2x6                                       | 2-2x6(*)    |

T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

(\*) Center scab on wide face of web. Apply (1) scab to each face of web.

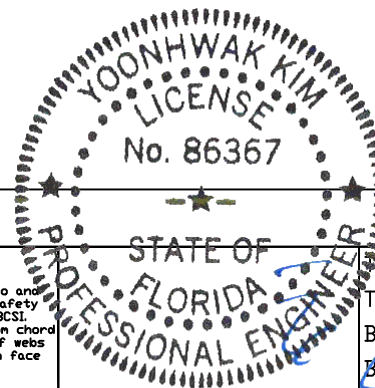
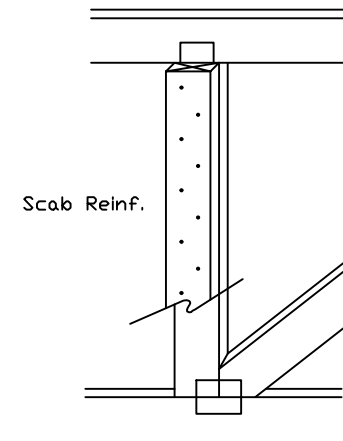
## T-Reinforcement or L-Reinforcement:

Apply to either side of web narrow face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



## Scab Reinforcement:

Apply scab(s) to wide face of web. No more than (1) scab per face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



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|           |     |      |              |
|-----------|-----|------|--------------|
| BC LL     | PSF | REF  | CLR Subst.   |
| TC DL     | PSF | DATE | 01/02/19     |
| BC DL     | PSF | DRWG | BRCLBSUB0119 |
| BC LL     | PSF |      |              |
| TDT, LD.  | PSF |      |              |
| DUR. FAC. |     |      |              |
| SPACING   |     |      |              |

# Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

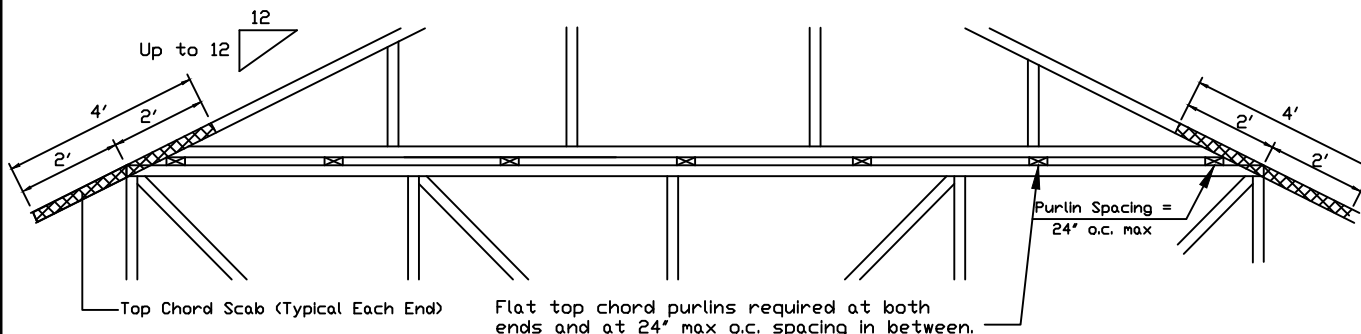
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.00.  
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.00.

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



Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

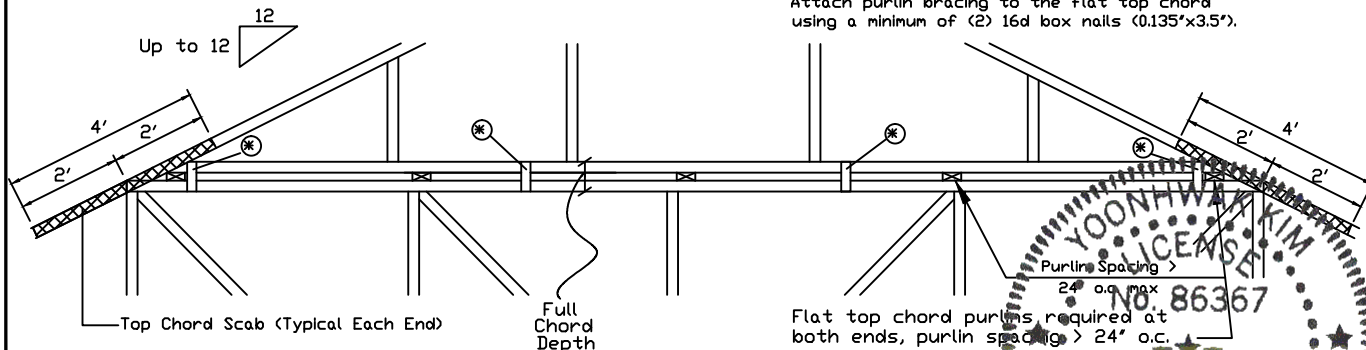
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3X8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

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

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135"x3.5").



Note: If purlins or sheathing are not specified on the flat top of the base truss, purlins must be installed at 24' o.c. max. and use Detail A.

\* 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) 6d common (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.

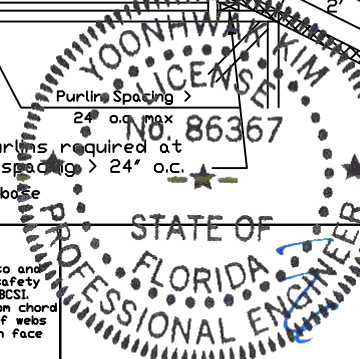
**2x4 Vertical Scabs**  
2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.

**28PB Wave Piggyback Plate**  
One 28PB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback cap truss 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.



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ALPINE: [www.alpineitw.com](http://www.alpineitw.com) TPI: [www.tpinet.org](http://www.tpinet.org) SBCA: [www.sbcindustry.org](http://www.sbcindustry.org) ICC: [www.iccsafe.org](http://www.iccsafe.org)



REF PIGGYBACK  
DATE 10/01/14  
DRWG PB160101014

SPACING 24.0'

# Gable Stud Reinforcement Detail

ASCE 7-10: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 120 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Or: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Or: 100 mph wind speed, 30' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

| Max Gable Vertical Length | 2x4 Gable Vertical |         | Brace    | No Braces | (1) 1x4 'L' Brace * |        | (1) 2x4 'L' Brace * |         | (2) 2x4 'L' Brace ** |         | (1) 2x6 'L' Brace * |         | (2) 2x6 'L' Brace ** |        |
|---------------------------|--------------------|---------|----------|-----------|---------------------|--------|---------------------|---------|----------------------|---------|---------------------|---------|----------------------|--------|
|                           | Spacing            | Species |          |           | Group A             |        | Group B             |         | Group A              |         | Group B             |         | Group A              |        |
|                           |                    |         | Grade    |           |                     |        |                     |         |                      |         |                     |         |                      |        |
| 24" o.c.                  | SPF                | HF      | #1 / #2  | 4' 1"     | 6' 11"              | 7' 2"  | 8' 2"               | 8' 6"   | 9' 9"                | 10' 2"  | 12' 10"             | 13' 4"  | 14' 0"               | 14' 0" |
|                           |                    |         | #3       | 3' 10"    | 6' 2"               | 6' 7"  | 8' 1"               | 8' 5"   | 9' 8"                | 10' 0"  | 12' 8"              | 13' 2"  | 14' 0"               | 14' 0" |
|                           |                    |         | Stud     | 3' 10"    | 6' 2"               | 6' 6"  | 8' 1"               | 8' 5"   | 9' 8"                | 10' 0"  | 12' 8"              | 13' 2"  | 14' 0"               | 14' 0" |
|                           |                    | DFL     | Standard | 3' 10"    | 5' 3"               | 5' 7"  | 7' 0"               | 7' 6"   | 9' 6"                | 10' 0"  | 11' 0"              | 11' 10" | 14' 0"               | 14' 0" |
|                           |                    |         | #1       | 4' 2"     | 7' 0"               | 7' 3"  | 8' 3"               | 8' 7"   | 9' 10"               | 10' 3"  | 13' 0"              | 13' 6"  | 14' 0"               | 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" |
|                           | SP                 | DFL     | #3       | 4' 0"     | 5' 7"               | 5' 11" | 7' 5"               | 7' 11"  | 9' 8"                | 10' 1"  | 11' 7"              | 12' 5"  | 14' 0"               | 14' 0" |
|                           |                    |         | Stud     | 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' 0"  | 13' 11"              | 14' 0" |
|                           |                    | SP      | #1 / #2  | 4' 8"     | 7' 11"              | 8' 3"  | 9' 4"               | 9' 9"   | 11' 2"               | 11' 7"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
|                           |                    |         | #3       | 4' 5"     | 7' 6"               | 8' 3"  | 9' 3"               | 9' 7"   | 11' 0"               | 11' 6"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
|                           |                    |         | Stud     | 4' 5"     | 7' 6"               | 8' 0"  | 9' 3"               | 9' 7"   | 11' 0"               | 11' 6"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
| 16" o.c.                  | SPF                | HF      | Standard | 4' 5"     | 6' 5"               | 6' 10" | 8' 7"               | 9' 2"   | 11' 0"               | 11' 6"  | 13' 6"              | 14' 0"  | 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"               | 14' 0" |
|                           |                    |         | #2       | 4' 8"     | 7' 11"              | 8' 3"  | 9' 4"               | 9' 9"   | 11' 2"               | 11' 7"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
|                           |                    | DFL     | #3       | 4' 7"     | 6' 10"              | 7' 3"  | 9' 1"               | 9' 8"   | 11' 1"               | 11' 6"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
|                           |                    |         | Stud     | 4' 7"     | 6' 10"              | 7' 3"  | 9' 1"               | 9' 8"   | 11' 1"               | 11' 6"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
|                           |                    |         | Standard | 4' 5"     | 6' 0"               | 6' 5"  | 8' 0"               | 8' 7"   | 10' 10"              | 11' 6"  | 12' 7"              | 13' 15" | 14' 0"               | 14' 0" |
|                           | SP                 | DFL     | #1 / #2  | 5' 2"     | 8' 9"               | 9' 1"  | 10' 4"              | 10' 9"  | 11' 2"               | 12' 9"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
|                           |                    |         | #3       | 4' 10"    | 8' 7"               | 8' 11" | 10' 2"              | 10' 7"  | 12' 2"               | 12' 8"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
|                           |                    |         | Stud     | 4' 10"    | 8' 7"               | 8' 11" | 10' 2"              | 10' 7"  | 12' 2"               | 12' 8"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
|                           |                    | SP      | Standard | 4' 10"    | 7' 5"               | 7' 11" | 9' 11"              | 10' 7"  | 12' 2"               | 12' 8"  | 14' 0"              | 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"               | 14' 0" |
|                           |                    |         | #2       | 5' 2"     | 8' 9"               | 9' 1"  | 10' 4"              | 10' 9"  | 11' 2"               | 12' 9"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
| 12" o.c.                  | SPF                | HF      | #3       | 5' 0"     | 7' 10"              | 8' 4"  | 10' 3"              | 10' 8"  | 12' 2"               | 12' 8"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
|                           |                    |         | Stud     | 5' 0"     | 7' 10"              | 8' 4"  | 10' 3"              | 10' 8"  | 12' 2"               | 12' 8"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
|                           |                    |         | Standard | 4' 10"    | 6' 11"              | 7' 4"  | 9' 3"               | 9' 10"  | 12' 2"               | 12' 8"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
|                           | SP                 | DFL     | #1       | 5' 4"     | 8' 10"              | 9' 2"  | 10' 5"              | 10' 10" | 12' 5"               | 12' 11" | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
|                           |                    |         | #2       | 5' 2"     | 8' 9"               | 9' 1"  | 10' 4"              | 10' 9"  | 11' 2"               | 12' 9"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |
|                           |                    |         | #3       | 5' 0"     | 7' 10"              | 8' 4"  | 10' 3"              | 10' 8"  | 12' 2"               | 12' 8"  | 14' 0"              | 14' 0"  | 14' 0"               | 14' 0" |

| Bracing Group Species and Grades: |          |                   |          |
|-----------------------------------|----------|-------------------|----------|
| Group A:                          |          |                   |          |
| Spruce-Pine-Fir                   |          | Hem-Fir           |          |
| #1 / #2                           | Standard | #2                | Stud     |
| #3                                | Stud     | #3                | Standard |
| Douglas Fir-Larch                 |          | Southern Pine**** |          |
| #3                                |          | #3                |          |
| Stud                              |          | Stud              |          |
| Standard                          |          | Standard          |          |
| Group B:                          |          |                   |          |
| Hem-Fir                           |          |                   |          |
| #1 & Btr                          |          |                   |          |
| #1                                |          |                   |          |
| Douglas Fir-Larch                 |          | Southern Pine**** |          |
| #1                                |          | #1                |          |
| #2                                |          | #2                |          |

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 100 plf over continuous bearing (5 psf TC Dead Load).

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

Attach 'L' braces with 10d (0.128"x3.0" min) nails.

\* For (1) 'L' brace: space nails at 2' o.c. in 18" end zones and 4' o.c. between zones.

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

'L' 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       |

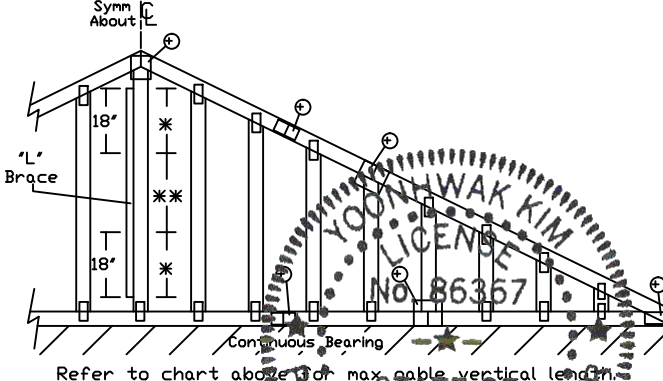
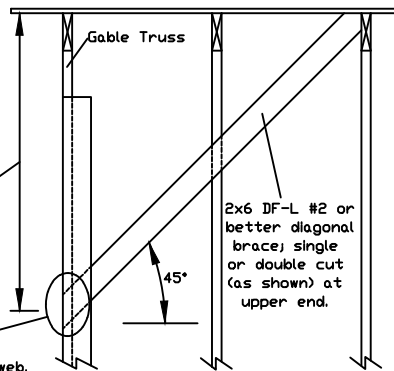
+ Refer to common truss design for peak, splice, and heel plates.

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

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 525# at each end. Max web total length is 14'.

Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.



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Suite 200  
Maryland Heights, MO 63043

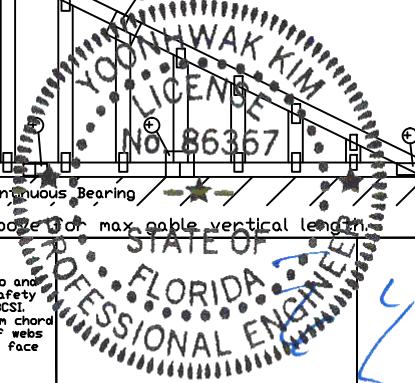
\*\*\*WARNING\*\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING  
\*\*\*IMPORTANT\*\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

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.

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 & 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 this job's general notes page and these web sites:  
ALPINE: www.alpineitw.com TPI: www.tpinet.org SBCA: www.sbcindustry.org ICC: www.iccsafe.org

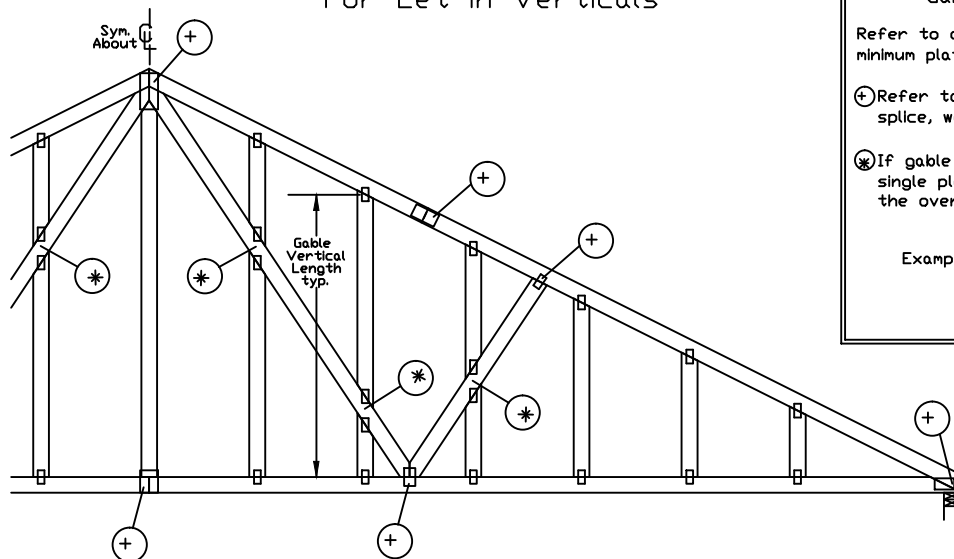


MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-10-GAB14030  
DATE 10/01/14  
DRWG A14030ENC101014

# Gable Detail For Let-in Verticals



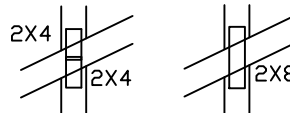
## Gable Truss Plate Sizes

Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

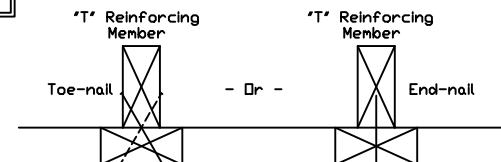
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊗ If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example:



## 'T' Reinforcement Attachment Detail



To convert from 'L' to 'T' reinforcing members, multiply 'T' increase by length (based on appropriate Alpine gable detail).

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.

'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

## Web Length Increase w/ 'T' Brace

| 'T' Reinf. Mbr. Size | 'T' Increase |
|----------------------|--------------|
| 2x4                  | 30 %         |
| 2x6                  | 20 %         |

Example:

ASCE 7-10 Wind Speed = 120 mph

Mean Roof Height = 30 ft, Kzt = 1.00

Gable Vertical = 24' o.c. SP #3

'T' Reinforcing Member Size = 2x4

'T' Brace Increase (From Above) = 30% = 1.30

(1) 2x4 'L' Brace Length = 8' 7"

Maximum 'T' Reinforced Gable Vertical Length  
1.30 x 8' 7" = 11' 2"

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

10d Common (0.148"x 3", min) Nails at 4' o.c. plus

(4) nails in the top and bottom chords.

Toenailed Nails:

10d Common (0.148"x 3", min) Toenails at 4' o.c. plus

(4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

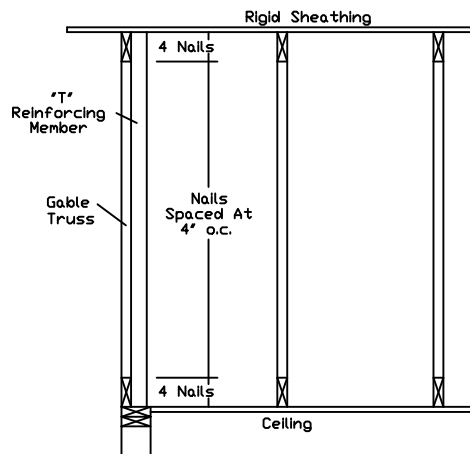
## ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A11015051014, A10015051014, A14015051014,  
A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

## ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

A11515ENC100118, A12015ENC100118, A14015ENC100118, A10015ENC100118,  
A18015ENC100118, A20015ENC100118, A20015END100118, A20015P1M00118,  
A11530ENC100118, A12030ENC100118, A14030ENC100118, A10030ENC100118,  
A18030ENC100118, A20030ENC100118, A20030END100118, A20030P1M00118,  
S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,  
S18015ENC100118, S20015ENC100118, S20015P1D100118, S20015P1M100118,  
S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118,  
S18030ENC100118, S20030ENC100118, S20030P1D100118, S20030P1M100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical length.



\*\*\*WARNING\*\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING  
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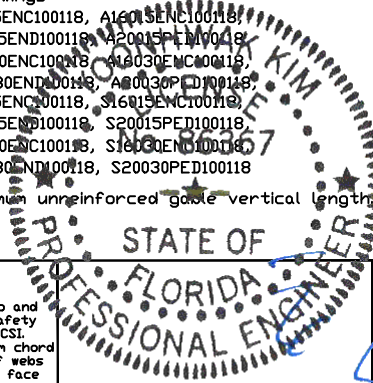
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

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For more information see this Job's general notes page and these web sites: 09/19/2020  
ALPINE: [www.alpineitw.com](http://www.alpineitw.com); TPI: [www.tpinet.org](http://www.tpinet.org); SBCA: [www.sbcaindustry.org](http://www.sbcaindustry.org); ICC: [www.iccsafe.org](http://www.iccsafe.org)



13723 Riverport Drive  
Suite 200  
Maryland Heights, MO 63043



Yoonhwak Kim, FL PE #86367

REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0"

# Gable Stud Reinforcement Detail

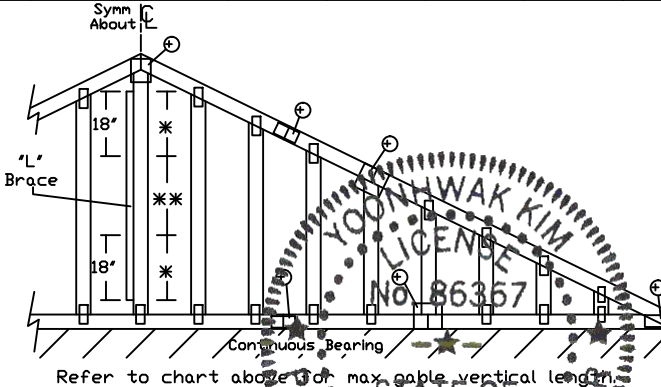
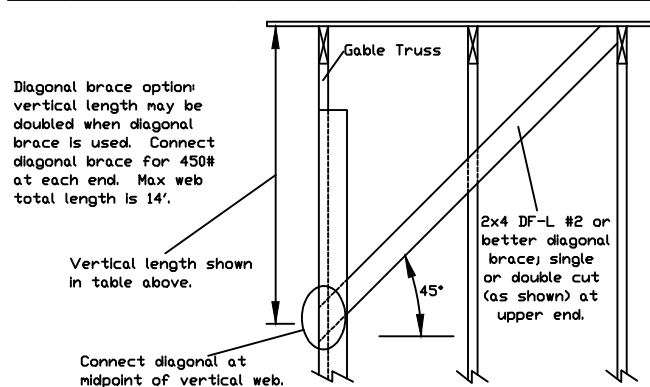
ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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



| Bracing Group Species and Grades: |          |                   |          |
|-----------------------------------|----------|-------------------|----------|
| Group A:                          |          |                   |          |
| Spruce-Pine-Fir                   |          | Hem-Fir           |          |
| #1 / #2                           | Standard | #2                | Stud     |
| #3                                | Stud     | #3                | Standard |
| Douglas Fir-Larch                 |          | Southern Pine**** |          |
| #3                                |          | #3                |          |
| Stud                              |          | Stud              |          |
| Standard                          |          | Standard          |          |
| Group B:                          |          |                   |          |
| Hem-Fir                           |          |                   |          |
| #1 & Btr                          |          |                   |          |
| #1                                |          |                   |          |
| Douglas Fir-Larch                 |          | Southern Pine**** |          |
| #1                                |          | #1                |          |
| #2                                |          | #2                |          |

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 plf over continuous bearing (5 psf TC Dead Load).  
 Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12' plywood overhang.

Attach 'L' braces with 10d (0.128"x3.0" min) nails.  
 \* For (1) 'L' brace: space nails at 2' o.c. in 18" end zones and 4' o.c. between zones.  
 \*\*For (2) 'L' braces: space nails at 3' o.c. in 18" end zones and 6' o.c. between zones.  
 'L' bracing must be a minimum of 80% of web member length.

| 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.

**ALPINE**  
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**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.  
 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 & 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 this job's general notes page and these web sites:  
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Yoonhwak Kim  
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 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

MAX. TOT. LD. 60 PSF  
 MAX. SPACING 24.0"

REF ASCE7-10-GAB14015  
 DATE 10/01/14  
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