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FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999

09/05/2023

| Site Information: | Page 1: |
|--|---------------------|
| Customer: W. B. Howland Company, Inc. | Job Number: 23-9932 |
| Job Description: Schneiders Breezeway/Carport addition | |
| Address: 152 SE SCHNEIDERS GLN, LAKE CITY, FL 32025 | |

| Job Engineering Criteria: |
|------------------------------------|
| Design Code: FBC 7th Ed. 2020 Res. |
| IntelliVIEW Version: 22.02.00 |
| JRef #: 1XSU2150003 |
| Wind Standard: ASCE 7-16 |
| Wind Speed (mph): 130 |
| Design Loading (psf): 40.00 |
| Building Type: Closed |

This package contains general notes pages, 14 truss drawing(s) and 2 detail(s).

| Item | Drawing Number | Truss |
|------|-------------------|-------|
| 1 | 248.23.1120.00203 | A01 |
| 3 | 248.23.1120.17867 | A03 |
| 5 | 248.23.1120.24353 | A05 |
| 7 | 248.23.1120.41140 | B01 |
| 9 | 248.23.1120.54550 | B03 |
| 11 | 248.23.1121.04177 | J01 |
| 13 | 248.23.1121.10110 | J03 |
| 15 | A14015ENC160118 | |

| Item | Drawing Number | Truss |
|------|-------------------|-------|
| 2 | 248.23.1120.14910 | A02 |
| 4 | 248.23.1120.20543 | A04 |
| 6 | 248.23.1120.36490 | A06 |
| 8 | 248.23.1120.43297 | B02 |
| 10 | 248.23.1121.02223 | HJ01 |
| 12 | 248.23.1121.06803 | J02 |
| 14 | 248.23.1121.14637 | J04 |
| 16 | GBLLETIN0118 | |

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.

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.

FRT-PR = ProWood 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 all load cases.

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.

W = Width of non-hanger bearing, in inches.

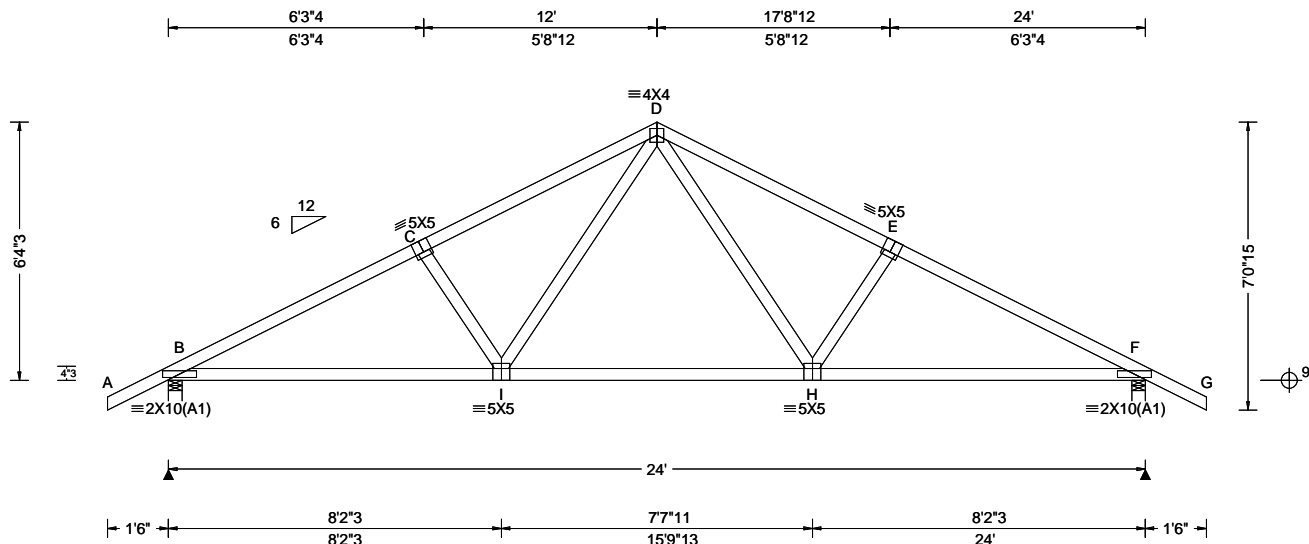
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; www.alpineitw.com.
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcacomponents.com.

| | | | |
|---------------------------|--------------------------|--|---|
| SEQN: 467352 FROM: RFG | COMN Ply: 1 Qty: 2 | Job Number: 23-9932 Schneiders Breezeway/Carport addition Truss Label: A01 | Cust: R 215 JRRef: 1XSU2150003 T7 DrwNo: 248.23.1120.00203 GA / YK 09/05/2023 |
|---------------------------|--------------------------|--|---|



| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg, Pf in PSF) | Defl/CSI Criteria | Maximum Reactions (lbs) |
|---|---|--|--|--|
| TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE | PP Deflection in loc L/defl L/# VERT(LL): 0.068 I 999 240 VERT(CL): 0.131 I 999 180 HORZ(LL): 0.027 F - - HORZ(TL): 0.051 F - - Creep Factor: 2.0 Max TC CSI: 0.338 Max BC CSI: 0.648 Max Web CSI: 0.225 VIEW Ver: 22.02.00.0914.12 | Gravity Loc R+ / R- / Rh / Rw / U / RL B 1141 - / - / - / 654 / 195 / 192 F 1141 - / - / - / 654 / 195 / - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) F Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 706 - 1788 D - E 708 - 1596 C - D 708 - 1596 E - F 706 - 1788 |

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.

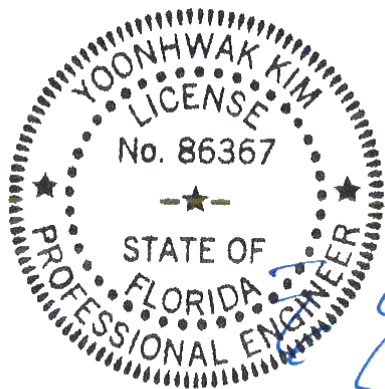
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6'-4.3".



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Maximum Bot Chord Forces Per Ply (lbs)

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| B - I | 1530 - 518 | H - F | 1530 - 494 |
| I - H | 1040 - 244 | | |

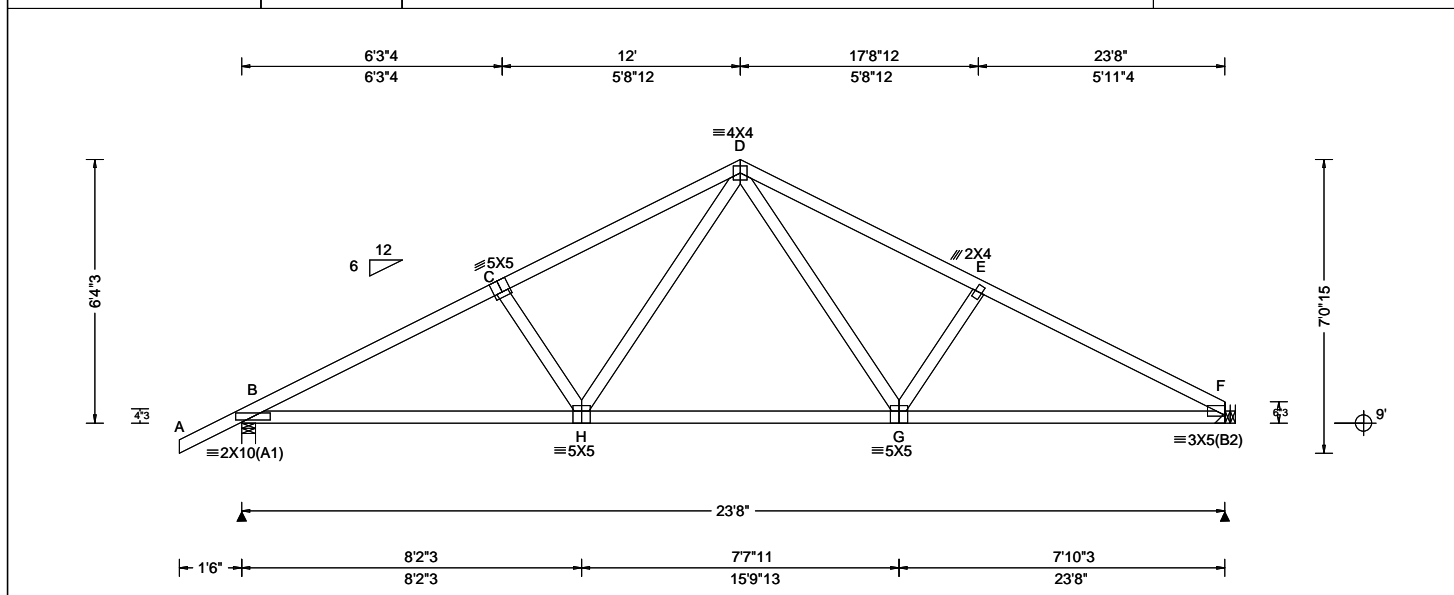
Maximum Web Forces Per Ply (lbs)

| Webs | Tens.Comp. | Webs | Tens. Comp. |
|-------|------------|-------|-------------|
| I - D | 589 - 211 | D - H | 589 - 211 |

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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|---------------------------|--------------------------|--|---|
| SEQN: 467345 FROM: RFG | SPEC Ply: 1 Qty: 4 | Job Number: 23-9932 Schneiders Breezeway/Carport addition Truss Label: A02 | Cust: R 215 JRRef: 1XSU2150003 T9 DrwNo: 248.23.1120.14910 GA / YK 09/05/2023 |
|---------------------------|--------------------------|--|---|



| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg, Pf in PSF) | Defl/CSI Criteria | Maximum Reactions (lbs) |
|---|--|--|---|---|
| TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE | PP Deflection in loc L/def L/# VERT(LL): 0.073 G 999 240 VERT(CL): 0.141 G 999 180 HORZ(LL): 0.031 F - - HORZ(TL): 0.060 F - - Creep Factor: 2.0 Max TC CSI: 0.458 Max BC CSI: 0.651 Max Web CSI: 0.227 VIEW Ver: 22.02.00.0914.12 | Gravity Loc R+ / R- / Rh / Rw / U / RL B 1132 - / - / - / 649 / 194 / 174 F 1022 - / - / - / 558 / 165 / - Non-Gravity Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) F Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 701 - 1771 D - E 699 - 1545 C - D 704 - 1579 E - F 697 - 1735 |

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

Hangers / Ties
Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.
Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.
Bearing at location x=23'5" uses the following support conditions: 23'5"
Bearing F (23'5", 9) LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

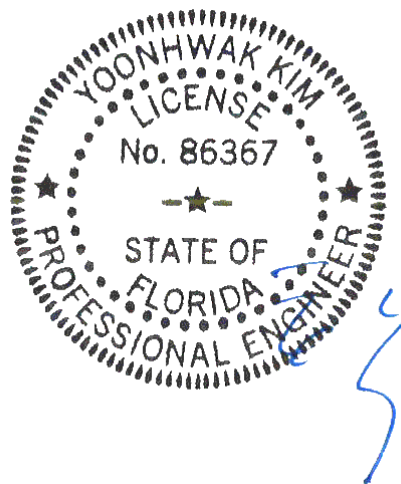
Loading
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

Additional Notes
The overall height of this truss excluding overhang is 6-4-3.

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - H 1514 - 571 G - F 1474 - 535
H - G 1022 - 296

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
H - D 595 - 213 D - G 542 - 200

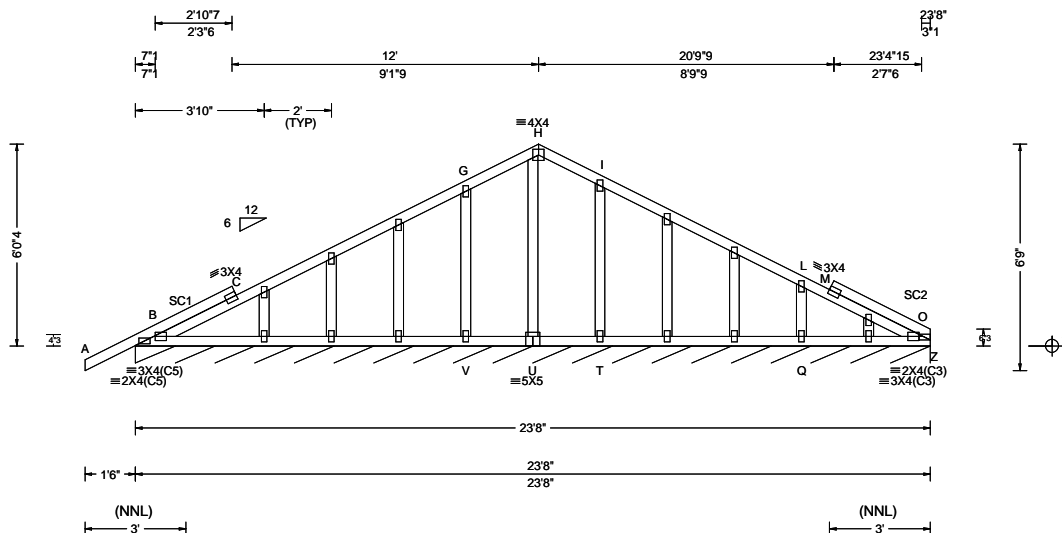


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|---------------------------|--------------------------|--|--|
| SEQN: 467357 FROM: RFG | GABL Ply: 1 Qty: 1 | Job Number: 23-9932 Schneiders Breezeway/Carport addition Truss Label: A03 | Cust: R 215 JRef: 1XSU2150003 T1 DrwNo: 248.23.1120.17867 GA / YK 09/05/2023 |
|---------------------------|--------------------------|--|--|



| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg, Pf in PSF) | Defl/CSI Criteria | ▲ Maximum Reactions (lbs), or *=PLF |
|---|--|---|---|--|
| TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE | PP Deflection in loc L/defl L/# VERT(LL): 0.004 C 999 240 VERT(CL): 0.009 C 999 180 HORZ(LL): -0.004 C - - HORZ(TL): 0.005 C - - Creep Factor: 2.0 Max TC CSI: 0.518 Max BC CSI: 0.104 Max Web CSI: 0.131 VIEW Ver: 22.02.00.0914.12 | Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Z* 177 /- /- /72 /39 /14 Wind reactions based on MWFRS Z Brg Wid = 284 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. G - H 450 -103 H - I 446 -99 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. V - U 378 -193 |

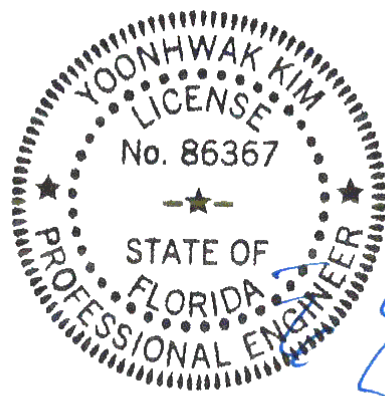
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes
All plates are 2X4 except as noted.

Loading
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

Additional Notes
See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6.
The overall height of this truss excluding overhang is 6-0-4.



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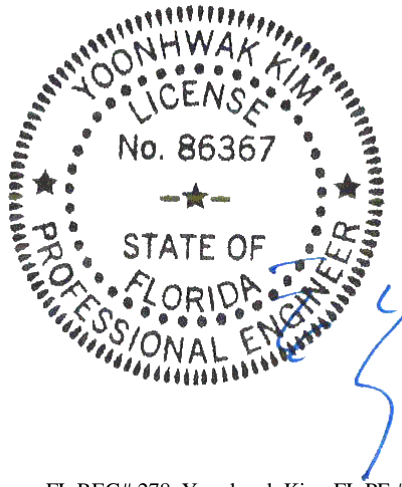
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|---|---|------------|--------|-------------|
| Lumber Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; | C - D | 657 - 1239 | F - G | 751 - 1701 |
| | D - E | 653 - 1042 | | |
| Purlins In lieu of structural panels use purlins to brace all flat TC @ 24" oc. | Maximum Bot Chord Forces Per Ply (lbs) | | | |
| | Chords | Tens.Comp. | Chords | Tens. Comp. |
| | B - L | 1455 - 568 | J - I | 1452 - 546 |
| | L - K | 1452 - 570 | I - G | 1455 - 544 |
| | K - J | 1038 - 324 | | |


| Wind | | Maximum Web Forces Per Ply (lbs) | | | | |
|--|------------|--|-------------|------------|-------|-------------|
| Wind loads based on MWFRS with additional C&C member design. | | <table> <tr> <th data-bbox="1109 1333 1167 1335">Webs</th> <th data-bbox="1167 1333 1253 1335">Tens.Comp.</th> <th data-bbox="1253 1333 1312 1335">Webs</th> <th data-bbox="1312 1333 1398 1335">Tens. Comp.</th> </tr> </table> | Webs | Tens.Comp. | Webs | Tens. Comp. |
| Webs | Tens.Comp. | Webs | Tens. Comp. | | | |
| Wind loading based on both gable and hip roof types. | | <table> <tr> <td data-bbox="1109 1335 1167 1337">C - K</td> <td data-bbox="1167 1335 1253 1337">283 -478</td> <td data-bbox="1253 1335 1312 1337">J - F</td> <td data-bbox="1312 1335 1398 1337">285 -479</td> </tr> </table> | C - K | 283 -478 | J - F | 285 -479 |
| C - K | 283 -478 | J - F | 285 -479 | | | |

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



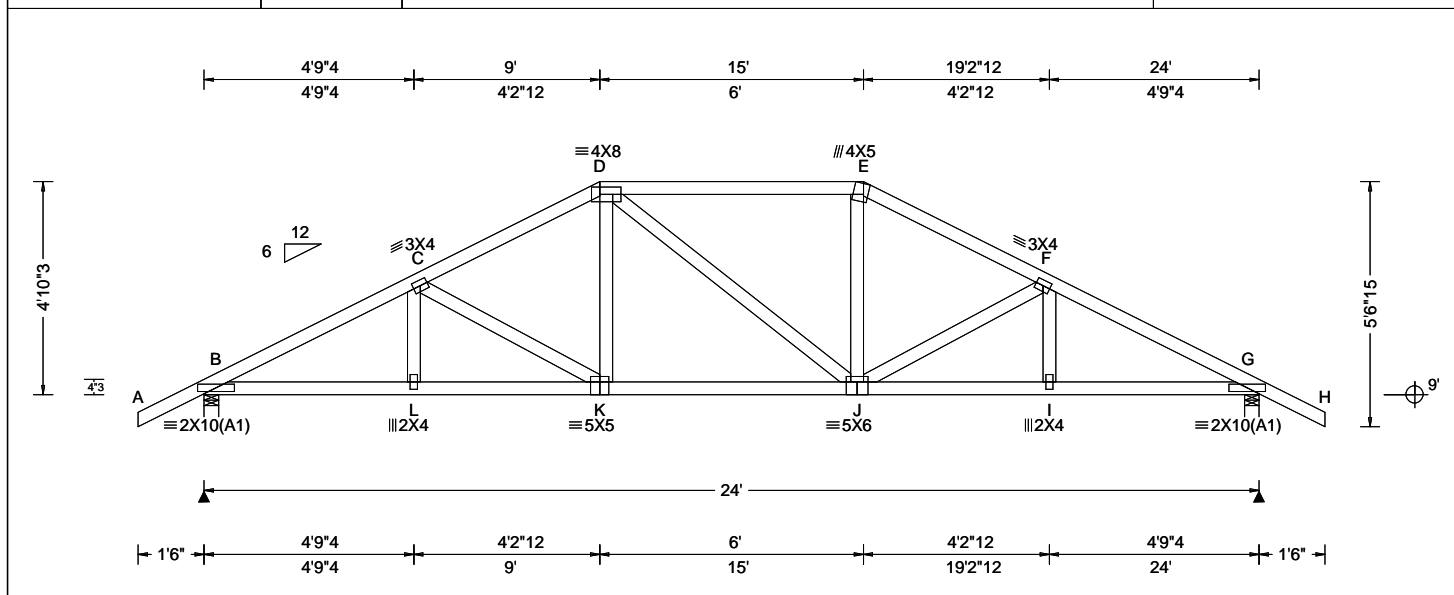
FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999-00050213

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| | | | |
|---------------------------|--------------------------|--|--|
| SEQN: 467354 FROM: RFG | HIPS Ply: 1 Qty: 1 | Job Number: 23-9932 Schneiders Breezeway/Carport addition Truss Label: A05 | Cust: R 215 JRef: 1XSU2150003 T5 DrwNo: 248.23.1120.24353 GA / YK 09/05/2023 |
|---------------------------|--------------------------|--|--|



| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg, Pf in PSF) | Defl/CSI Criteria | Maximum Reactions (lbs) |
|---|---|--|--|---|
| TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE | PP Deflection in loc L/defl L/# VERT(LL): 0.061 K 999 240 VERT(CL): 0.123 K 999 180 HORZ(LL): 0.027 G - - HORZ(TL): 0.054 G - - Creep Factor: 2.0 Max TC CSI: 0.447 Max BC CSI: 0.438 Max Web CSI: 0.152 VIEW Ver: 22.02.00.0914.12 | Gravity Loc R+ / R- / Rh / Rw / U / RL B 1089 - / - / - / 653 / 198 / 154 G 1089 - / - / - / 653 / 198 / - Non-Gravity Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) G Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 874 - 1721 E - F 814 - 1398 C - D 817 - 1405 F - G 875 - 1721 D - E 802 - 1214 |

Lumber

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

Purlins

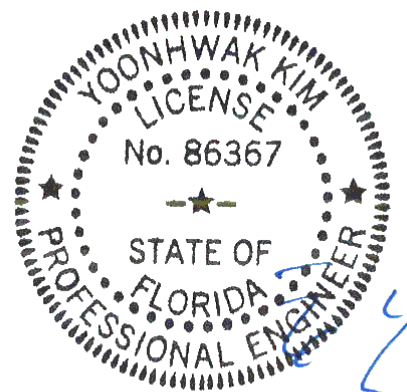
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is
4-10-3.

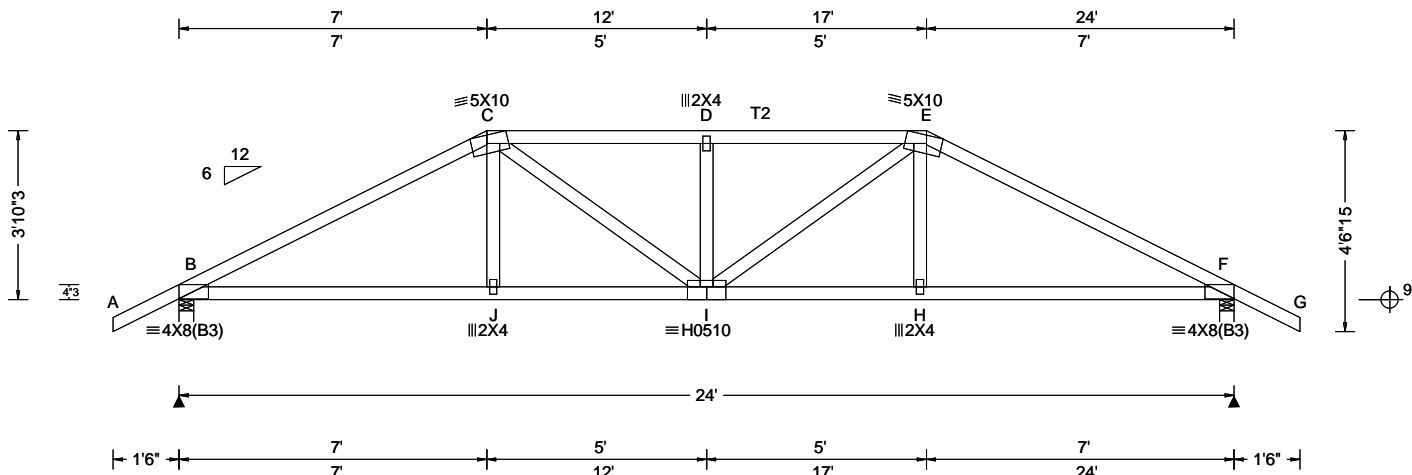


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| | | | |
|---------------------------|--------------------------|--|--|
| SEQN: 467368 FROM: RFG | HIPS Ply: 1 Qty: 1 | Job Number: 23-9932 Schneiders Breezeway/Carport addition Truss Label: A06 | Cust: R 215 JRef: 1XSU2150003 T8 DrwNo: 248.23.1120.36490 GA / YK 09/05/2023 |
|---------------------------|--------------------------|--|--|



| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria | ▲ Maximum Reactions (lbs) |
|---|---|---|---|--|
| TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS | PP Deflection in loc L/def L/# VERT(LL): 0.178 D 999 240 VERT(CL): 0.357 D 797 180 HORZ(LL): 0.056 F - - HORZ(TL): 0.113 F - - Creep Factor: 2.0 Max TC CSI: 0.961 Max BC CSI: 0.522 Max Web CSI: 0.344 VIEW Ver: 22.02.00.0914.12 | Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 2451 - / - / - /505 - / - F 2451 - / - / - /505 - / - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 2.0 (Truss) F Brg Wid = 4.0 Min Req = 2.0 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 939 -4564 D - E 989 -4756 C - D 989 -4756 E - F 939 -4564 |

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 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 -1.50 to 62 plf at 7.00
TC: From 31 plf at 7.00 to 31 plf at 17.00
TC: From 62 plf at 17.00 to 62 plf at 25.50
BC: From 4 plf at -1.50 to 4 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 16.97
BC: From 20 plf at 16.97 to 20 plf at 24.00
BC: From 4 plf at 24.00 to 4 plf at 25.50
TC: 434 lb Conc. Load at 7.03,16.97
TC: 187 lb Conc. Load at 9.06,11.06,12.94,14.94
BC: 503 lb Conc. Load at 7.03,16.97
BC: 129 lb Conc. Load at 9.06,11.06,12.94,14.94

Purlins

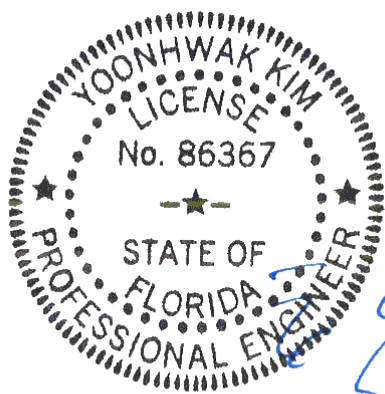
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

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

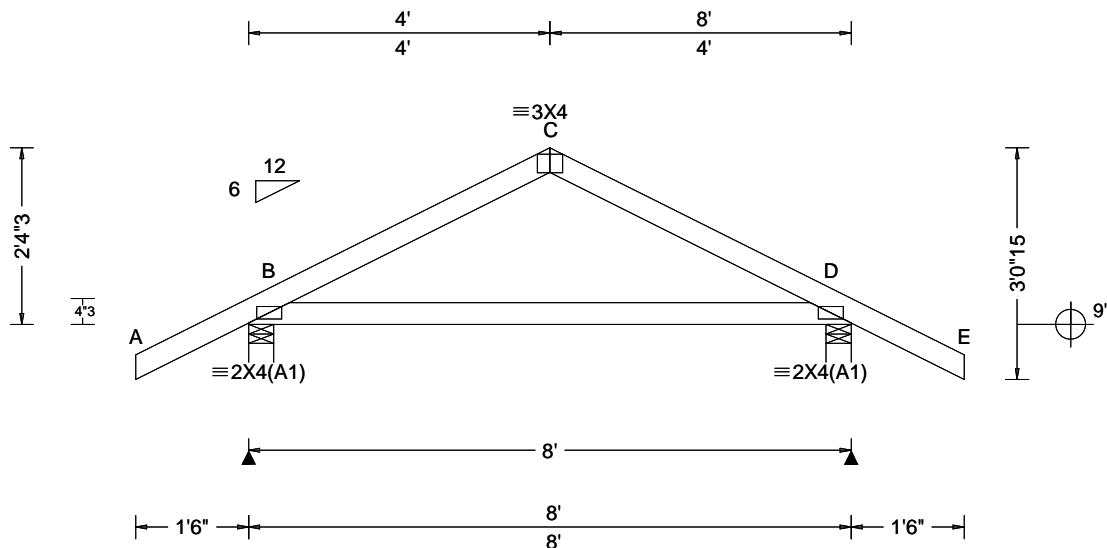


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|---------------------------|--------------------------|--|--|
| SEQN: 467350 FROM: RFG | COMN Ply: 1 Qty: 3 | Job Number: 23-9932 Schneiders Breezeway/Carport addition Truss Label: B01 | Cust: R 215 JRef: 1XSU2150003 T2 DrwNo: 248.23.1120.41140 GA / YK 09/05/2023 |
|---------------------------|--------------------------|--|--|



| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg, Pf in PSF) | Defl/CSI Criteria | ▲ Maximum Reactions (lbs) |
|---|---|--|---|---|
| TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE | PP Deflection in loc L/defl L/# VERT(LL): 0.005 B 999 240 VERT(CL): 0.017 B 999 180 HORZ(LL): -0.003 D - - HORZ(TL): 0.009 D - - Creep Factor: 2.0 Max TC CSI: 0.230 Max BC CSI: 0.395 Max Web CSI: 0.000 VIEW Ver: 22.02.00.0914.12 | Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 430 - / - / 281 / 81 / 89 D 430 - / - / 198 / 81 / - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & D are a rigid surface. Members not listed have forces less than 375# |

Lumber

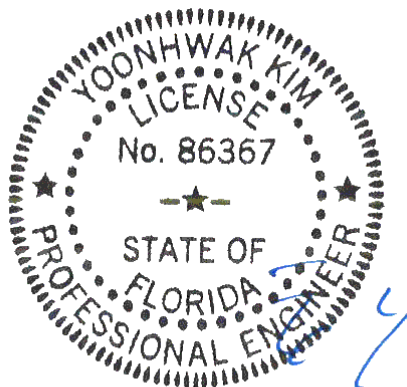
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 2'-4"-3."

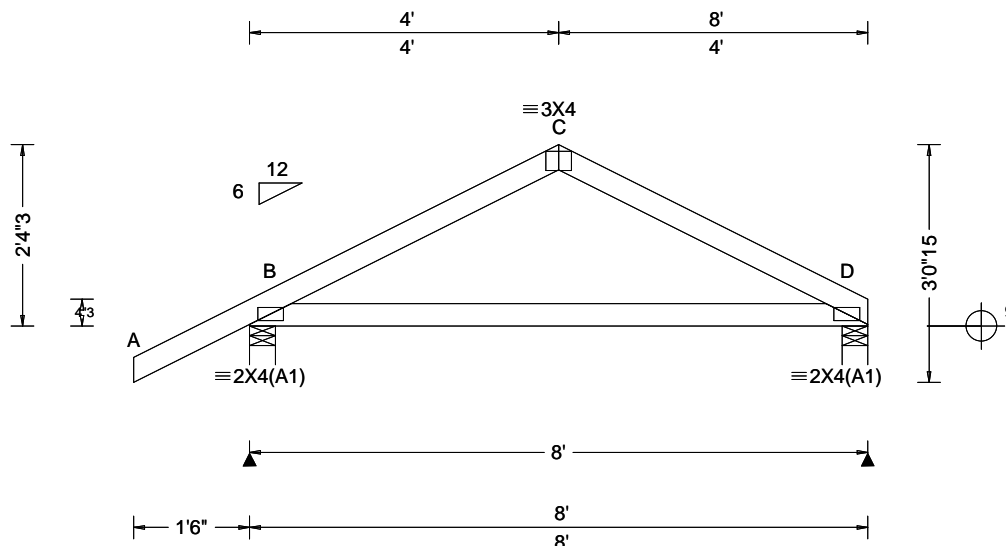


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| | | | |
|---------------------------|--------------------------|--|--|
| SEQN: 467355 FROM: RFG | COMN Ply: 1 Qty: 1 | Job Number: 23-9932 Schneiders Breezeway/Carport addition Truss Label: B02 | Cust: R 215 JRef: 1XSU2150003 T3 DrwNo: 248.23.1120.43297 GA / YK 09/05/2023 |
|---------------------------|--------------------------|--|--|



| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria | ▲ Maximum Reactions (lbs) |
|---|--|---|---|--|
| TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE | PP Deflection in loc L/defl L/# VERT(LL): 0.007 D 999 240 VERT(CL): 0.019 D 999 180 HORZ(LL): -0.003 D - - HORZ(TL): 0.011 D - - Creep Factor: 2.0 Max TC CSI: 0.228 Max BC CSI: 0.405 Max Web CSI: 0.000 VIEW Ver: 22.02.00.0914.12 | Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 441 /- /- /281 /84 /75 D 318 /- /- /171 /51 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & D are a rigid surface. Members not listed have forces less than 375# |

Lumber

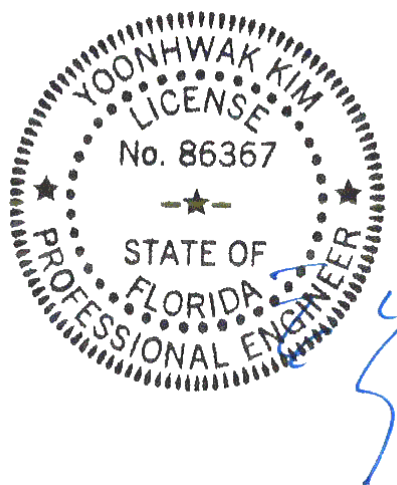
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 2-4-3.



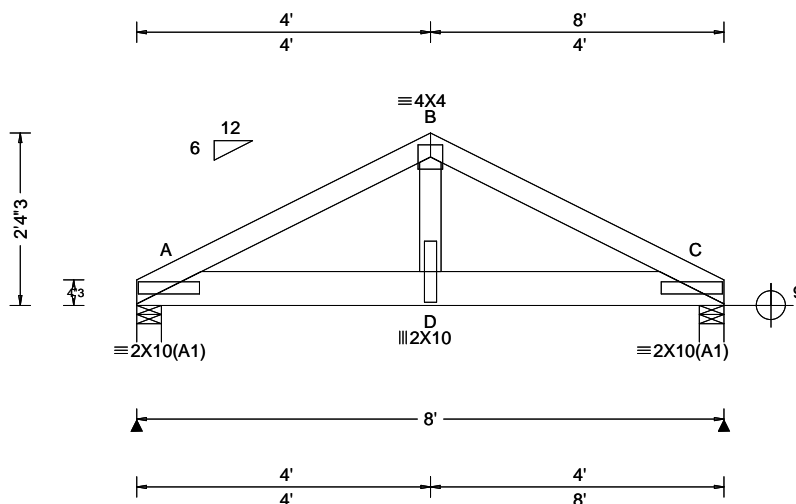
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|---------------------------|--------------------------|--|--|
| SEQN: 467364 FROM: RFG | COMN Ply: 2 Qty: 1 | Job Number: 23-9932 Schneiders Breezeway/Carport addition Truss Label: B03 | Cust: R 215 JRef: 1XSU2150003 T4 DrwNo: 248.23.1120.54550 GA / YK 09/05/2023 |
|---------------------------|--------------------------|--|--|

2 Complete Trusses Required



| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg, Pf in PSF) | Defl/CSI Criteria | Maximum Reactions (lbs) |
|--|---|---|---|--|
| TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE | PP Deflection in loc L/def L/# VERT(LL): 0.016 D 999 240 VERT(CL): 0.032 D 999 180 HORZ(LL): 0.004 C - - HORZ(TL): 0.007 C - - Creep Factor: 2.0 Max TC CSI: 0.177 Max BC CSI: 0.235 Max Web CSI: 0.416 VIEW Ver: 22.02.00.0914.12 | Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 1847 -/- /- /- /328 -/ C 1798 -/- /- /- /320 -/ Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) C Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings A & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 247 -1395 B - C 247 -1396 |

Lumber

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

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 4.00" o.c.
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

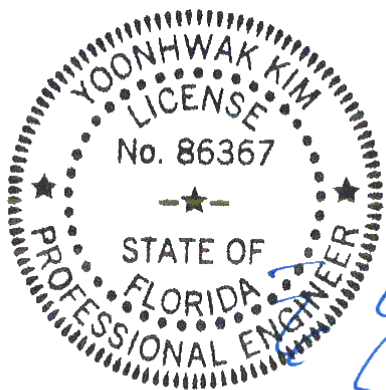
----- (Lumber Dur. Fac. = 1.25 / Plate Dur. Fac. = 1.25)
TC: From 62 plf at 0.00 to 62 plf at 8.00
BC: From 10 plf at 0.00 to 10 plf at 8.00
BC: 1022 lb Conc. Load at 1.94, 3.94, 5.94

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 24'-3".

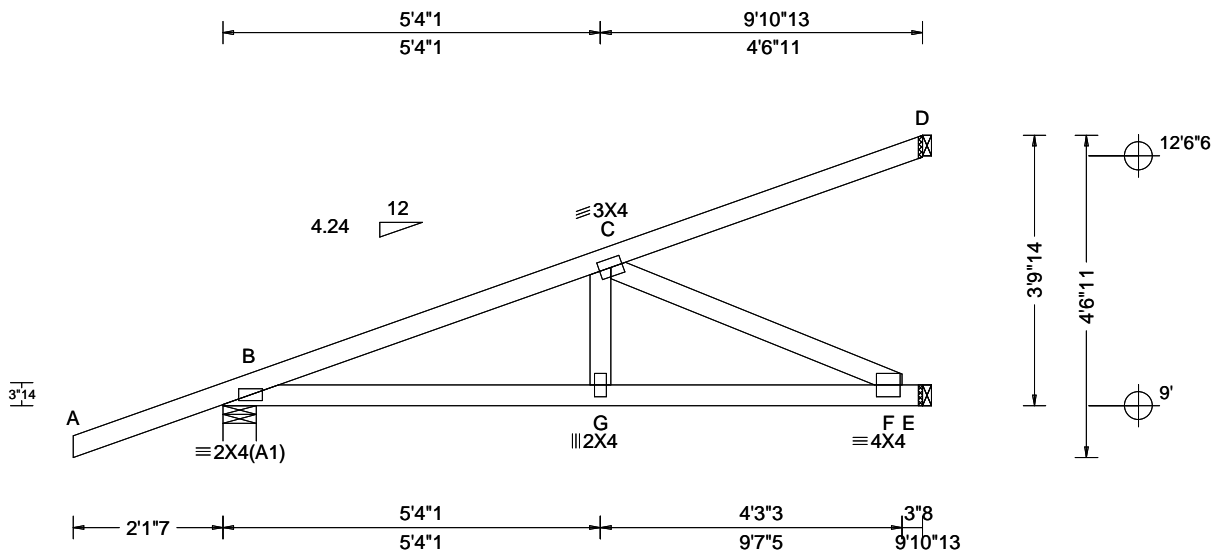


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| | | | |
|---------------------------|--------------------------|---|---|
| SEQN: 467366 FROM: RFG | HIP_ Ply: 1 Qty: 2 | Job Number: 23-9932 Schneiders Breezeway/Carport addition Truss Label: HJ01 | Cust: R 215 JRef: 1XSU2150003 T15 DrwNo: 248.23.1121.02223 GA / YK 09/05/2023 |
|---------------------------|--------------------------|---|---|



| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria | ▲ Maximum Reactions (lbs) |
|--|---|--|--|---|
| TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCp: 0.18 Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE | PP Deflection in loc L/defl L/# VERT(LL): 0.022 G 999 240 VERT(CL): 0.044 G 999 180 HORZ(LL): 0.005 F - - HORZ(TL): 0.011 F - - Creep Factor: 2.0 Max TC CSI: 0.594 Max BC CSI: 0.533 Max Web CSI: 0.333 VIEW Ver: 22.02.00.0914.12 | Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 461 -/- /- /96 -/ E 374 -/- /- /11 -/ D 247 -/- /- /94 -/ Wind reactions based on MWFRS B Brg Wid = 5.7 Min Req = 1.5 (Truss) E Brg Wid = 1.5 Min Req = - D Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. |

Lumber

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

Loading

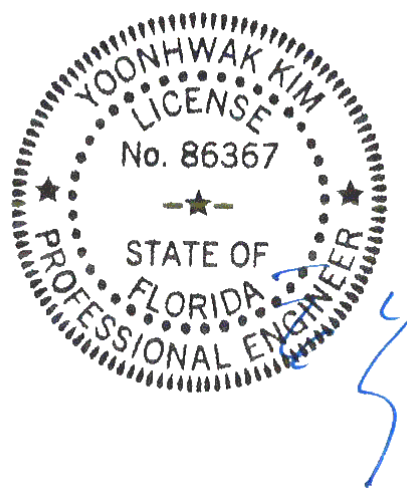
Hipjack supports 7-0-0 setback jacks with no webs.

Wind

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

Additional Notes

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

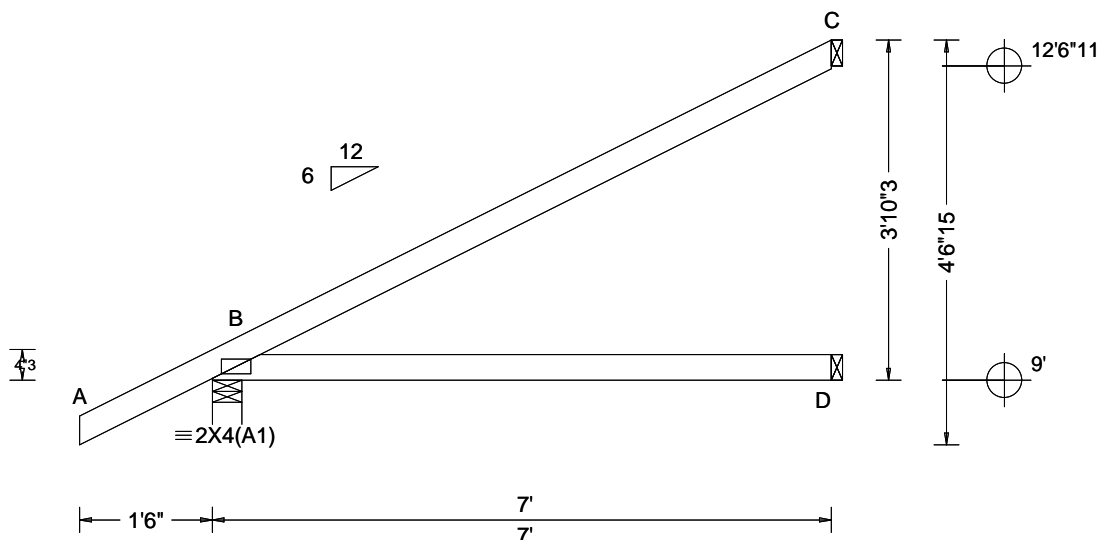


FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999

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| | | | |
|---------------------------|--------------------------|--|---|
| SEQN: 467342 FROM: RFG | EJAC Ply: 1 Qty: 6 | Job Number: 23-9932 Schneiders Breezeway/Carport addition Truss Label: J01 | Cust: R 215 JRef: 1XSU2150003 T14 DrwNo: 248.23.1121.04177 GA / YK 09/05/2023 |
|---------------------------|--------------------------|--|---|



| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg, Pf in PSF) | Defl/CSI Criteria | ▲ Maximum Reactions (lbs) |
|---|--|--|--|--|
| TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE | PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.014 B - - HORZ(TL): 0.028 B - - Creep Factor: 2.0 Max TC CSI: 0.846 Max BC CSI: 0.512 Max Web CSI: 0.000 VIEW Ver: 22.02.00.0914.12 | Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 408 - / - / - / 278 / 47 / 144 D 129 - / - / - / 73 / - / - C 187 - / - / - / 118 / 93 / - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# |

Lumber

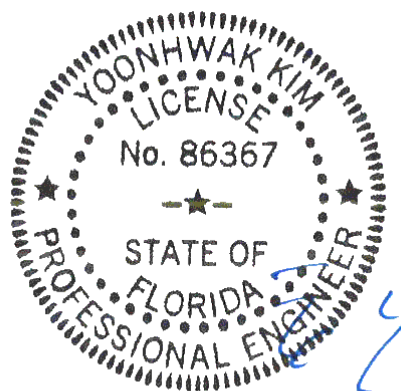
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

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

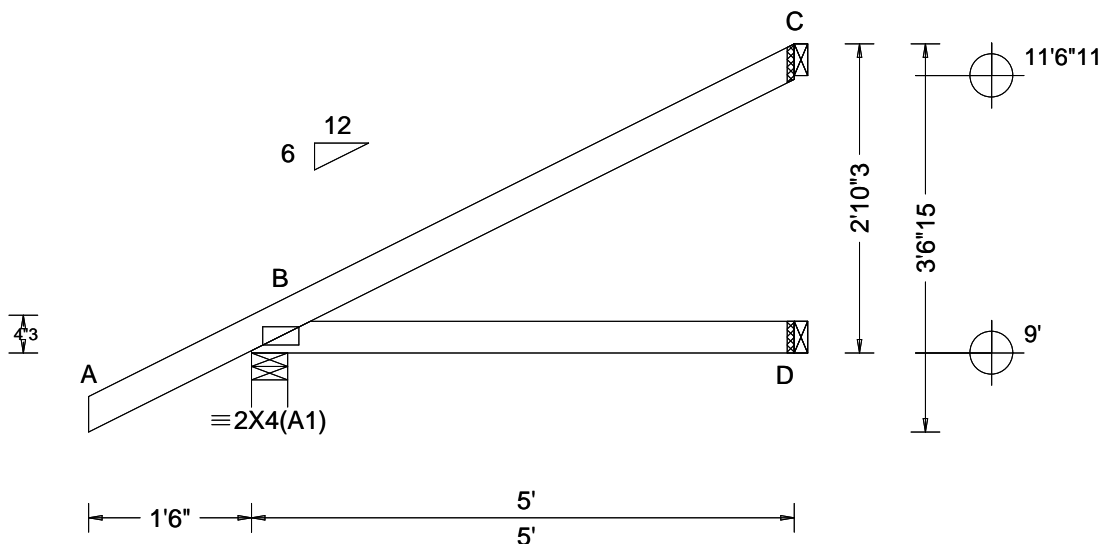


FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida State Seal of Product Approval #FL 1999

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| | | | |
|---------------------------|--------------------------|--|---|
| SEQN: 467343 FROM: RFG | JACK Ply: 1 Qty: 4 | Job Number: 23-9932 Schneiders Breezeway/Carport addition Truss Label: J02 | Cust: R 215 JRef: 1XSU2150003 T10 DrwNo: 248.23.1121.06803 GA / YK 09/05/2023 |
|---------------------------|--------------------------|--|---|



| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria | ▲ Maximum Reactions (lbs) |
|---|--|---|--|---|
| TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE | PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.416 Max BC CSI: 0.233 Max Web CSI: 0.000 VIEW Ver: 22.02.00.0914.12 | Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 331 - / - / - /231 /43 /109 D 89 - / - / - /48 - / - C 127 - / - / - /79 /65 - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# |

Lumber

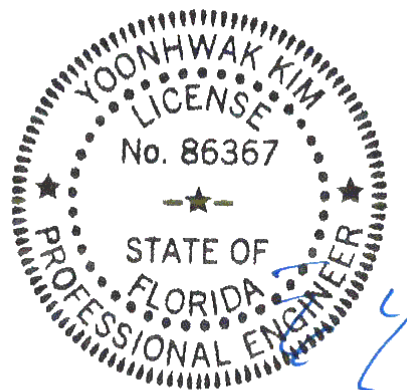
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

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

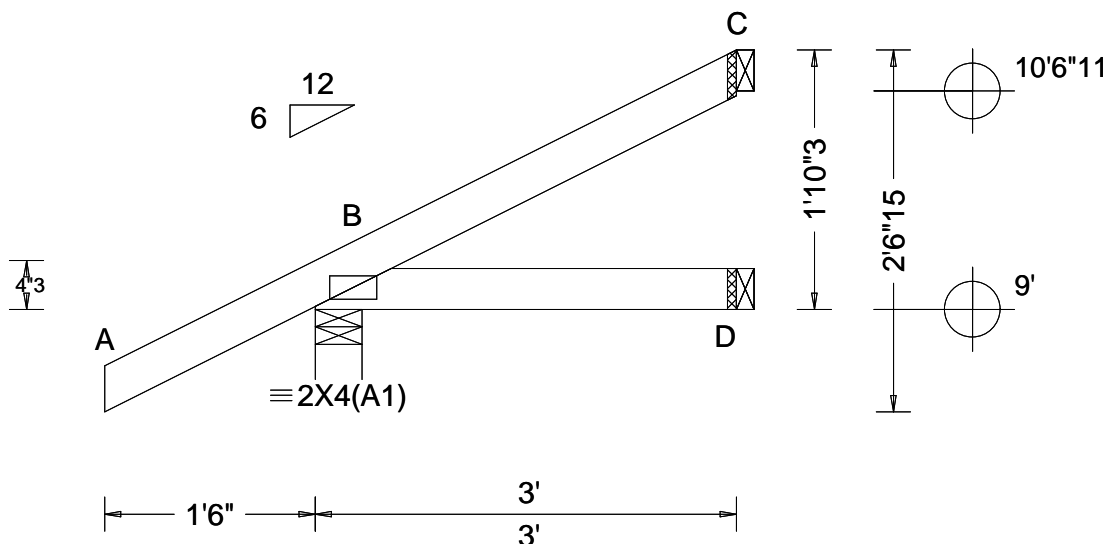


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Florida Certificate of Product Approval #FL 1999

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|---------------------------|--------------------------|--|---|
| SEQN: 467346 FROM: RFG | JACK Ply: 1 Qty: 4 | Job Number: 23-9932 Schneiders Breezeway/Carport addition Truss Label: J03 | Cust: R 215 JRef: 1XSU2150003 T12 DrwNo: 248.23.1121.10110 GA / YK 09/05/2023 |
|---------------------------|--------------------------|--|---|



| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria | ▲ Maximum Reactions (lbs) |
|---|--|---|--|--|
| TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE | PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.250 Max BC CSI: 0.064 Max Web CSI: 0.000 VIEW Ver: 22.02.00.0914.12 | Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 262 /- /- /190 /42 /73 D 49 /- /- /26 /- /- C 62 /- /- /36 /34 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# |

Lumber

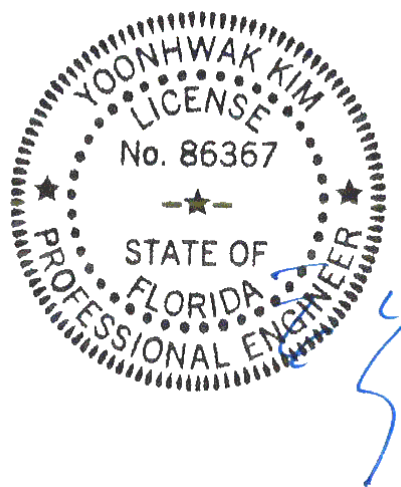
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

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

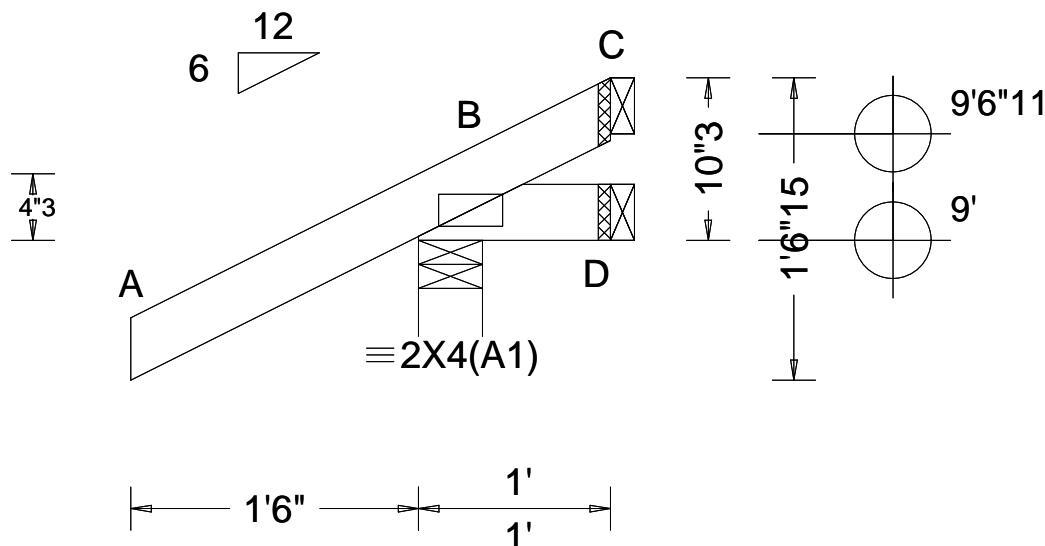


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|---------------------------|--------------------------|--|---|
| SEQN: 467349 FROM: RFG | JACK Ply: 1 Qty: 4 | Job Number: 23-9932 Schneiders Breezeway/Carport addition Truss Label: J04 | Cust: R 215 JRef: 1XSU2150003 T13 DrwNo: 248.23.1121.14637 GA / YK 09/05/2023 |
|---------------------------|--------------------------|--|---|



| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria | ▲ Maximum Reactions (lbs) |
|---|---|---|---|--|
| TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " | Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE | PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.250 Max BC CSI: 0.035 Max Web CSI: 0.000 VIEW Ver: 22.02.00.0914.12 | Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 254 -/- /- /202 /69 /38 D 4 -/18 -/- /16 /16 -/- C - /-53 -/- /34 /51 -/- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# |

Lumber

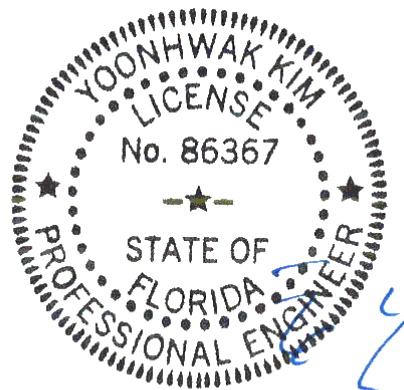
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

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



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Gable Stud Reinforcement Detail

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

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

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

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

| Max Gable Vertical Length | 2x4 Gable Vertical | | Brace Grade | 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 | Group B | Group A | Group B | Group A | Group B |
| | | | | | | | | | | | | | | |
| 24" O.C. | SPF | #1 / #2 | #1 | 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 | #1 | 4' 1" | 5' 8" | 6' 0" | 7' 7" | 8' 1" | 10' 1" | 10' 6" | 11' 10" | 12' 8" | 14' 0" | 14' 0" |
| | | | #2 | 4' 6" | 7' 4" | 7' 8" | 8' 8" | 9' 0" | 10' 4" | 10' 9" | 13' 8" | 14' 0" | 14' 0" | 14' 0" |
| | | | #3 | 4' 3" | 7' 3" | 7' 7" | 8' 7" | 8' 11" | 10' 3" | 10' 8" | 13' 6" | 14' 0" | 14' 0" | 14' 0" |
| | SP | DFL | #1 | 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" |
| | | | Standard | 4' 0" | 5' 3" | 5' 7" | 7' 0" | 7' 6" | 9' 6" | 10' 2" | 11' 0" | 11' 10" | 14' 0" | 14' 0" |
| | | Standard | #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 | #1 / #2 | #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' 3" | 11' 8" | 12' 1" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | Standard | #1 | 4' 9" | 7' 4" | 7' 9" | 9' 9" | 10' 2" | 11' 8" | 12' 1" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | 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" |
| | SP | #1 / #2 | #1 | 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" |
| | | | Stud | 5' 1" | 9' 0" | 9' 4" | 10' 8" | 11' 1" | 12' 9" | 13' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | Standard | #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" |
| | | | #3 | 5' 3" | 8' 5" | 9' 0" | 10' 9" | 11' 2" | 12' 10" | 13' 4" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| 12" O.C. | SPF | #1 / #2 | #1 | 5' 3" | 8' 5" | 9' 0" | 10' 9" | 11' 2" | 12' 10" | 13' 4" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #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 | #1 | 5' 1" | 7' 5" | 7' 11" | 9' 11" | 10' 7" | 12' 9" | 13' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #2 | 5' 1" | 7' 5" | 7' 11" | 9' 11" | 10' 7" | 12' 9" | 13' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | Stud | 5' 1" | 7' 5" | 7' 11" | 9' 11" | 10' 7" | 12' 9" | 13' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | SP | #1 / #2 | #1 | 5' 1" | 7' 5" | 7' 11" | 9' 11" | 10' 7" | 12' 9" | 13' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #2 | 5' 1" | 7' 5" | 7' 11" | 9' 11" | 10' 7" | 12' 9" | 13' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | Stud | 5' 1" | 7' 5" | 7' 11" | 9' 11" | 10' 7" | 12' 9" | 13' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | Standard | #1 | 5' 1" | 7' 5" | 7' 11" | 9' 11" | 10' 7" | 12' 9" | 13' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | #2 | 5' 1" | 7' 5" | 7' 11" | 9' 11" | 10' 7" | 12' 9" | 13' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | | Stud | 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 |

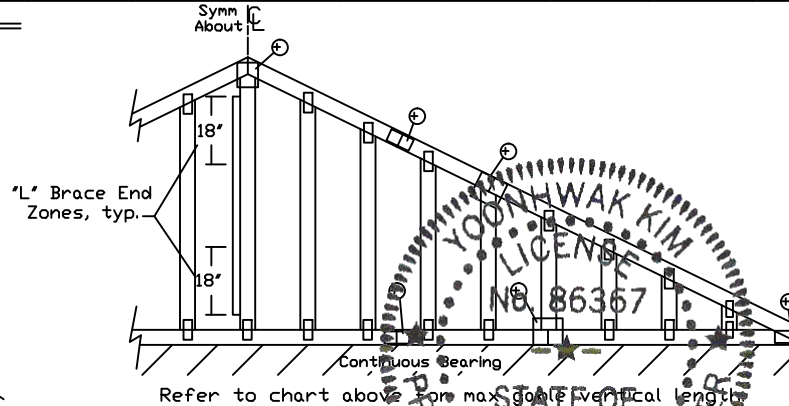
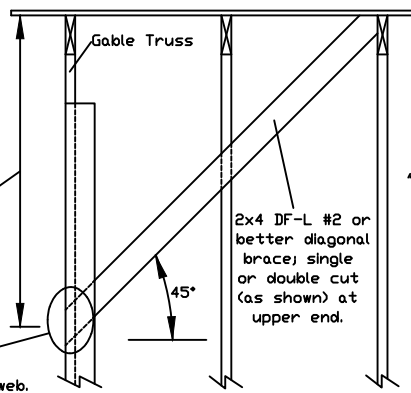
+ Refer to common truss design for peak, splice, and heel plates.

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

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 450# at each end. Max web total length is 14'.

Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.



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

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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.

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.sbcacomponents.com; ICC: www.iccsafe.org



155 Harlem Ave
 North Building, 4th Floor
 Glenview, IL 60025

09/05/2023
 FL REG# 278, Yoonhwak Kim, FL PE #86367

MAX. TOT. LD. 60 PSF

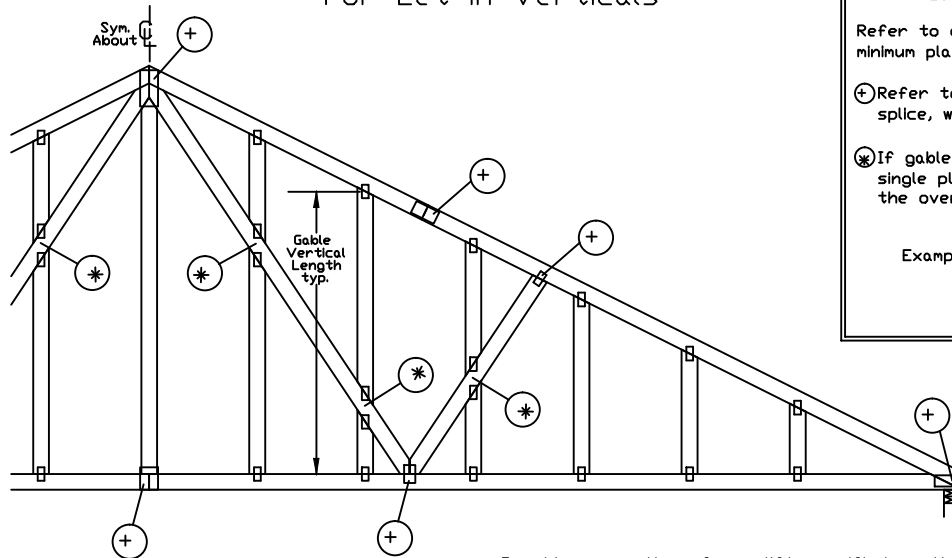
MAX. SPACING 24.0"

REF ASCE7-16-GAB14015

DATE 01/26/2018

DRWG A14015ENC160118

Gable Detail For Let-in Verticals

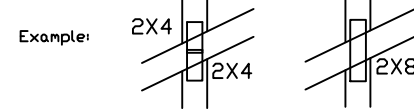


Gable Truss Plate Sizes

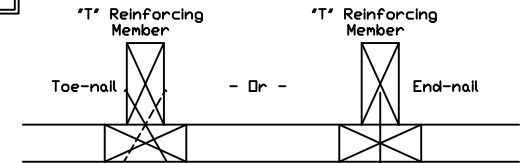
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

(+) Refer to Engineered truss design for peak, splice, web, and heel plates.

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



'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.

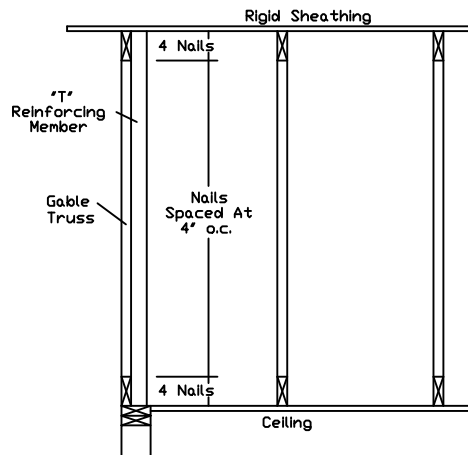
ASCE 7-05 Gable Detail Drawings

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

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

A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118,
A18015ENC100118, A20015ENC100118, A22015ENC100118, A24015ENC100118,
A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118,
A18030ENC100118, A20030ENC100118, A22030ENC100118, A24030ENC100118,
S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,
S18015ENC100118, S20015ENC100118, S22015ENC100118, S24015ENC100118,
S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118,
S18030ENC100118, S20030ENC100118, S22030ENC100118, S24030ENC100118

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



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
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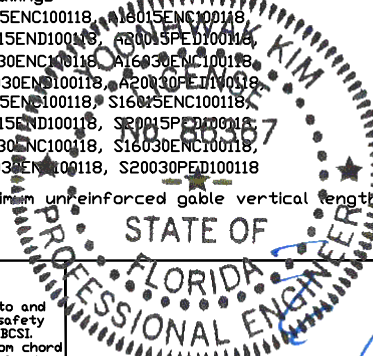
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ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY

155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



09/05/2023

FL REG # 278, Yoonhwak Kim, P.E.

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0"

REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETIN0118