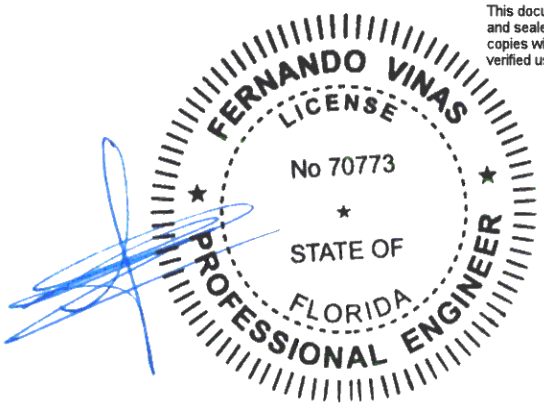


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ALPINE
AN ITW COMPANY

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www.alpineitw.com

05/15/2023

COA#0-278
Florida Certificate of Product Approval #FL1999

| **Site Information:** | **Page 1:** |
|---|---|
| *Customer:* W. B. Howland Company, Inc. | *Job Number:* 20-4768 |
| *Job Description:* TwentyEight Fourteen LLC-Lot 6 Emerald Cove | |
| *Address:* Lot 6 Emerald Cove | |

| **Job Engineering Criteria:** | |
|---|---|
| *Design Code:* FBC 2017 RES | *IntelliVIEW Version:* 20.01.01A<br>*JRef #:* 1XPP2150004 |
| *Wind Standard:* ASCE 7-16 *Wind Speed (mph):* 130<br>*Building Type:* Closed | *Design Loading (psf):* 37.00 |

This package contains general notes pages, 40 truss drawing(s) and 3 detail(s).

| Item | Drawing Number | Truss | Item | Drawing Number | Truss |
|---|---|---|---|---|---|
| 1 | 135.23.1045.04480 | A01 | 2 | 135.23.1045.03229 | A02 |
| 3 | 135.23.1045.04478 | A03 | 4 | 135.23.1045.03634 | A04 |
| 5 | 135.23.1045.04634 | A05 | 6 | 135.23.1045.03243 | A06 |
| 7 | 135.23.1045.04056 | A07 | 8 | 135.23.1045.02979 | A08 |
| 9 | 135.23.1045.02868 | A09 | 10 | 135.23.1045.04603 | A10 |
| 11 | 135.23.1045.02822 | A11 | 12 | 135.23.1045.03993 | B01 |
| 13 | 135.23.1045.02885 | B02 | 14 | 135.23.1045.04385 | C01 |
| 15 | 135.23.1045.04290 | C02 | 16 | 135.23.1045.03259 | C03 |
| 17 | 135.23.1045.04134 | C04 | 18 | 135.23.1045.03525 | C05 |
| 19 | 135.23.1045.04556 | C06 | 20 | 135.23.1045.04337 | C07 |
| 21 | 135.23.1045.04401 | C08 | 22 | 135.23.1045.03932 | C09 |
| 23 | 135.23.1045.02837 | C10 | 24 | 135.23.1045.04150 | C11 |
| 25 | 135.23.1045.03368 | C12 | 26 | 135.23.1045.04259 | D01 |
| 27 | 135.23.1045.03853 | E01 | 28 | 135.23.1045.03916 | E02 |
| 29 | 135.23.1045.03212 | E03 | 30 | 135.23.1045.03448 | G01 |
| 31 | 135.23.1045.04462 | HJ7 | 32 | 135.23.1045.04181 | HJ7A |
| 33 | 135.23.1050.22457 | HJ1 | 34 | 135.23.1045.03228 | EJ7 |
| 35 | 135.23.1045.03556 | EJ7A | 36 | 135.23.1045.04588 | CJ5 |
| 37 | 135.23.1045.04104 | CJ5A | 38 | 135.23.1045.03478 | CJ3 |
| 39 | 135.23.1045.03696 | CJ3A | 40 | 135.23.1045.04213 | CJ1 |
| 41 | A14015ENC160118 | | 42 | BRCLBSUB0119 | |
| 43 | 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.

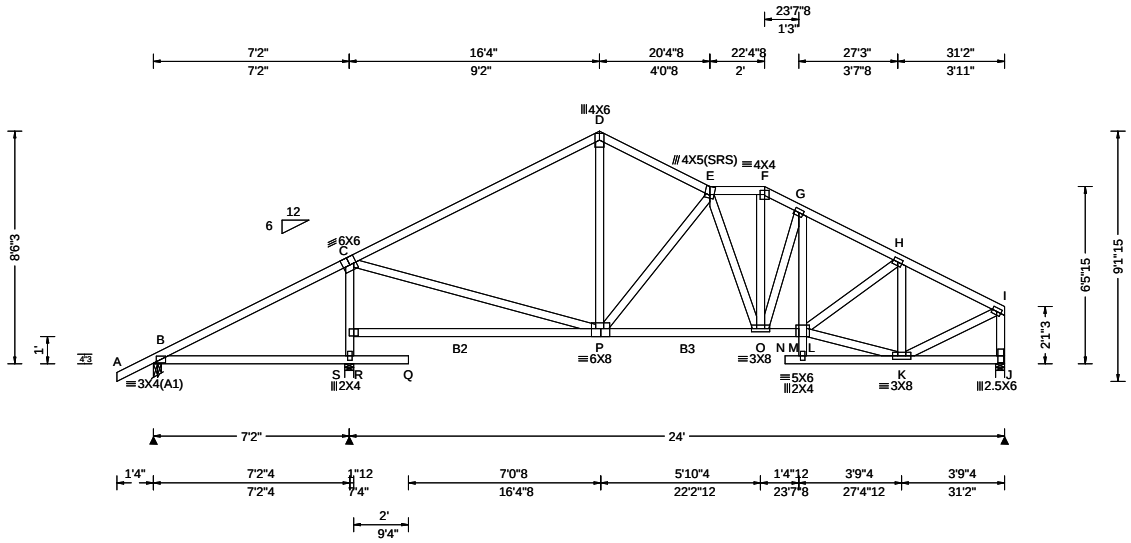
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze 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.
g = green lumber.
HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.
HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.
HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.
Ic = Incised lumber.
FJ = Finger Jointed lumber.
L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.
L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.
Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.
Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.
Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.
Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for of all load cases.
NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.
PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.
PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds
PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.
PP = Panel Point.
R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).
Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).
TCDL = Top Chord standard design Dead Load in pounds per square foot.
TCLL = Top Chord standard design Live Load in pounds per square foot.
U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.
VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.
VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.
VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.
W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.
Uppercase Acronyms not explained above are as defined in TPI 1.

**References:**


1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 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: 1926 / SPEC<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** A01 | Cust: R 215 JRef:1XPP2150004 T38<br>DrwNo: 135.23.1045.04480<br>KD / FV 05/15/2023 | |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 7.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): -0.060 Q 999 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): -0.114 Q 999 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.015 J - - |
| Des Ld: 37.00 | EXP: C Kzt: NA | | HORZ(TL): 0.028 J - - |
| NCBCLL: 20.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 4.2 psf | FBC 2017 RES | Max TC CSI: 0.872 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.558 |
| Spacing: 24.0 " | MWFRS Parallel Dist: h to 2h | Rep Fac: Yes | Max Web CSI: 0.357 |
| | C&C Dist a: 3.12 ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: not in 9.00 ft | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 20.01.01A.0724.12 |
| | Wind Duration: 1.60 | | |

**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31;
Webs: 2x4 SP #3;

**Plating Notes**

All plates are 3X4 except as noted.

**Wind**

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Note: Laterally brace bottom chord above filler at 2'0" O.C.Max. including a lateral brace at chord ends.

**▲Maximum Reactions (lbs)**

| Loc | Gravity R+ | / R- | / Rh | Non-Gravity / Rw | / U | / RL |
|---|---|---|---|---|---|---|
| B | 338 | /- | /- | /142 | /47 | /223 |
| S | 1248 | /- | /- | /762 | /111 | /- |
| J | 890 | /- | /- | /508 | /48 | /- |

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
S Brg Width = 4.0 Min Req = 1.5
J Brg Width = 4.0 Min Req = 1.5
Bearings B, S, & J are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

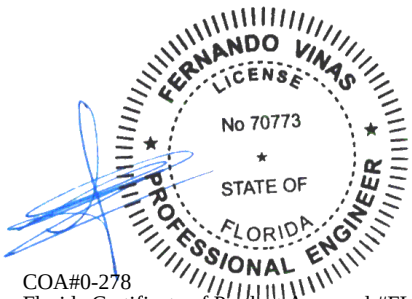
| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| C - D | 373 | - 930 | F - G | 488 | - 1073 |
| D - E | 376 | - 833 | G - H | 480 | - 1212 |
| E - F | 450 | - 964 | H - I | 318 | - 923 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| P - O | 990 | - 283 | O - L | 1042 | - 316 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| R - S | 417 | - 1123 | O - F | 424 | - 140 |
| R - C | 438 | - 1080 | L - K | 816 | - 259 |
| C - P | 766 | - 134 | H - K | 241 | - 535 |
| D - P | 625 | - 84 | K - I | 871 | - 271 |
| P - E | 267 | - 430 | I - J | 294 | - 855 |




COA#0-278
Florida Certificate of Product Approval #FL1999
05/15/2023

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

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

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

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

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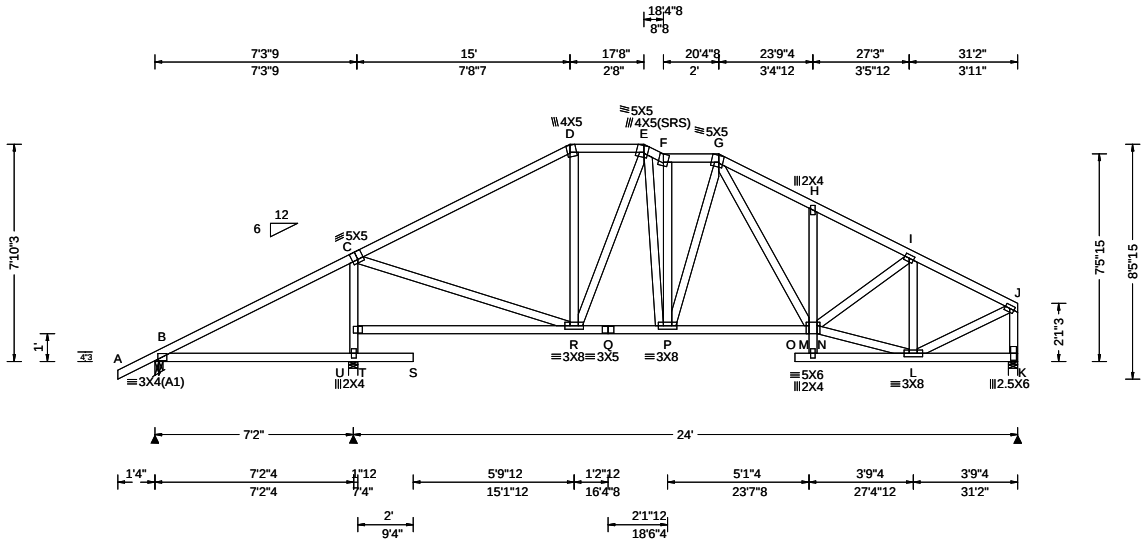
Suite 305
Orlando FL, 32821

| | | | | |
|---|---|---|---|---|
| SEQN: 1941 / SPEC<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** A02 | Cust: R 215 JRef:1XPP2150004 T34 /<br>DrwNo: 135.23.1045.03229<br>KD / FV 05/15/2023 | |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 7.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): -0.061 S 999 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): -0.116 S 999 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.016 K - - |
| Des Ld: 37.00 | EXP: C Kzt: NA | | HORZ(TL): 0.030 K - - |
| NCBCLL: 20.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 4.2 psf | FBC 2017 RES | Max TC CSI: 0.621 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.848 |
| Spacing: 24.0 " | MWFRS Parallel Dist: h to 2h | Rep Fac: Yes | Max Web CSI: 0.333 |
| | C&C Dist a: 3.12 ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: not in 9.00 ft | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 20.01.01A.0724.12 |
| | Wind Duration: 1.60 | | |

**Lumber**

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

**Plating Notes**

All plates are 3X4 except as noted.

**Wind**

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Note: Laterally brace bottom chord above filler at 2'0" O.C.Max. including a lateral brace at chord ends.

**▲Maximum Reactions (lbs)**

| Loc | Gravity R+ | / R- | / Rh | Non-Gravity / Rw | / U | / RL |
|---|---|---|---|---|---|---|
| B | 341 | /- | /- | /148 | /44 | /206 |
| U | 1230 | /- | /- | /746 | /129 | /- |
| K | 894 | /- | /- | /512 | /53 | /- |

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
U Brg Width = 4.0 Min Req = 1.5
K Brg Width = 4.0 Min Req = 1.5
Bearings B, U, & K are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| C - D | 414 | - 926 | G - H | 584 | - 1224 |
| D - E | 422 | - 751 | H - I | 503 | - 1225 |
| E - F | 517 | - 931 | I - J | 328 | - 927 |
| F - G | 467 | - 857 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| R - Q | 805 | - 227 | P - M | 852 | - 261 |
| Q - P | 805 | - 227 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| T - U | 467 | - 1103 | G - M | 444 | - 164 |
| T - C | 484 | - 1070 | M - L | 840 | - 265 |
| C - R | 785 | - 221 | I - L | 247 | - 540 |
| E - P | 470 | - 237 | L - J | 875 | - 280 |
| F - P | 236 | - 391 | J - K | 308 | - 859 |

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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. Refer to job's General Notes page for additional information.

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

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


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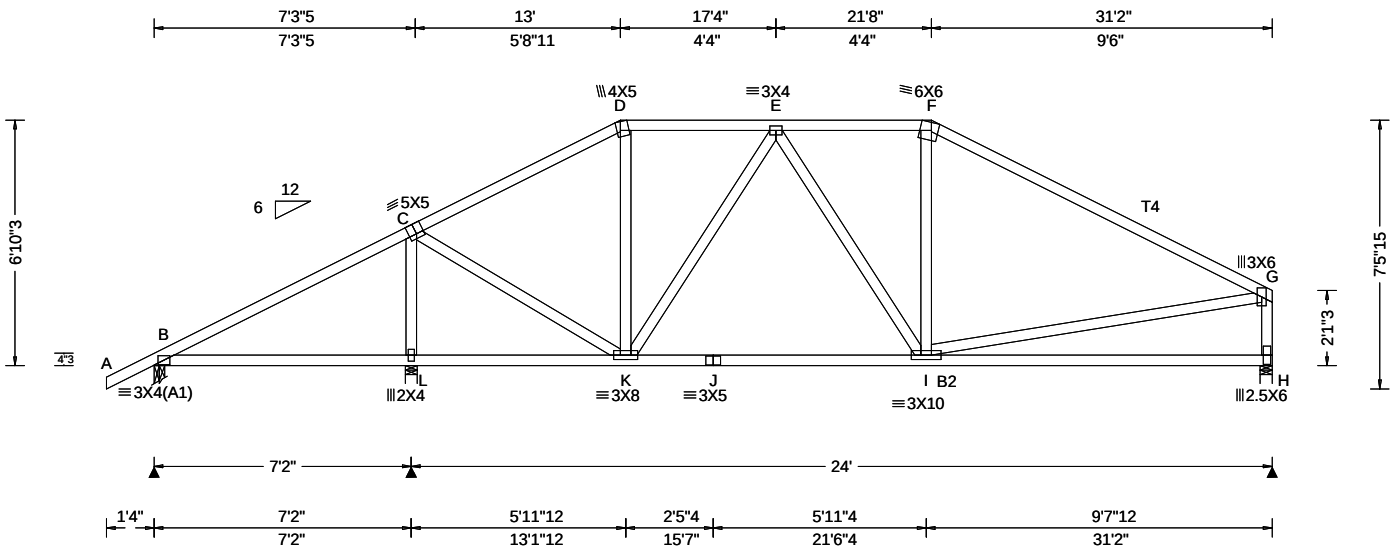
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 1944 / HIPS<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** A03 | Cust: R 215 JRef:1XPP2150004 T31<br>DrwNo: 135.23.1045.04478<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.12 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.027 | I | 999 | 240 |
| VERT(CL): 0.050 | F | 999 | 180 |
| HORZ(LL): 0.010 | L | - | - |
| HORZ(TL): 0.019 | L | - | - |

Creep Factor: 2.0
Max TC CSI: 0.683
Max BC CSI: 0.661
Max Web CSI: 0.545

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 385 | /- | /- | /210 | /81 | /180 |
| L | 1206 | /- | /- | /663 | /253 | /- |
| H | 902 | /- | /- | /500 | /195 | /- |

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
L Brg Width = 4.0 Min Req = 1.5
H Brg Width = 4.0 Min Req = 1.5
Bearings B, L, & H are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| C - D | 411 | - 783 | E - F | 525 | - 884 |
| D - E | 421 | - 632 | F - G | 481 | - 1079 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| K - J | 794 | - 346 | J - I | 794 | - 346 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| L - C | 537 | - 1022 | I - G | 825 | - 305 |
| C - K | 734 | - 279 | G - H | 382 | - 821 |

**Lumber**

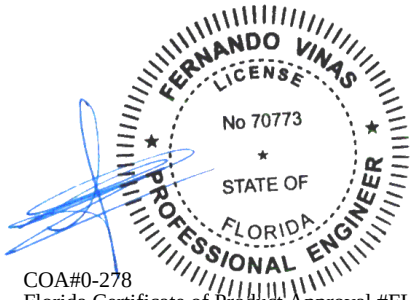
Top chord: 2x4 SP #2; T4 2x4 SP M-31;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;

**Wind**

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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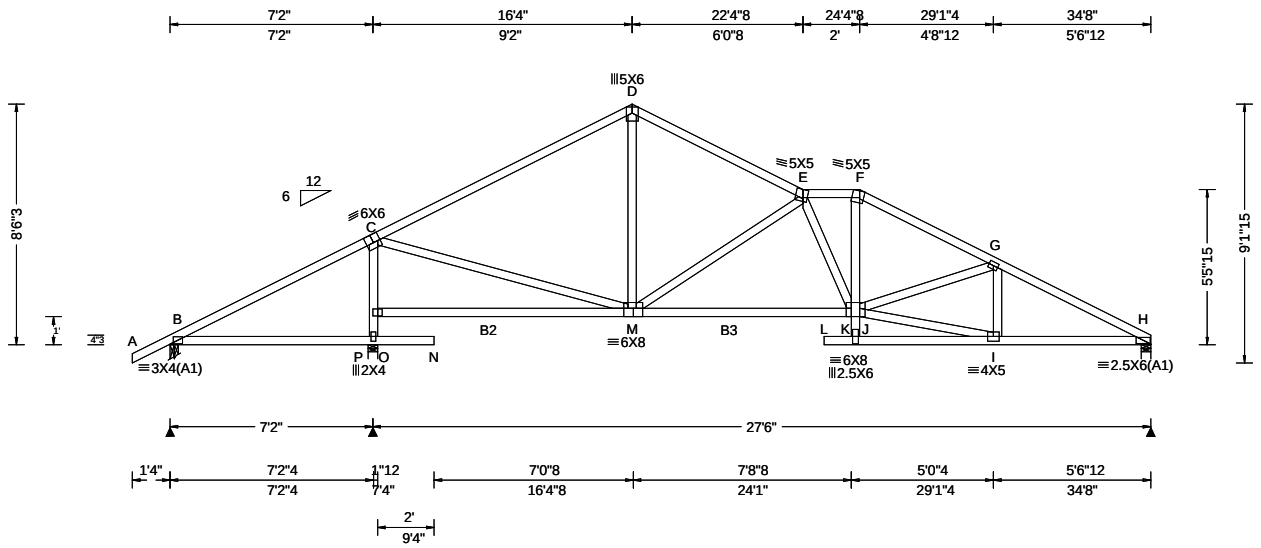
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 1929 / SPEC<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** A04 | Cust: R 215 JRef:1XPP2150004 T36<br>DrwNo: 135.23.1045.03634<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.47 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.086 | E | 999 | 240 |
| VERT(CL): 0.161 | E | 999 | 180 |
| HORZ(LL): 0.024 | I | - | - |
| HORZ(TL): 0.046 | I | - | - |

Creep Factor: 2.0
Max TC CSI: 0.968
Max BC CSI: 0.659
Max Web CSI: 0.975

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| Loc | Gravity R+ | / R- | / Rh | Non-Gravity / Rw | / U | / RL |
|---|---|---|---|---|---|---|
| B | 326 | /- | /- | /143 | /66 | /236 |
| P | 1403 | /- | /- | /841 | /92 | /- |
| H | 1024 | /- | /- | /610 | /66 | /- |

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
P Brg Width = 4.0 Min Req = 1.5
H Brg Width = 4.0 Min Req = 1.5
Bearings B, P, & H are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| C - D | 429 | - 1095 | F - G | 667 | - 1822 |
| D - E | 422 | - 1037 | G - H | 618 | - 1850 |
| E - F | 651 | - 1609 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| M - J | 1640 | - 467 | I - H | 1605 | - 493 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| O - P | 425 | - 1280 | M - E | 445 | - 931 |
| O - C | 443 | - 1238 | J - F | 732 | - 166 |
| C - M | 983 | - 146 | J - I | 1630 | - 484 |
| D - M | 772 | - 105 | | | |

**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31;
Webs: 2x4 SP #3;

**Plating Notes**

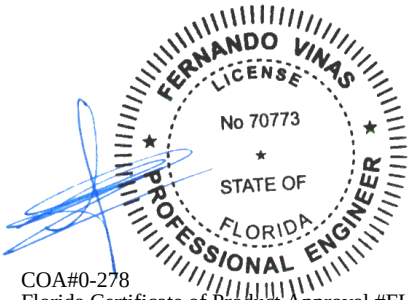
All plates are 3X4 except as noted.

**Wind**

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

Wind loading based on both gable and hip roof types.

Note: Laterally brace bottom chord above filler at 2'0" O.C.Max. including a lateral brace at chord ends.

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05/15/2023

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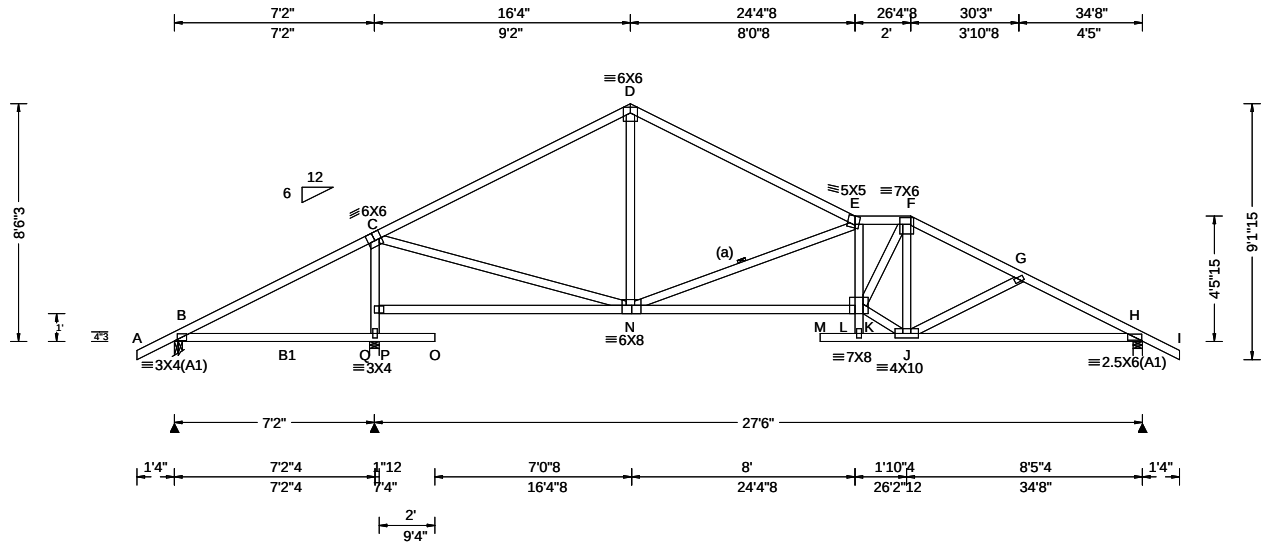
| | | | |
|---|---|---|---|
| SEQN: 1923 / SPEC<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** A05 | Cust: R 215 JRef:1XPP2150004 T29 /<br>DrwNo: 135.23.1045.04634<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.47 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.129 | M | 999 | 240 |
| VERT(CL): 0.248 | M | 999 | 180 |
| HORZ(LL): 0.030 | J | - | - |
| HORZ(TL): 0.055 | J | - | - |

Creep Factor: 2.0
Max TC CSI: 0.935
Max BC CSI: 0.651
Max Web CSI: 0.646

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| Loc | Gravity R+ | / R- | / Rh | Non-Gravity / Rw | / U | / RL |
|---|---|---|---|---|---|---|
| B | 324 | /- | /- | /151 | /73 | /248 |
| Q | 1408 | /- | /- | /851 | /75 | /- |
| H | 1103 | /- | /- | /677 | /80 | /- |

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
Q Brg Width = 4.0 Min Req = 1.5
H Brg Width = 4.0 Min Req = 1.5
Bearings B, Q, & H are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| C - D | 423 | -1093 | F - G | 580 | -1613 |
| D - E | 405 | -1072 | G - H | 667 | -1822 |
| E - F | 809 | -2140 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| N - K | 2166 | -619 | J - H | 1584 | -517 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| P - Q | 394 | -1284 | N - E | 585 | -1386 |
| P - C | 413 | -1242 | K - J | 1697 | -401 |
| C - N | 1005 | -129 | K - F | 1481 | -479 |
| D - N | 757 | -65 | J - F | 231 | -654 |

**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3;

**Bracing**

(a) Continuous lateral restraint equally spaced on member.

**Plating Notes**

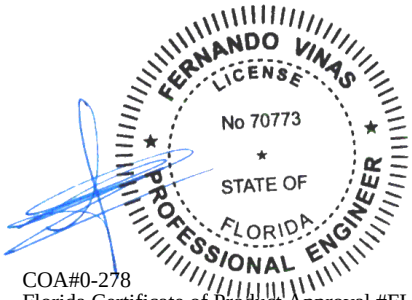
All plates are 2X4 except as noted.

**Wind**

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

Wind loading based on both gable and hip roof types.

Note: Laterally brace bottom chord above filler at 2'0" O.C.Max. including a lateral brace at chord ends.

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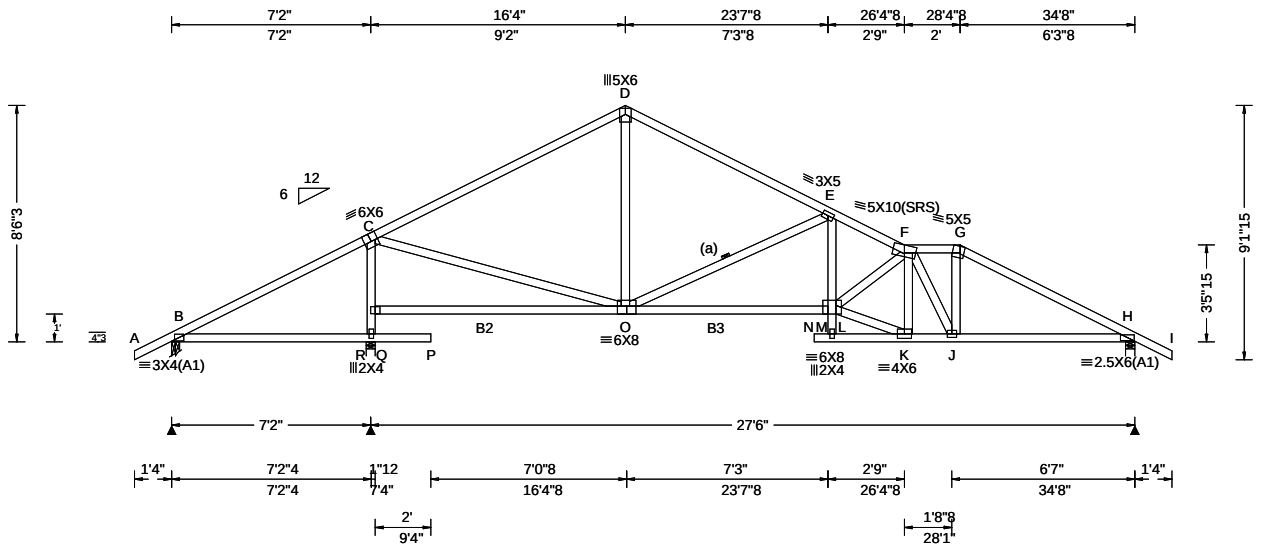
| | | | |
|---|---|---|---|
| SEQN: 1932 / SPEC<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** A06 | Cust: R 215 JRef:1XPP2150004 T28 /<br>DrwNo: 135.23.1045.03243<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 20.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.47 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.110 | N | 999 | 240 |
| VERT(CL): 0.205 | N | 999 | 180 |
| HORZ(LL): 0.028 | D | - | - |
| HORZ(TL): 0.053 | D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.957
Max BC CSI: 0.757
Max Web CSI: 0.733

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| Loc | Gravity R+ | / R- | / Rh | Non-Gravity / Rw | / U | / RL |
|---|---|---|---|---|---|---|
| B | 323 | /- | /- | /150 | /73 | /248 |
| R | 1409 | /- | /- | /850 | /71 | /- |
| H | 1103 | /- | /- | /674 | /80 | /- |

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
R Brg Width = 4.0 Min Req = 1.5
H Brg Width = 4.0 Min Req = 1.5
Bearings B, R, & H are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| C - D | 411 | - 1089 | F - G | 616 | - 1597 |
| D - E | 398 | - 1058 | G - H | 618 | - 1774 |
| E - F | 748 | - 2199 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| O - L | 1968 | - 501 | J - H | 1536 | - 448 |
| K - J | 1782 | - 499 | | | |

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

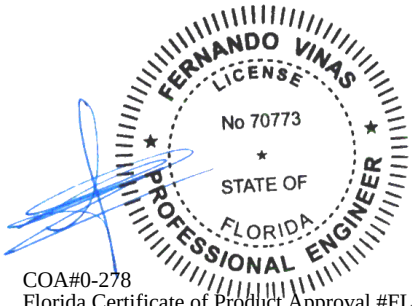
| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| Q - R | 390 | - 1285 | E - L | 942 | - 183 |
| Q - C | 408 | - 1242 | L - K | 1924 | - 529 |
| C - O | 997 | - 110 | F - K | 227 | - 753 |
| D - O | 760 | - 72 | F - J | 155 | - 426 |
| O - E | 486 | - 1216 | J - G | 674 | - 80 |

**Lumber**
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31;
Webs: 2x4 SP #3;

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

**Plating Notes**
All plates are 3X4 except as noted.

**Wind**
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Note: Laterally brace bottom chord above filler at 2'0" O.C.Max. including a lateral brace at chord ends.

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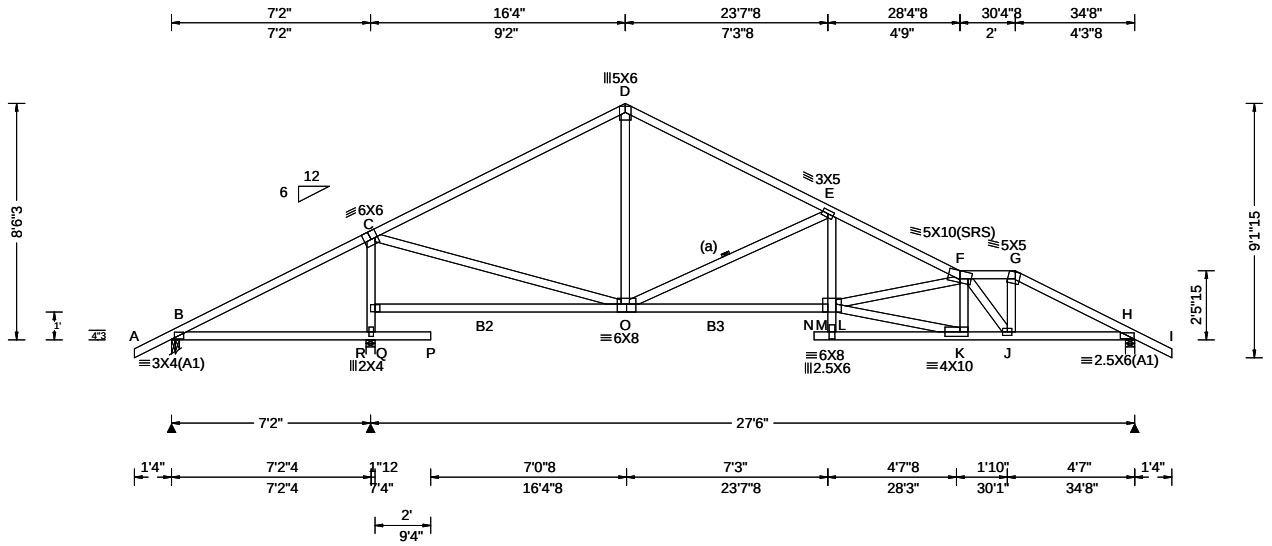
| | | | | |
|---|---|---|---|---|
| SEQN: 1935 / SPEC<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** A07 | Cust: R 215 JRef:1XPP2150004 T35 /<br>DrwNo: 135.23.1045.04056<br>KD / FV 05/15/2023 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.47 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.120 | L | 999 | 240 |
| VERT(CL): 0.224 | L | 999 | 180 |
| HORZ(LL): 0.031 | D | - | - |
| HORZ(TL): 0.060 | D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.965
Max BC CSI: 0.641
Max Web CSI: 0.841

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 320 | /- | /- | /145 | /72 | /248 |
| R | 1418 | /- | /- | /851 | /67 | /- |
| H | 1101 | /- | /- | /671 | /79 | /- |

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
R Brg Width = 4.0 Min Req = 1.5
H Brg Width = 4.0 Min Req = 1.5
Bearings B, R, & H are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| C - D | 397 | - 1083 | F - G | 614 | - 1701 |
| D - E | 385 | - 1053 | G - H | 623 | - 1823 |
| E - F | 696 | - 2225 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| O - L | 1958 | - 457 | J - H | 1599 | - 468 |
| K - J | 2197 | - 614 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| Q - R | 388 | - 1295 | E - L | 930 | - 146 |
| Q - C | 407 | - 1252 | L - K | 2207 | - 613 |
| C - O | 1011 | - 103 | F - K | 188 | - 444 |
| D - O | 756 | - 61 | F - J | 263 | - 807 |
| O - E | 452 | - 1211 | J - G | 772 | - 168 |

**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31;
Webs: 2x4 SP #3;

**Bracing**

(a) Continuous lateral restraint equally spaced on member.

**Plating Notes**

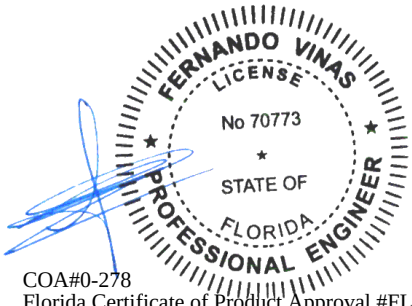
All plates are 3X4 except as noted.

**Wind**

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

Wind loading based on both gable and hip roof types.

Note: Laterally brace bottom chord above filler at 2'0" O.C.Max. including a lateral brace at chord ends.

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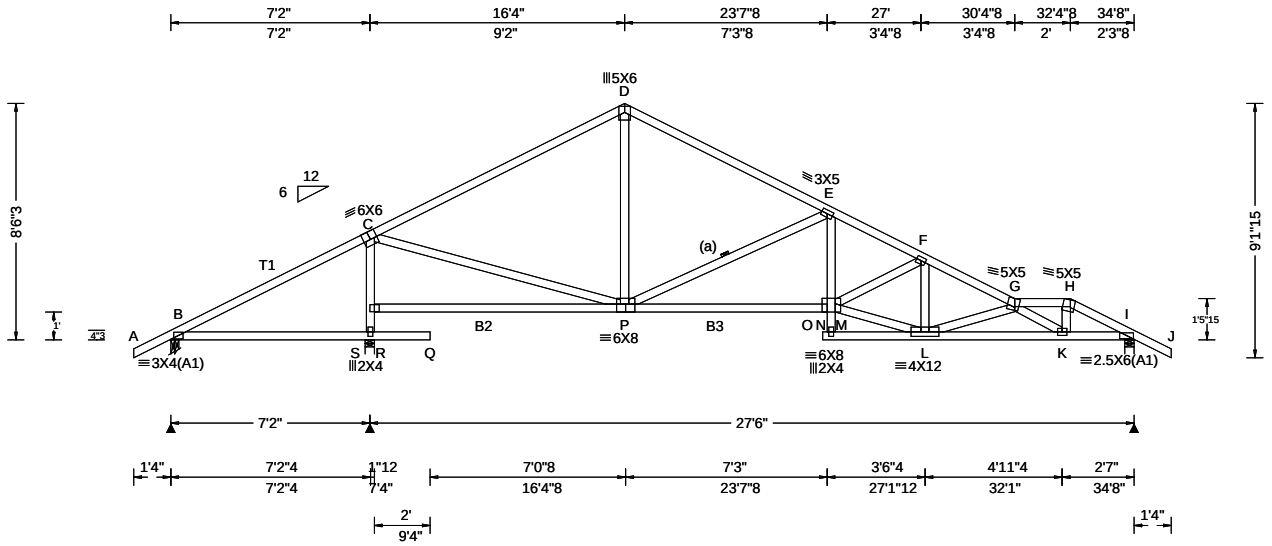
| | | | |
|---|---|---|---|
| SEQN: 1938 / SPEC<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** A08 | Cust: R 215 JRef:1XPP2150004 T30 /<br>DrwNo: 135.23.1045.02979<br>KD / FV 05/15/2023 |




| Loading Criteria (psf) | | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria |
|---|---|---|---|---|
| TCLL: | 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: | 7.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.143 O 999 240 |
| BCLL: | 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.266 O 999 180 |
| BCDL: | 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.037 D - - |
| Des Ld: | 37.00 | EXP: C Kzt: NA | | HORZ(TL): 0.069 D - - |
| NCBCLL: | 20.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: | 2.00 | TCDL: 4.2 psf | FBC 2017 RES | Max TC CSI: 0.915 |
| Load Duration: | 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.884 |
| Spacing: | 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Varies by Ld Case | Max Web CSI: 0.785 |
| | | C&C Dist a: 3.47 ft | FT/RT:20(0)/10(0) | |
| | | Loc. from endwall: not in 9.00 ft | Plate Type(s): | |
| | | GCpi: 0.18 | WAVE | VIEW Ver: 20.01.01A.0724.12 |
| | | Wind Duration: 1.60 | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 310 | /- | /- | /- | /69 | /- |
| S | 1451 | /- | /- | /- | /310 | /- |
| I | 1258 | /- | /- | /- | /265 | /- |

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
S Brg Width = 4.0 Min Req = 1.5
I Brg Width = 4.0 Min Req = 1.5
Bearings B, S, & I 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. |
|---|---|---|---|---|---|
| C - D | 253 | -1087 | F - G | 464 | -2254 |
| D - E | 237 | -1055 | G - H | 360 | -1999 |
| E - F | 485 | -2257 | H - I | 385 | -2054 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| P - M | 1997 | -424 | K - I | 1789 | -328 |
| L - K | 3048 | -627 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| R - S | 368 | -1332 | E - M | 947 | -88 |
| R - C | 389 | -1287 | M - L | 2060 | -410 |
| C - P | 1050 | -204 | L - G | 244 | -1133 |
| D - P | 747 | 0 | G - K | 326 | -1279 |
| P - E | 274 | -1250 | K - H | 884 | -137 |

**Lumber**

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31;
Webs: 2x4 SP #3;

**Bracing**

(a) Continuous lateral restraint equally spaced on member.

**Special Loads**

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

| | | | | |
|---|---|---|---|---|
| TC: From | 56 plf at | -1.33 to | 56 plf at | 36.00 |
| BC: From | 4 plf at | -1.33 to | 4 plf at | 0.00 |
| BC: From | 20 plf at | 0.00 to | 20 plf at | 34.67 |
| BC: From | 4 plf at | 34.67 to | 4 plf at | 36.00 |

BC: 173 lb Conc. Load at 32.73

**Plating Notes**

All plates are 3X4 except as noted.

**Wind**

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Note: Laterally brace bottom chord above filler at 2'0" O.C.Max. including a lateral brace at chord ends.

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6750 Forum Drive
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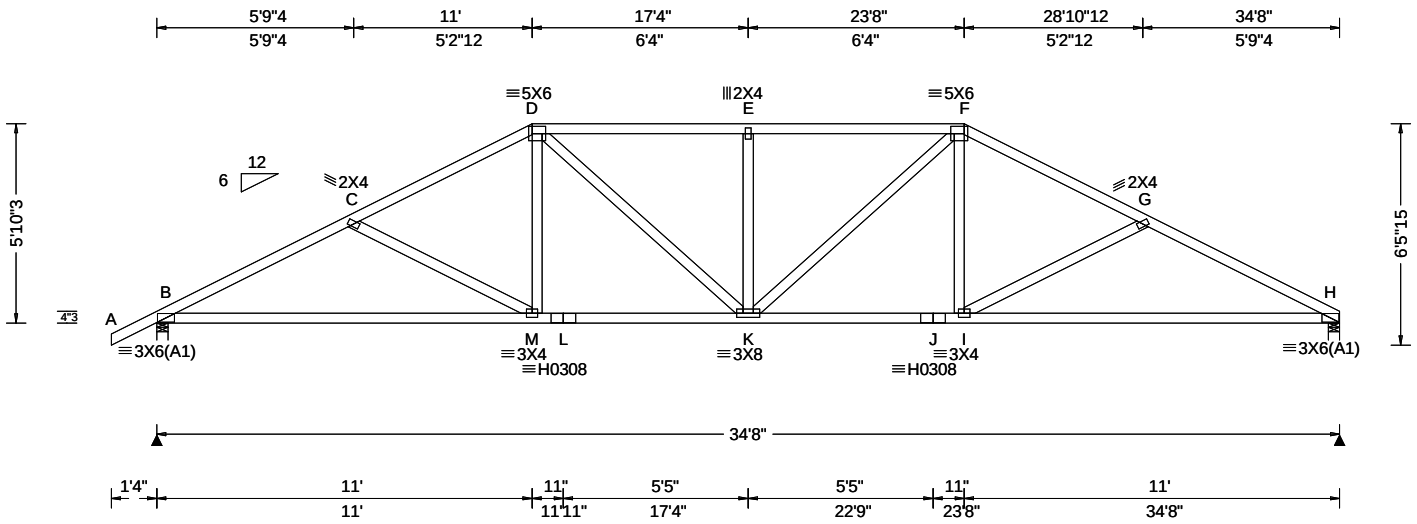
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 1947 / HIPS<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** A09 | Cust: R 215 JRef:1XPP2150004 T3 /<br>DrwNo: 135.23.1045.02868<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.47 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.130 | E | 999 | 240 |
| VERT(CL): 0.245 | E | 999 | 180 |
| HORZ(LL): 0.042 | I | - | - |
| HORZ(TL): 0.079 | I | - | - |

Creep Factor: 2.0
Max TC CSI: 0.440
Max BC CSI: 0.670
Max Web CSI: 0.360

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 1393 | /- | /- | /776 | /308 | /166 |
| H | 1311 | /- | /- | /710 | /281 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
H Brg Width = 4.0 Min Req = 1.5
Bearings B & H are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 1038 | - 2378 | E - F | 1074 | - 2044 |
| C - D | 943 | - 2074 | F - G | 945 | - 2077 |
| D - E | 1074 | - 2044 | G - H | 1043 | - 2392 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - M | 2072 | - 883 | K - J | 1835 | - 679 |
| M - L | 1833 | - 703 | J - I | 1835 | - 679 |
| L - K | 1833 | - 703 | I - H | 2088 | - 864 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| D - M | 672 | 0 | F - I | 675 | 0 |

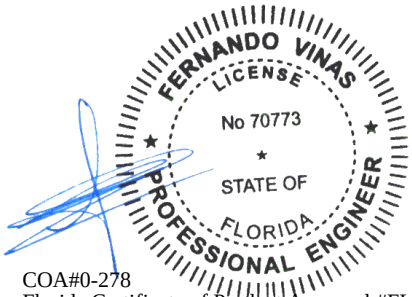
**Lumber**

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

**Wind**

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

Wind loading based on both gable and hip roof types.

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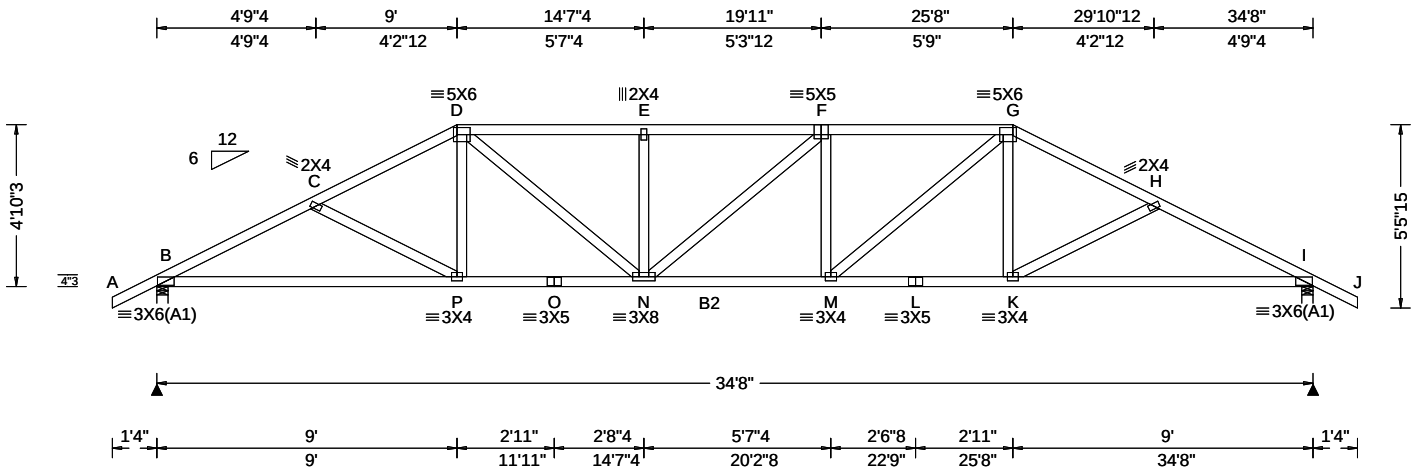
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 1950 / HIPS<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** A10 | Cust: R 215 JRef:1XPP2150004 T2 /<br>DrwNo: 135.23.1045.04603<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.47 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.166 | E | 999 | 240 |
| VERT(CL): 0.309 | E | 999 | 180 |
| HORZ(LL): 0.051 | K | - | - |
| HORZ(TL): 0.095 | K | - | - |

Creep Factor: 2.0
Max TC CSI: 0.349
Max BC CSI: 0.805
Max Web CSI: 0.403

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 1391 | /- | /- | /766 | /309 | /152 |
| I | 1391 | /- | /- | /766 | /309 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
I Brg Width = 4.0 Min Req = 1.5
Bearings B & I 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 | 1141 | - 2416 | F - G | 1295 | - 2409 |
| C - D | 1071 | - 2196 | G - H | 1072 | - 2196 |
| D - E | 1307 | - 2419 | H - I | 1141 | - 2415 |
| E - F | 1306 | - 2419 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - P | 2108 | - 939 | M - L | 1949 | - 798 |
| P - O | 1949 | - 802 | L - K | 1949 | - 798 |
| O - N | 1949 | - 802 | K - I | 2108 | - 933 |
| N - M | 2417 | - 1099 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| D - P | 517 | 0 | M - G | 638 | - 415 |
| D - N | 653 | - 429 | G - K | 514 | 0 |

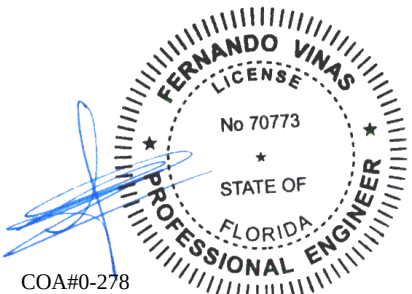
**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B2 2x4 SP #2;
Webs: 2x4 SP #3;

**Wind**

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

Wind loading based on both gable and hip roof types.

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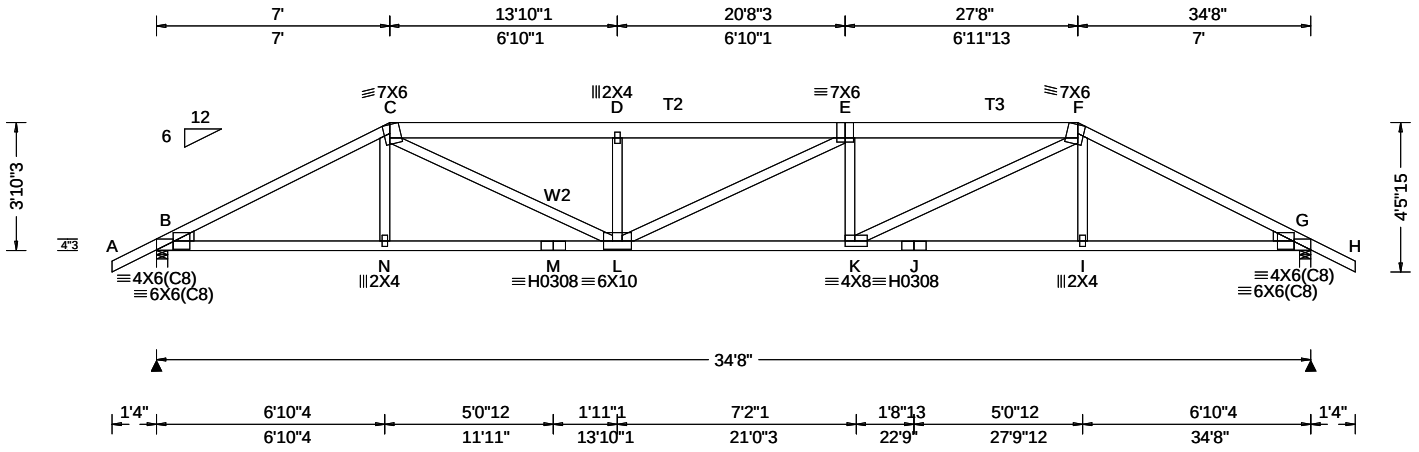
| | | | |
|---|---|---|---|
| SEQN: 1955 / HIPS<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** A11 | Cust: R 215 JRef:1XPP2150004 T5 /<br>DrwNo: 135.23.1045.02822<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 0.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 10.86 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.47 ft
Loc. from endwall: NA
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.364 | E | 999 | 240 |
| VERT(CL): 0.688 | E | 599 | 180 |
| HORZ(LL): 0.113 | I | - | - |
| HORZ(TL): 0.214 | I | - | - |

Creep Factor: 2.0
Max TC CSI: 0.431
Max BC CSI: 0.874
Max Web CSI: 0.983

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 2732 | /- | /- | /- | /585 | /- |
| G | 2734 | /- | /- | /- | /585 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 2.3
G Brg Width = 4.0 Min Req = 2.3
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 | 1108 | - 5341 | E - F | 1427 | - 6971 |
| C - D | 1449 | - 7045 | F - G | 1111 | - 5347 |
| D - E | 1448 | - 7043 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - N | 4704 | - 958 | K - J | 4683 | - 962 |
| N - M | 4678 | - 959 | J - I | 4683 | - 962 |
| M - L | 4678 | - 959 | I - G | 4710 | - 962 |
| L - K | 7042 | - 1459 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| N - C | 632 | 0 | E - K | 398 | - 875 |
| C - L | 2657 | - 549 | K - F | 2580 | - 523 |
| D - L | 401 | - 879 | F - I | 632 | 0 |

**Lumber**

Top chord: 2x4 SP M-31; T2,T3 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W2 2x4 SP #2;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

**Loading**

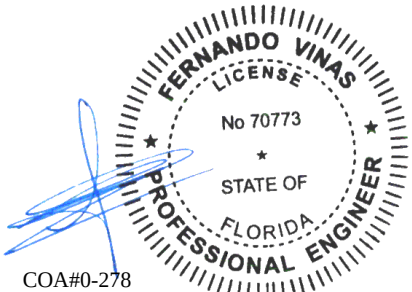
#1 hip supports 7-0-0 jacks with no webs.

Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and 0-0-0 overhang.

**Wind**

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.




COA#0-278
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05/15/2023

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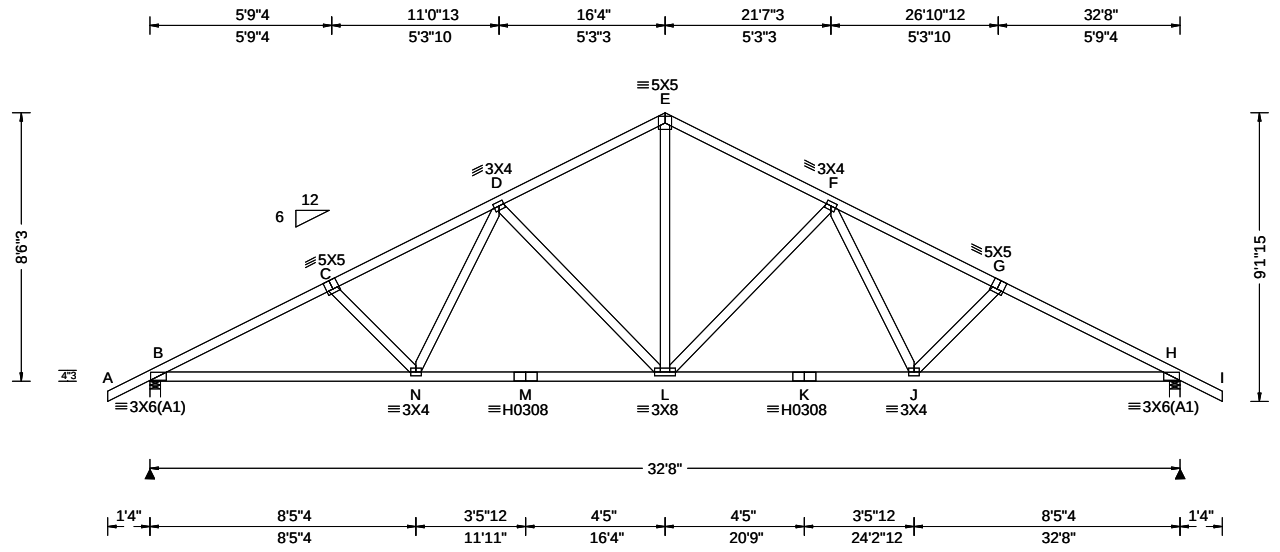
| | | | |
|---|---|---|---|
| SEQN: 1873 / COMN<br>FROM: SDY | Ply: 1<br>Qty: 5 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** B01 | Cust: R 215 JRef:1XPP2150004 T19<br>DrwNo: 135.23.1045.03993<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.27 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.126 | L | 999 | 240 |
| VERT(CL): 0.222 | L | 999 | 180 |
| HORZ(LL): 0.042 | J | - | - |
| HORZ(TL): 0.074 | J | - | - |

Creep Factor: 2.0
Max TC CSI: 0.315
Max BC CSI: 0.498
Max Web CSI: 0.647

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 1405 | /- | /- | /738 | /61 | /246 |
| H | 1405 | /- | /- | /738 | /61 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
H Brg Width = 4.0 Min Req = 1.5
Bearings B & H are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 587 | - 2441 | E - F | 493 | - 1590 |
| C - D | 562 | - 2237 | F - G | 562 | - 2237 |
| D - E | 493 | - 1590 | G - H | 587 | - 2441 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - N | 2122 | - 431 | L - K | 1759 | - 295 |
| N - M | 1759 | - 298 | K - J | 1759 | - 295 |
| M - L | 1759 | - 298 | J - H | 2122 | - 428 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| N - D | 624 | - 44 | L - F | 234 | - 573 |
| D - L | 234 | - 573 | F - J | 624 | - 44 |
| E - L | 1158 | - 245 | | | |

**Lumber**

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

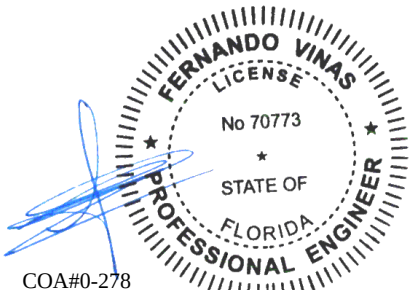
**Loading**

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.




COA#0-278
Florida Certificate of Product Approval #FL1999
05/15/2023

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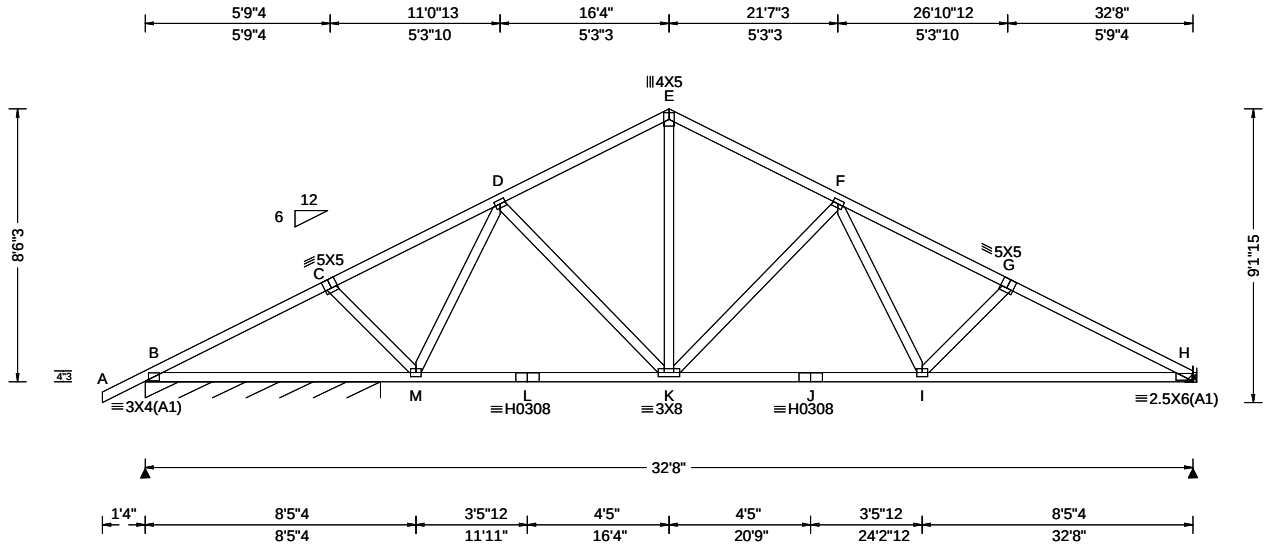
| | | | |
|---|---|---|---|
| SEQN: 1876 / COMN<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** B02 | Cust: R 215 JRef:1XPP2150004 T40<br>DrwNo: 135.23.1045.02885<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.27 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.081 | F | 999 | 240 |
| VERT(CL): 0.152 | F | 999 | 180 |
| HORZ(LL): 0.028 | I | - | - |
| HORZ(TL): 0.052 | I | - | - |

Creep Factor: 2.0
Max TC CSI: 0.330
Max BC CSI: 0.548
Max Web CSI: 0.611

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B* | 197 | /- | /- | /111 | /8 | /32 |
| H | 1107 | /- | /- | /612 | /54 | /- |

Wind reactions based on MWFRS
B Brg Width = 88.0 Min Req = -
H Brg Width = - 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 | 426 | -1385 | E - F | 442 | -1175 |
| C - D | 401 | -1182 | F - G | 524 | -1781 |
| D - E | 444 | -1176 | G - H | 553 | -1992 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - M | 2351 | -642 | K - J | 1366 | -284 |
| M - L | 1092 | -242 | J - I | 1366 | -284 |
| L - K | 1092 | -242 | I - H | 1728 | -430 |

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

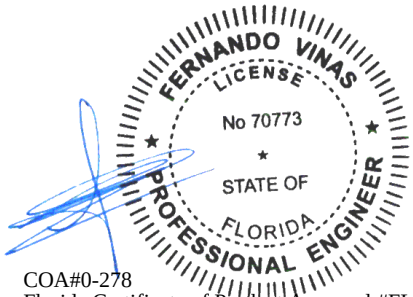
| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| E - K | 876 | -201 | F - I | 627 | -63 |
| K - F | 237 | -541 | | | |

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

**Plating Notes**
All plates are 3X4 except as noted.

**Hangers / Ties**
(J) Hanger Support Required, by others

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

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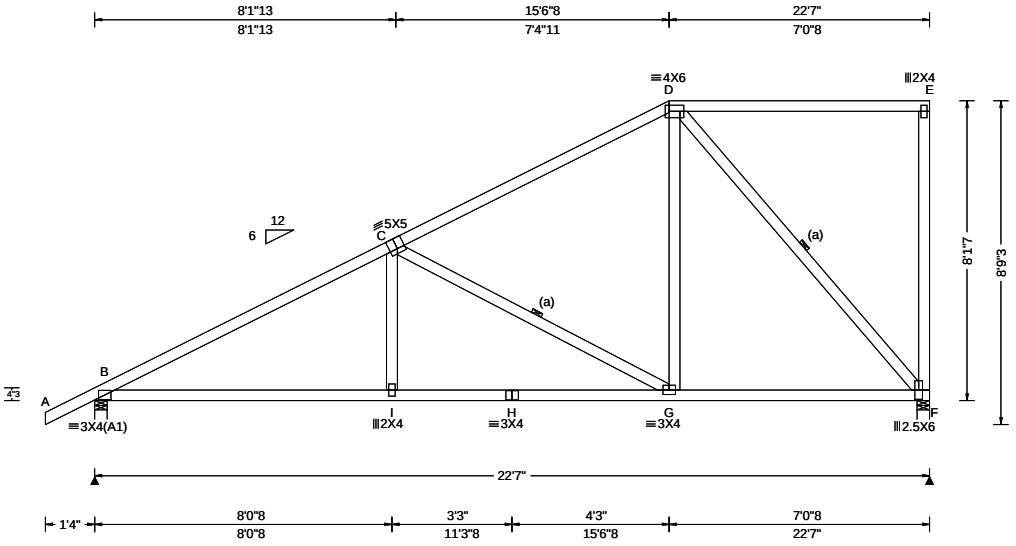
| | | | |
|---|---|---|---|
| SEQN: 1856 / HIPM<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** C01 | Cust: R 215 JRef:1XPP2150004 T25 /<br>DrwNo: 135.23.1045.04385<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.040 | I | 999 | 240 |
| VERT(CL): 0.077 | I | 999 | 180 |
| HORZ(LL): 0.013 | F | - | - |
| HORZ(TL): 0.024 | F | - | - |

Creep Factor: 2.0
Max TC CSI: 0.865
Max BC CSI: 0.410
Max Web CSI: 0.459

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 941 | /- | /- | /586 | /62 | /213 |
| F | 847 | /- | /- | /481 | /169 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
F Brg Width = 4.0 Min Req = 1.5
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 | 388 | -1383 | C - D | 257 | -710 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - I | 1167 | -577 | H - G | 1159 | -579 |
| I - H | 1159 | -579 | G - F | 563 | -281 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| I - C | 480 | 0 | D - G | 809 | -81 |
| C - G | 341 | -714 | D - F | 419 | -842 |

**Lumber**

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

Wind loading based on both gable and hip roof types.

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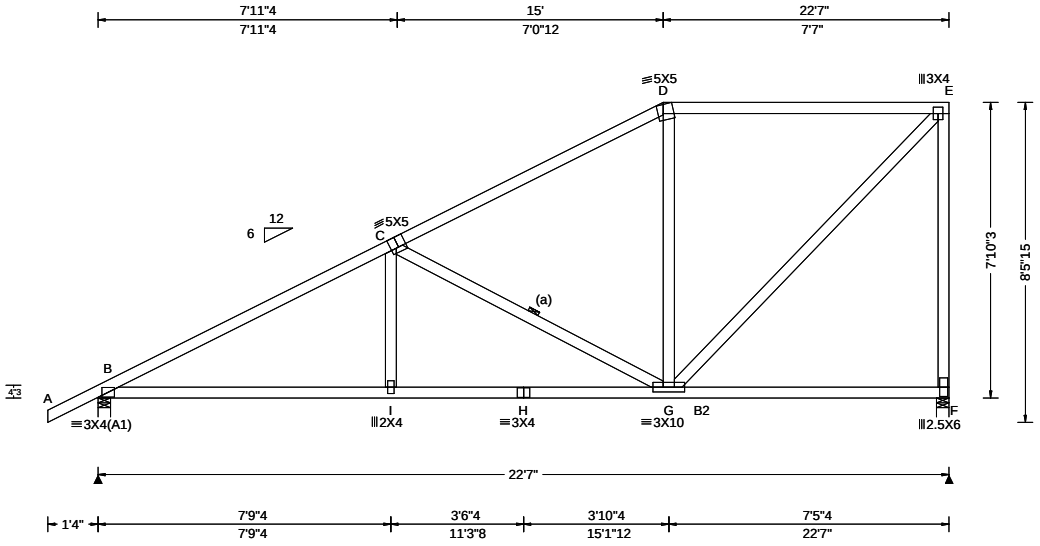
| | | | |
|---|---|---|---|
| SEQN: 1859 / HIPM<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** C02 | Cust: R 215 JRef:1XPP2150004 T21<br>DrwNo: 135.23.1045.04290<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.043 | I | 999 | 240 |
| VERT(CL): 0.081 | I | 999 | 180 |
| HORZ(LL): 0.013 | G | - | - |
| HORZ(TL): 0.024 | G | - | - |

Creep Factor: 2.0
Max TC CSI: 0.792
Max BC CSI: 0.960
Max Web CSI: 0.999

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 943 | /- | /- | /585 | /65 | /205 |
| F | 848 | /- | /- | /474 | /170 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
F Brg Width = 4.0 Min Req = 1.5
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 | 398 | -1386 | D - E | 337 | -611 |
| C - D | 305 | -764 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - I | 1177 | -572 | H - G | 1167 | -573 |
| I - H | 1167 | -573 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| I - C | 455 | 0 | G - E | 871 | -479 |
| C - G | 262 | -637 | E - F | 565 | -786 |

**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;

**Bracing**

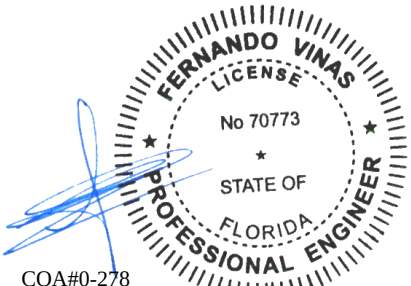
(a) Continuous lateral restraint equally spaced on member.

**Wind**

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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05/15/2023

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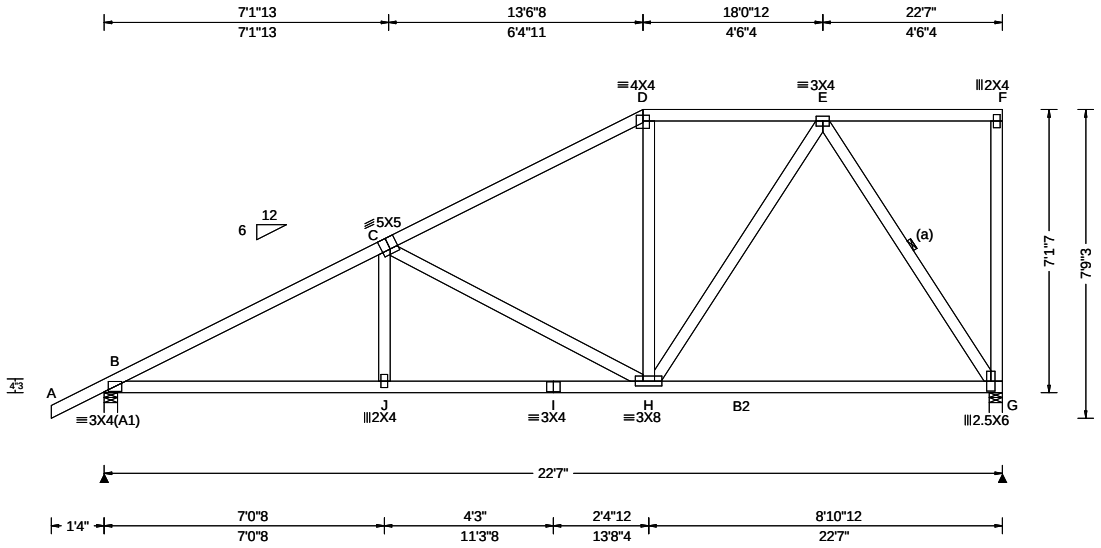
Suite 305
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 1853 / HIPM<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** C03 | Cust: R 215 JRef:1XPP2150004 T24<br>DrwNo: 135.23.1045.03259<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.041 | J | 999 | 240 |
| VERT(CL): 0.077 | J | 999 | 180 |
| HORZ(LL): 0.015 | G | - | - |
| HORZ(TL): 0.029 | G | - | - |

Creep Factor: 2.0
Max TC CSI: 0.447
Max BC CSI: 0.722
Max Web CSI: 0.611

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 940 | /- | /- | /581 | /78 | /187 |
| G | 847 | /- | /- | /459 | /175 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.5
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 | 479 | - 1413 | D - E | 388 | - 734 |
| C - D | 377 | - 867 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - J | 1203 | - 625 | I - H | 1195 | - 626 |
| J - I | 1195 | - 626 | H - G | 444 | - 312 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| C - H | 270 | - 566 | E - G | 566 | - 804 |
| H - E | 623 | - 140 | | | |

**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;

**Bracing**

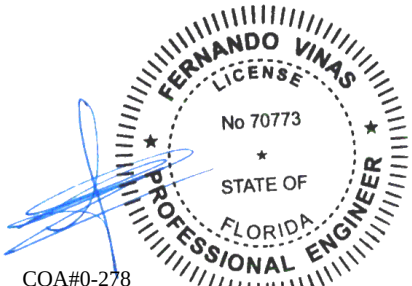
(a) Continuous lateral restraint equally spaced on member.

**Wind**

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.




COA#0-278
Florida Certificate of Product Approval #FL1999
05/15/2023

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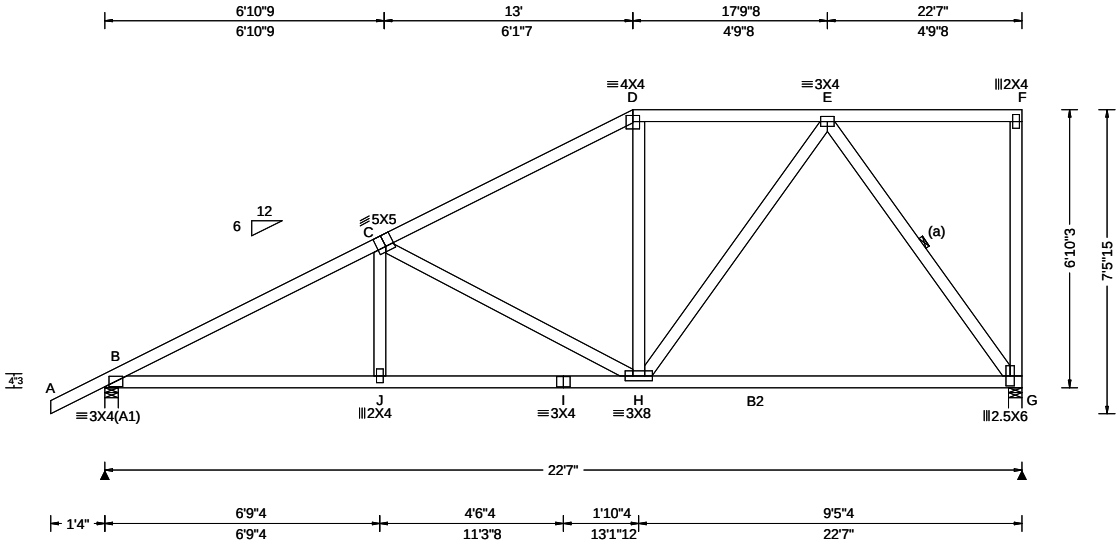
Suite 305
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 1862 / HIPM<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** C04 | Cust: R 215 JRef:1XPP2150004 T22 /<br>DrwNo: 135.23.1045.04134<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.042 | J | 999 | 240 |
| VERT(CL): 0.077 | J | 999 | 180 |
| HORZ(LL): 0.015 | G | - | - |
| HORZ(TL): 0.029 | G | - | - |

Creep Factor: 2.0
Max TC CSI: 0.403
Max BC CSI: 0.691
Max Web CSI: 0.530

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 943 | /- | /- | /579 | /82 | /180 |
| G | 848 | /- | /- | /453 | /176 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.5
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 | 505 | -1427 | D - E | 416 | -784 |
| C - D | 410 | -912 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - J | 1213 | -639 | I - H | 1208 | -640 |
| J - I | 1208 | -640 | H - G | 483 | -347 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| C - H | 258 | -533 | E - G | 589 | -819 |
| H - E | 616 | -118 | | | |

**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;

**Bracing**

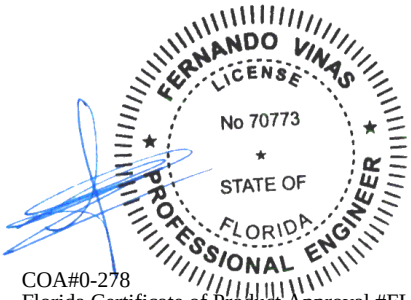
(a) Continuous lateral restraint equally spaced on member.

**Wind**

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.




COA#0-278
Florida Certificate of Product Approval #FL1999
05/15/2023

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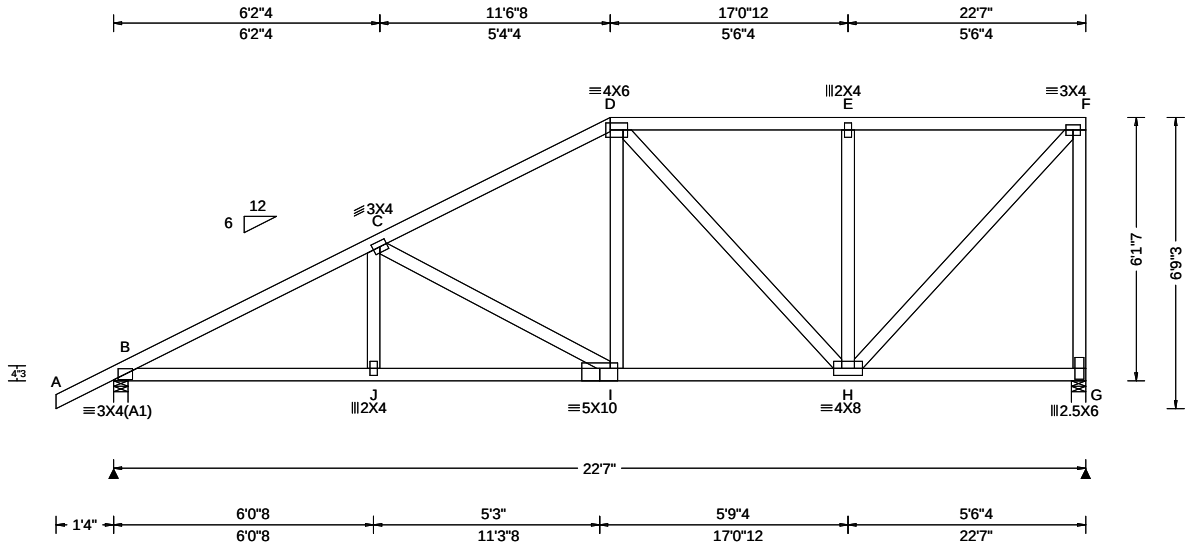
| | | | |
|---|---|---|---|
| SEQN: 1850 / HIPM<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** C05 | Cust: R 215 JRef:1XPP2150004 T23 /<br>DrwNo: 135.23.1045.03525<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 20.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**

Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

**Snow Criteria** (Pg,Pf in PSF)

Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.045 | J | 999 | 240 |
| VERT(CL): 0.085 | J | 999 | 180 |
| HORZ(LL): 0.016 | H | - | - |
| HORZ(TL): 0.030 | H | - | - |

Creep Factor: 2.0
Max TC CSI: 0.438
Max BC CSI: 0.667
Max Web CSI: 0.750

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 943 | /- | /- | /572 | /95 | /161 |
| G | 848 | /- | /- | /440 | /179 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.5
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 | 592 | -1461 | D - E | 441 | -646 |
| C - D | 525 | -1009 | E - F | 441 | -646 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - J | 1263 | -709 | I - H | 844 | -526 |
| J - I | 1253 | -710 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| C - I | 212 | -471 | H - F | 939 | -640 |
| D - I | 550 | -55 | F - G | 616 | -801 |
| E - H | 442 | -351 | | | |

**Lumber**

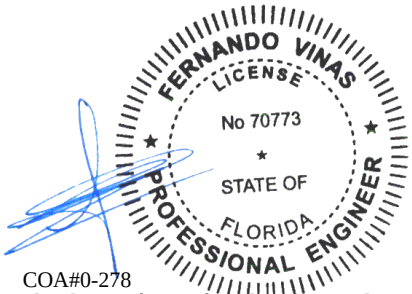
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

**Wind**

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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05/15/2023

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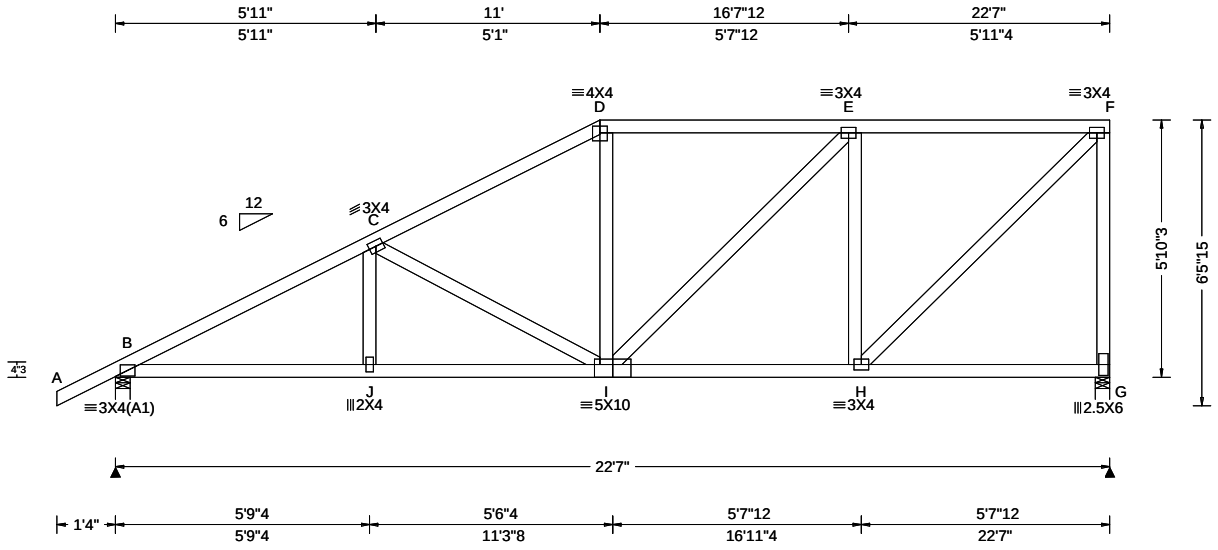
| | | | |
|---|---|---|---|
| SEQN: 1870 / HIPM<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** C06 | Cust: R 215 JRef:1XPP2150004 T11<br>DrwNo: 135.23.1045.04556<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.040 | I | 999 | 240 |
| VERT(CL): 0.075 | J | 999 | 180 |
| HORZ(LL): 0.012 | C | - | - |
| HORZ(TL): 0.022 | C | - | - |

Creep Factor: 2.0
Max TC CSI: 0.491
Max BC CSI: 0.258
Max Web CSI: 0.761

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 943 | /- | /- | /569 | /99 | /154 |
| G | 848 | /- | /- | /435 | /180 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.5
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 | 617 | - 1470 | D - E | 550 | - 885 |
| C - D | 554 | - 1041 | E - F | 464 | - 687 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - J | 1273 | - 723 | I - H | 708 | - 491 |
| J - I | 1264 | - 725 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| C - I | 200 | - 445 | H - F | 964 | - 651 |
| E - H | 524 | - 542 | F - G | 620 | - 800 |

**Lumber**

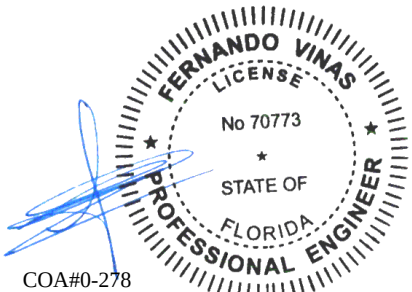
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

**Wind**

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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05/15/2023

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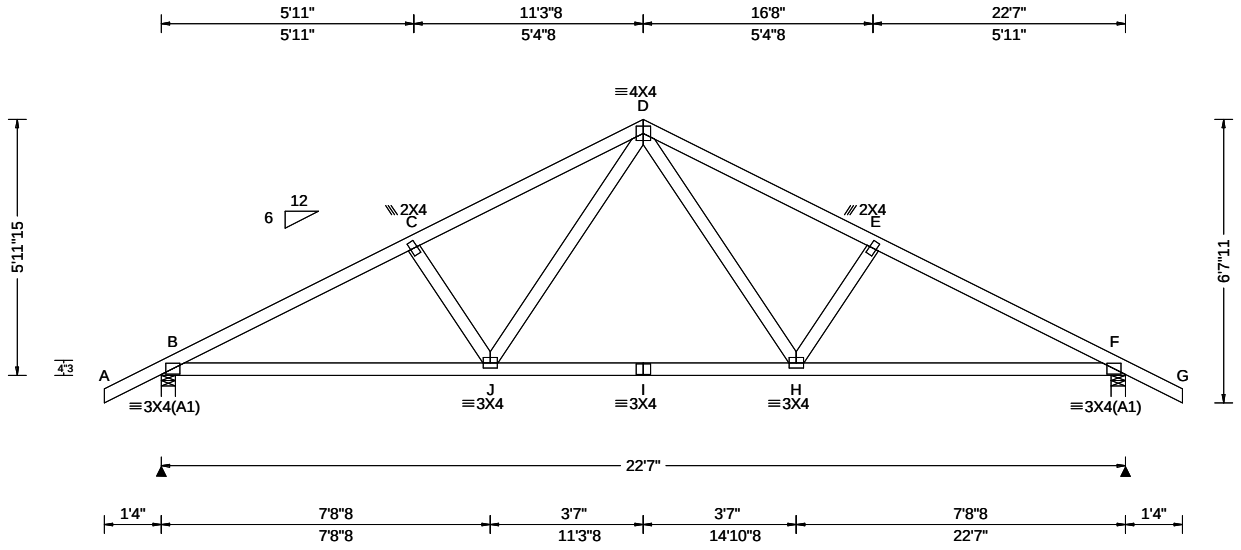
6750 Forum Drive
Suite 305
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 1827 / COMN<br>FROM: SDY | Ply: 1<br>Qty: 3 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** C07 | Cust: R 215 JRef:1XPP2150004 T14<br>DrwNo: 135.23.1045.04337<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.059 | H | 999 | 240 |
| VERT(CL): 0.106 | H | 999 | 180 |
| HORZ(LL): 0.023 | H | - | - |
| HORZ(TL): 0.041 | H | - | - |

Creep Factor: 2.0
Max TC CSI: 0.274
Max BC CSI: 0.958
Max Web CSI: 0.241

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 977 | /- | /- | /527 | /204 | /179 |
| F | 977 | /- | /- | /527 | /204 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
F Brg Width = 4.0 Min Req = 1.5
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 | 700 | - 1535 | D - E | 697 | - 1375 |
| C - D | 697 | - 1375 | E - F | 700 | - 1535 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - J | 1316 | - 527 | I - H | 894 | - 255 |
| J - I | 894 | - 255 | H - F | 1316 | - 503 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| J - D | 632 | - 212 | D - H | 632 | - 212 |

**Lumber**

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

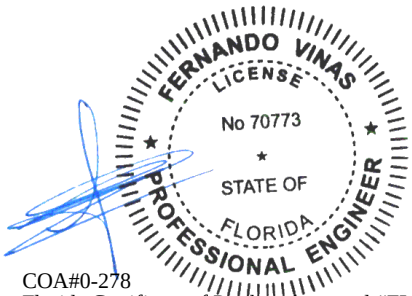
**Loading**

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.




COA#0-278
Florida Certificate of Product Approval #FL1999
05/15/2023

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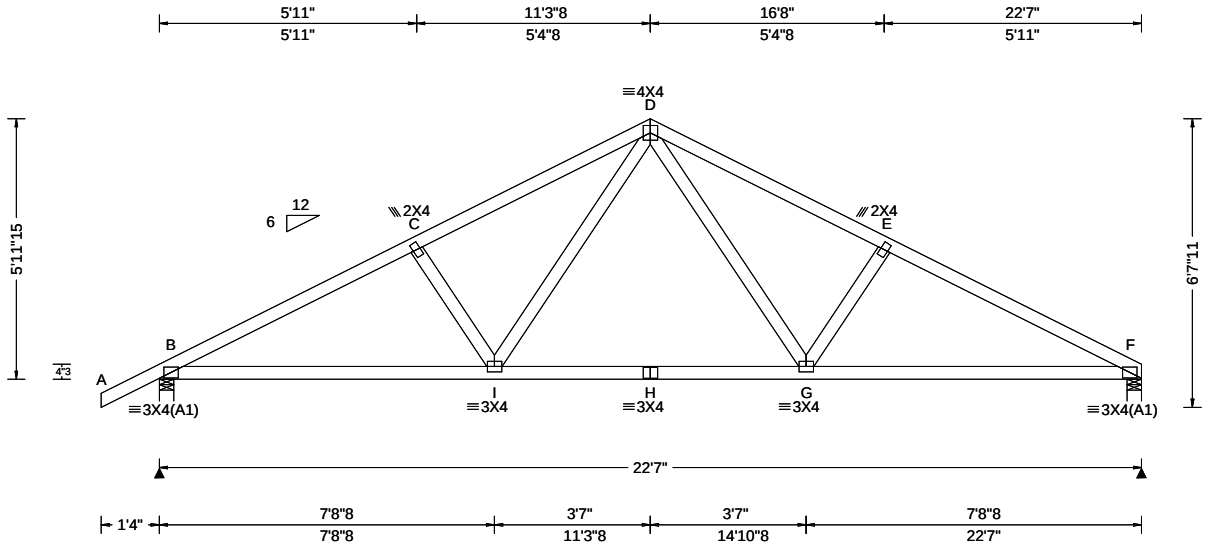
6750 Forum Drive
Suite 305
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 1830 / COMN<br>FROM: SDY | Ply: 1<br>Qty: 8 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** C08 | Cust: R 215 JRef:1XPP2150004 T13<br>DrwNo: 135.23.1045.04401<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 20.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.059 | I | 999 | 240 |
| VERT(CL): 0.105 | I | 999 | 180 |
| HORZ(LL): 0.023 | G | - | - |
| HORZ(TL): 0.042 | G | - | - |

Creep Factor: 2.0
Max TC CSI: 0.292
Max BC CSI: 0.965
Max Web CSI: 0.243

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 980 | /- | /- | /526 | /205 | /166 |
| F | 894 | /- | /- | /461 | /177 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
F Brg Width = 4.0 Min Req = 1.5
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 | 484 | -1541 | D - E | 496 | -1392 |
| C - D | 485 | -1381 | E - F | 494 | -1553 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - I | 1321 | -374 | H - G | 900 | -179 |
| I - H | 900 | -179 | G - F | 1335 | -370 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| I - D | 632 | -138 | D - G | 638 | -150 |

**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.

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05/15/2023

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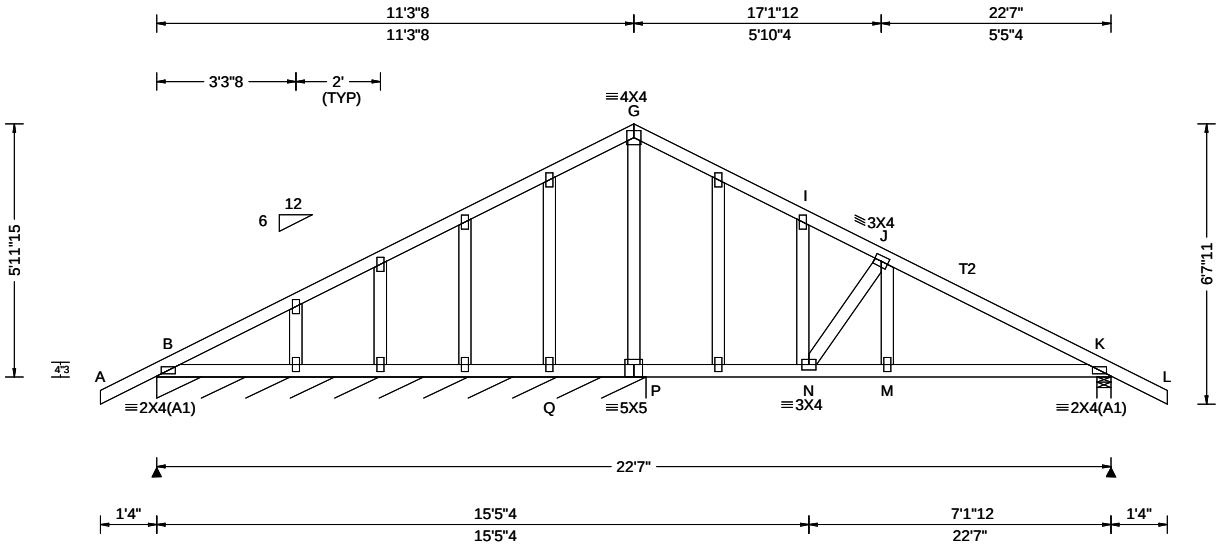
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 1824 / GABL<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** C09 | Cust: R 215 JRef:1XPP2150004 T15 /<br>DrwNo: 135.23.1045.03932<br>KD / FV 05/15/2023 |




| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 7.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.189 I 706 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.353 I 378 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): -0.094 I - - |
| Des Ld: 37.00 | EXP: C Kzt: NA | | HORZ(TL): 0.176 I - - |
| NCBCLL: 20.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 4.2 psf | FBC 2017 RES | Max TC CSI: 0.384 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.466 |
| Spacing: 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes | Max Web CSI: 0.189 |
| | C&C Dist a: 3.00 ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: Any | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 20.01.01A.0724.12 |
| | Wind Duration: 1.60 | | |

**▲Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B* | 120 | /- | /- | /63 | /25 | /15 |
| K | 479 | /- | /- | /299 | /119 | /- |
| Q | | /-173 | | | | |

Wind reactions based on MWFRS
B Brg Width = 138 Min Req = -
K Brg Width = 4.0 Min Req = 1.5
Bearings B & K are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. |
|---|---|---|
| J - K | 270 | -519 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| N - M | 419 | -115 | M - K | 434 | -118 |

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

| Webs | Tens. | Comp. |
|---|---|---|
| N - J | 458 | -729 |

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

| Gables | Tens. | Comp. | Gables | Tens. | Comp. |
|---|---|---|---|---|---|
| I - N | 383 | -193 | J - M | 491 | -116 |

**Lumber**

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
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**

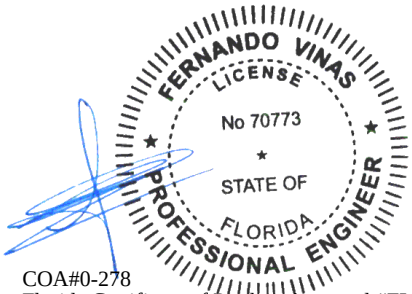
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

**Additional Notes**

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

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

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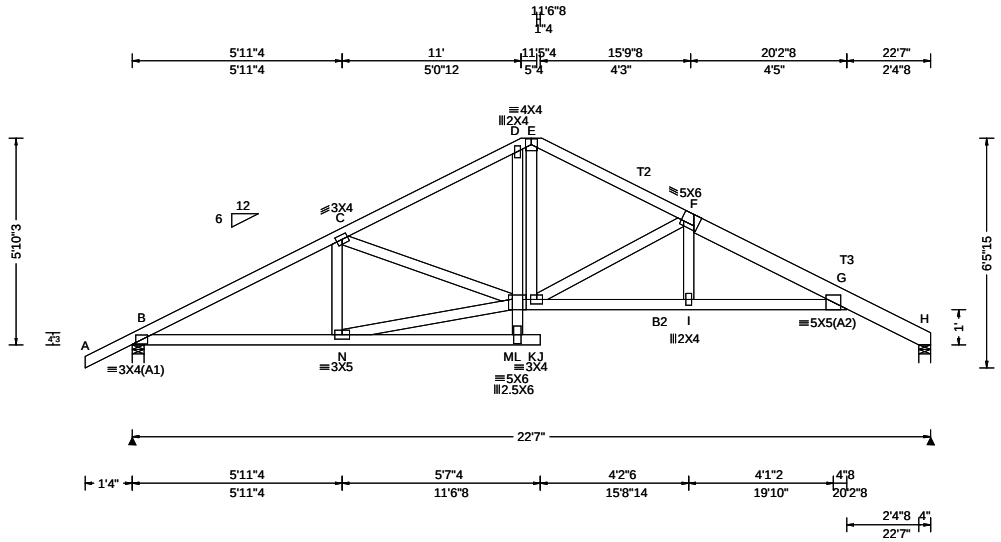
| | | | |
|---|---|---|---|
| SEQN: 1838 / HIPS<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** C10 | Cust: R 215 JRef:1XPP2150004 T1 /<br>DrwNo: 135.23.1045.02837<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): | 0.210 I | 999 | 240 |
| VERT(CL): | 0.382 I | 694 | 180 |
| HORZ(LL): | 0.075 D | - | - |
| HORZ(TL): | 0.137 D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.572
Max BC CSI: 0.660
Max Web CSI: 0.466

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 928 | /- | /- | /523 | /199 | /163 |
| H | 813 | /- | /- | /418 | /198 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
H Brg Width = 4.0 Min Req = 1.5
Bearings B & H are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 318 | - 1445 | E - F | 299 | - 1246 |
| C - D | 288 | - 1237 | F - G | 359 | - 1717 |
| D - E | 282 | - 989 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - N | 1244 | - 214 | K - I | 1648 | - 267 |
| L - K | 978 | - 84 | I - G | 1655 | - 273 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| N - L | 1222 | - 209 | E - K | 609 | - 125 |
| D - L | 379 | - 73 | K - F | 283 | - 670 |

**Lumber**

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
T3 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;

**Wind**

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

Wind loading based on both gable and hip roof types.

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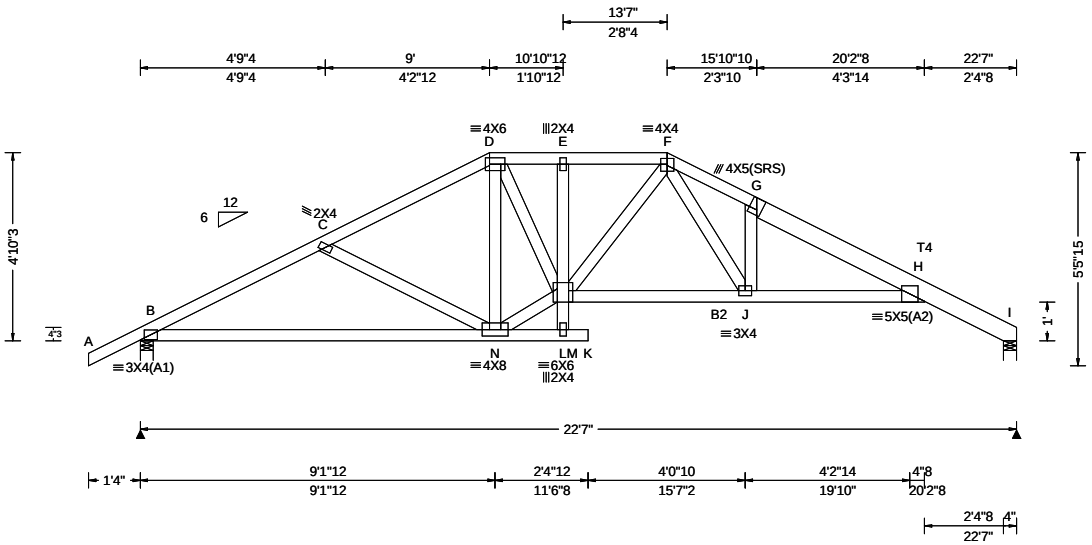
| | | | |
|---|---|---|---|
| SEQN: 1841 / HIPS<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** C11 | Cust: R 215 JRef:1XPP2150004 T12 /<br>DrwNo: 135.23.1045.04150<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.212 | J | 999 | 240 |
| VERT(CL): 0.387 | J | 686 | 180 |
| HORZ(LL): 0.061 | D | - | - |
| HORZ(TL): 0.111 | D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.572
Max BC CSI: 0.673
Max Web CSI: 0.469

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 928 | /- | /- | /523 | /207 | /137 |
| I | 813 | /- | /- | /420 | /204 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
I Brg Width = 4.0 Min Req = 1.5
Bearings B & I 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 | 695 | -1434 | E - F | 760 | -1352 |
| C - D | 594 | -1179 | F - G | 930 | -1842 |
| D - E | 757 | -1344 | G - H | 800 | -1734 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - N | 1239 | -571 | J - H | 1667 | -686 |
| L - J | 1249 | -509 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| D - L | 741 | -396 | F - J | 772 | -280 |
| N - L | 1231 | -440 | J - G | 355 | -621 |

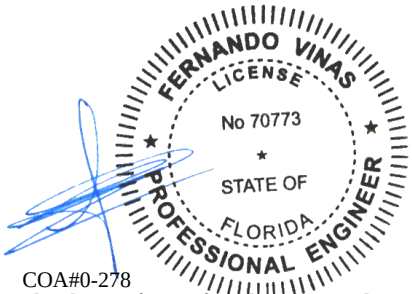
**Lumber**

Top chord: 2x4 SP #2; T4 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP M-31; B2 2x4 SP #2;
Webs: 2x4 SP #3;

**Wind**

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

Wind loading based on both gable and hip roof types.




COA#0-278
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05/15/2023

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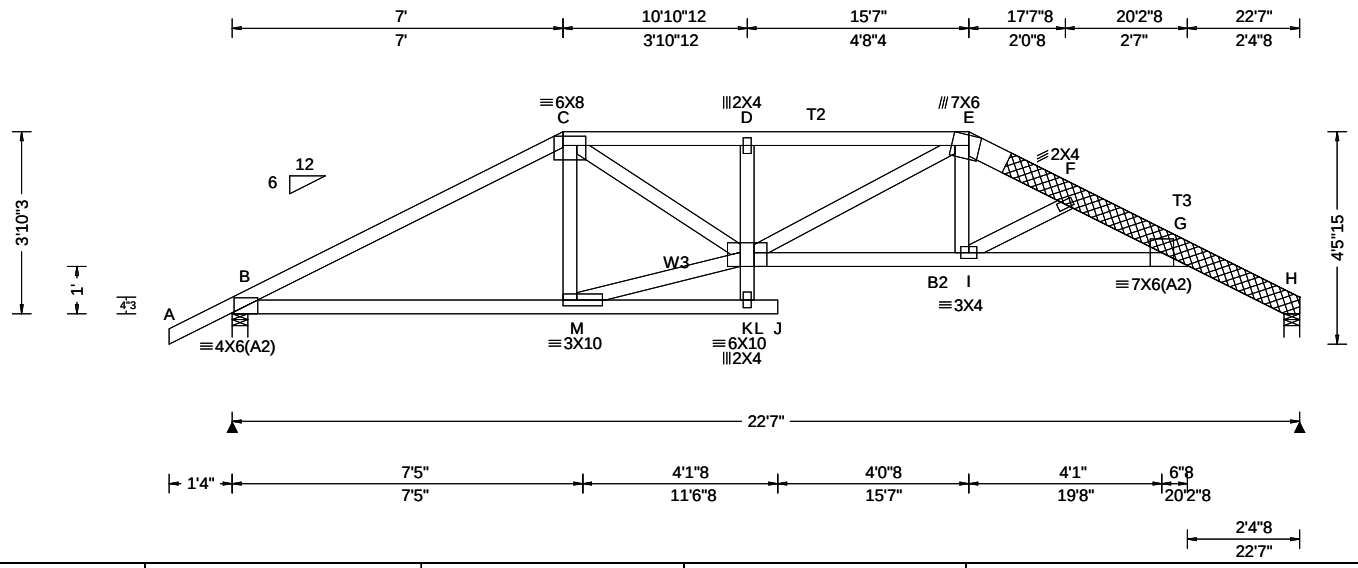
Suite 305
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 1847 / HIPS<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** C12 | Cust: R 215 JRef:1XPP2150004 T39<br>DrwNo: 135.23.1045.03368<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**

Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 10.86 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: NA
GCpi: 0.18
Wind Duration: 1.60

**Snow Criteria** (Pg,Pf in PSF)

Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.260 | J | 999 | 240 |
| VERT(CL): 0.490 | J | 541 | 180 |
| HORZ(LL): 0.072 | C | - | - |
| HORZ(TL): 0.136 | C | - | - |

Creep Factor: 2.0
Max TC CSI: 0.671
Max BC CSI: 0.973
Max Web CSI: 0.834

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 1749 | /- | /- | /- | /383 | /- |
| H | 1692 | /- | /- | /- | /352 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 2.1
H Brg Width = 4.0 Min Req = 1.8
Bearings B & H are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 667 | -3124 | E - F | 868 | -4223 |
| C - D | 960 | -4566 | F - G | 1025 | -4869 |
| D - E | 969 | -4609 | G - H | 155 | -746 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - M | 2718 | -561 | I - G | 4829 | -1008 |
| K - I | 3867 | -797 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| C - K | 2189 | -484 | D - K | 223 | -420 |
| M - K | 2736 | -551 | E - I | 892 | -69 |
| K - E | 831 | -192 | I - F | 251 | -1138 |

**Lumber**

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
T3 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3; W3 2x4 SP #2;

**Tray Scab(s)**

(2) 2x6x6-11-10 x SP 2400f-2.0E scabs at right end. Attach one scab to each outer face of chord with: 0.128"x3", min. nails @ 8" oc, plus additional nail clusters at: BRG.: (5), heel: (9), 1st panel point: (4).

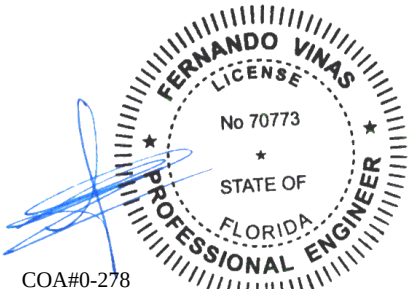
**Loading**

#1 hip supports 7-0-0 jacks with no webs.

**Wind**

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

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Florida Certificate of Product Approval #FL1999
05/15/2023

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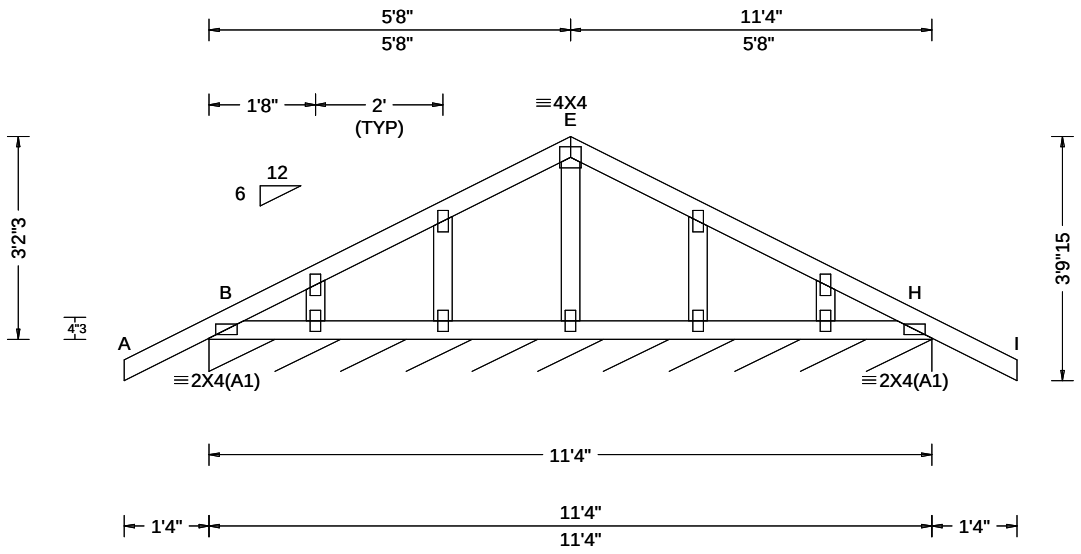
| | | | |
|---|---|---|---|
| SEQN: 1816 / GABL<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** D01 | Cust: R 215 JRef:1XPP2150004 T41 /<br>DrwNo: 135.23.1045.04259<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 20.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.000 | E | 999 | 240 |
| VERT(CL): 0.001 | E | 999 | 180 |
| HORZ(LL): -0.001 | N | - | - |
| HORZ(TL): 0.001 | N | - | - |

Creep Factor: 2.0
Max TC CSI: 0.152
Max BC CSI: 0.040
Max Web CSI: 0.047

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| H* | 90 | /- | /- | /41 | /20 | /9 |

Wind reactions based on MWFRS
H Brg Width = 135 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;
Webs: 2x4 SP #3;

**Plating Notes**

All plates are 2X4 except as noted.

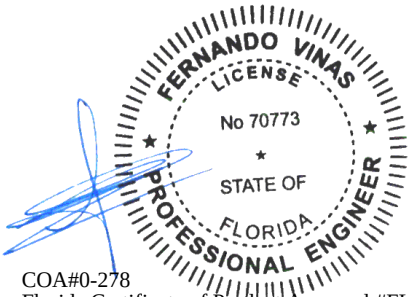
**Wind**

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.




COA#0-278
Florida Certificate of Product Approval #FL1999
05/15/2023

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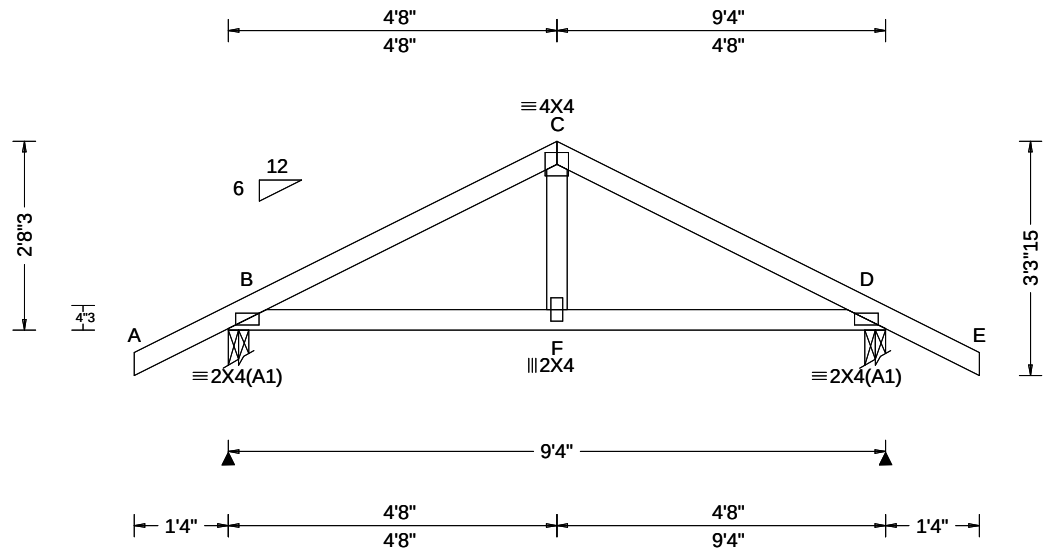
| | | | |
|---|---|---|---|
| SEQN: 1810 / COMN<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** E01 | Cust: R 215 JRef:1XPP2150004 T32 /<br>DrwNo: 135.23.1045.03853<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 7.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 37.00 |
| NCBCLL: | 20.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.006 | F | 999 | 240 |
| VERT(CL): 0.012 | F | 999 | 180 |
| HORZ(LL): 0.003 | F | - | - |
| HORZ(TL): 0.005 | F | - | - |

Creep Factor: 2.0
Max TC CSI: 0.227
Max BC CSI: 0.303
Max Web CSI: 0.111

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 433 | /- | /- | /260 | /98 | /93 |
| D | 433 | /- | /- | /260 | /98 | /- |

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
D Brg Width = 3.5 Min Req = 1.5
Bearings B & D are a rigid surface.
Members not listed have forces less than 375#

**Maximum Top Chord Forces Per Ply (lbs)**

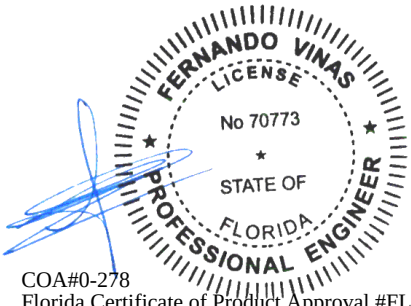
| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 348 | -437 | C - D | 348 | -437 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - F | 376 | -139 | F - D | 376 | -139 |

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

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05/15/2023

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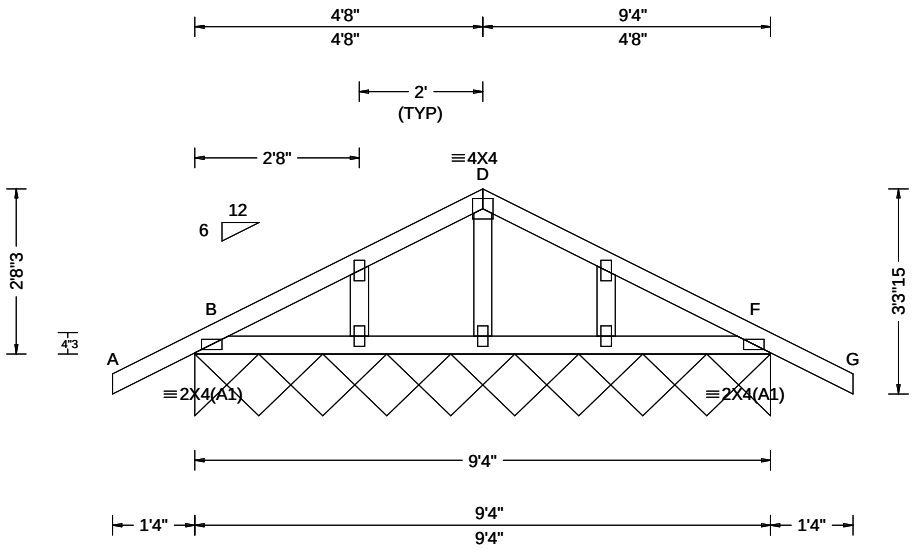
| | | | |
|---|---|---|---|
| SEQN: 1813 / GABL<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** E02 | Cust: R 215 JRef:1XPP2150004 T4 /<br>DrwNo: 135.23.1045.03916<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 20.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.001 | H | 999 | 240 |
| VERT(CL): 0.001 | H | 999 | 180 |
| HORZ(LL): -0.000 | C | - | - |
| HORZ(TL): 0.001 | J | - | - |

Creep Factor: 2.0
Max TC CSI: 0.169
Max BC CSI: 0.069
Max Web CSI: 0.057

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs), or *=PLF**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| F* | 93 | /- | /- | /42 | /21 | /10 |

Wind reactions based on MWFRS
F Brg Width = 112 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;
Webs: 2x4 SP #3;

**Plating Notes**

All plates are 2X4 except as noted.

**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.

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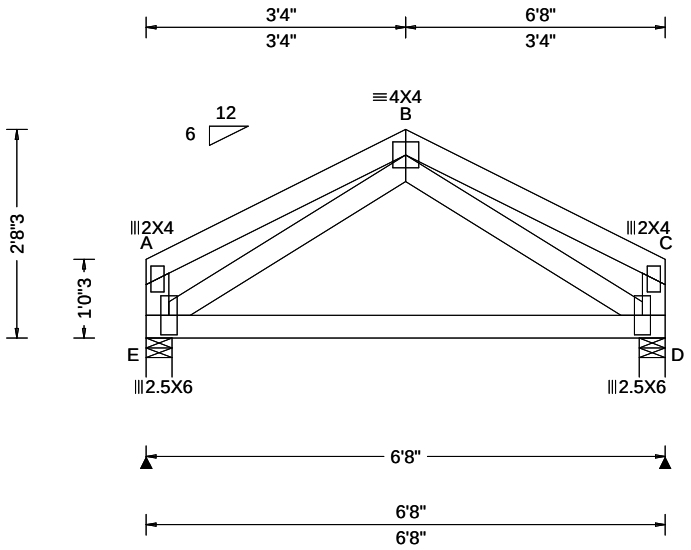
| | | | |
|---|---|---|---|
| SEQN: 1804 / COMN<br>FROM: SDY | Ply: 1<br>Qty: 2 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** E03 | Cust: R 215 JRef:1XPP2150004 T33 /<br>DrwNo: 135.23.1045.03212<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 20.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.001 | B | 999 | 240 |
| VERT(CL): 0.003 | B | 999 | 180 |
| HORZ(LL): 0.001 | C | - | - |
| HORZ(TL): 0.002 | C | - | - |

Creep Factor: 2.0
Max TC CSI: 0.268
Max BC CSI: 0.696
Max Web CSI: 0.214

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| E | 252 | /- | /- | /131 | /51 | /42 |
| D | 252 | /- | /- | /131 | /51 | /- |

Wind reactions based on MWFRS
E Brg Width = 4.0 Min Req = 1.5
D Brg Width = 4.0 Min Req = 1.5
Bearings E & D are a rigid surface.
Members not listed have forces less than 375#

**Lumber**

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

**Wind**

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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COA#0-278
Florida Certificate of Product Approval #FL1999
05/15/2023

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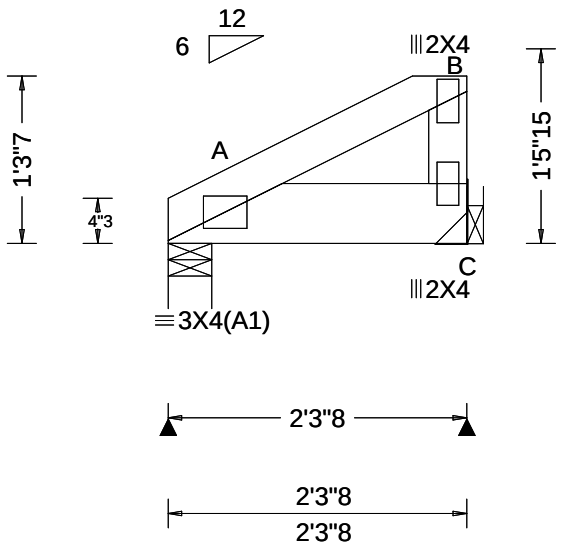
| | | | |
|---|---|---|---|
| SEQN: 1879 / HIPM<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** G01 | Cust: R 215 JRef:1XPP2150004 T26 /<br>DrwNo: 135.23.1045.03448<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 20.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

**Defl/CSI Criteria**
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.001 C - -
HORZ(TL): 0.002 C - -
Creep Factor: 2.0
Max TC CSI: 0.088
Max BC CSI: 0.091
Max Web CSI: 0.010

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | 1079 | /- | /- | /- | /73 | /- |
| C | 173 | /- | /- | /- | /14 | /- |

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
C Brg Width = - Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

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

**Special Loads**
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 56 plf at 0.00 to 56 plf at 1.87
TC: From 40 plf at 1.87 to 40 plf at 2.29
BC: From 10 plf at 0.00 to 10 plf at 2.29
TC: 5 lb Conc. Load at 1.87
BC: 1107 lb Conc. Load at 0.35
BC: -3 lb Conc. Load at 1.87

**Hangers / Ties**
(J) Hanger Support Required, by others

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

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COA#0-278
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05/15/2023

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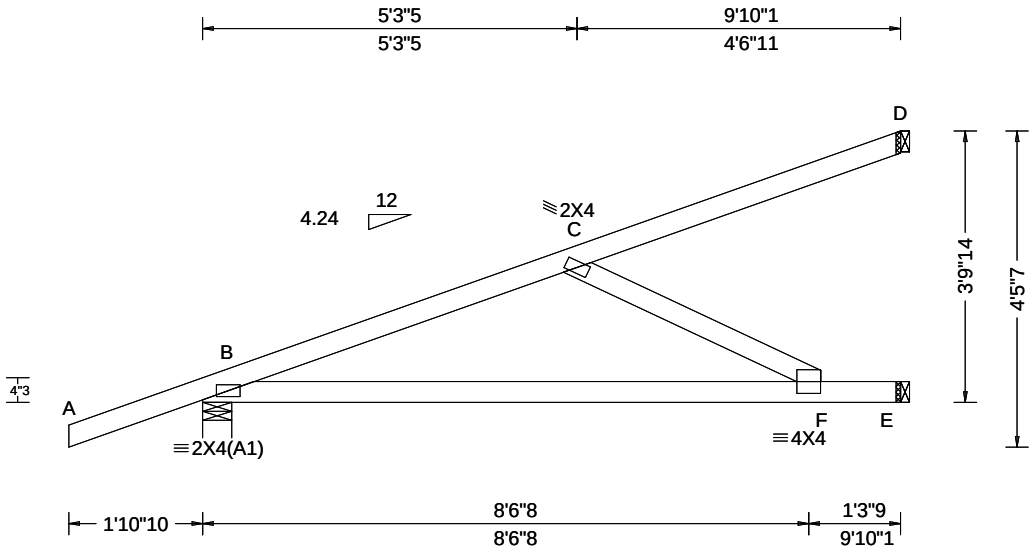
| | | | |
|---|---|---|---|
| SEQN: 1784 / HIP_<br>FROM: SDY | Ply: 1<br>Qty: 3 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** HJ7 | Cust: R 215 JRef:1XPP2150004 T10<br>DrwNo: 135.23.1045.04462<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: NA
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.144 | F | 808 | 240 |
| VERT(CL): 0.266 | F | 437 | 180 |
| HORZ(LL): 0.033 | C | - | - |
| HORZ(TL): 0.061 | C | - | - |

Creep Factor: 2.0
Max TC CSI: 0.591
Max BC CSI: 0.996
Max Web CSI: 0.444

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 398 | /- | /- | /- | /99 | /- |
| E | 336 | /- | /- | /- | /14 | /- |
| D | 231 | /- | /- | /- | /104 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.9 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 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. |
|---|---|---|
| B - C | 194 | -502 |

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

| Chords | Tens. | Comp. |
|---|---|---|
| B - F | 466 | -172 |

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

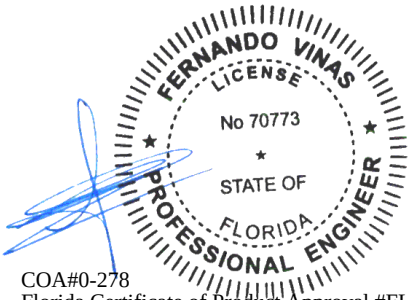
| Webs | Tens. | Comp. |
|---|---|---|
| C - F | 199 | -516 |

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

**Loading**
Hipjack supports 6-11-8 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**
Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (3) 16d common(0.162"x3.5") toe-nails at bottom chord.

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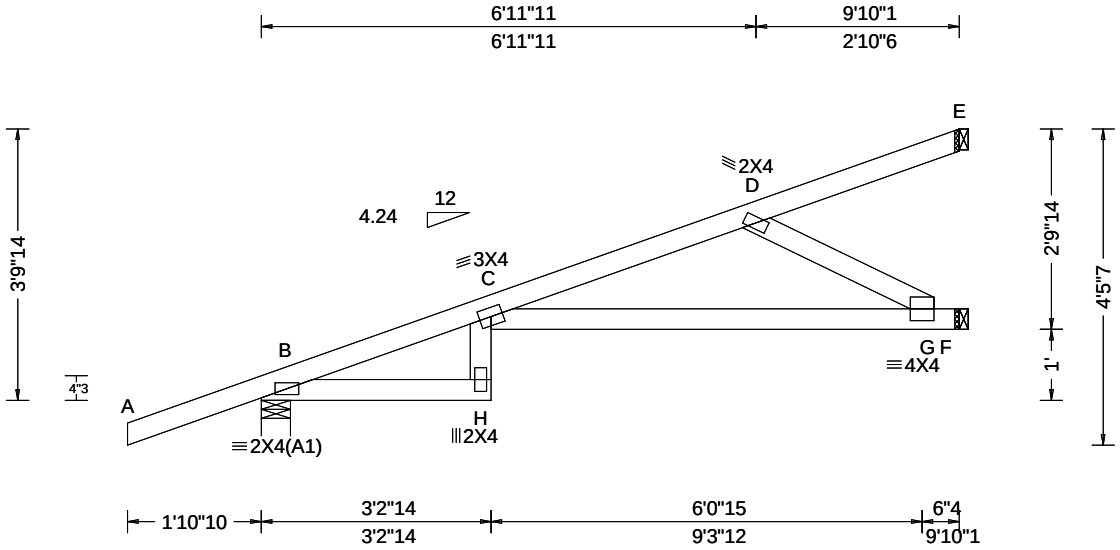
| | | | |
|---|---|---|---|
| SEQN: 1801 / HIP_<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** HJ7A | Cust: R 215 JRef:1XPP2150004 T20 /<br>DrwNo: 135.23.1045.04181<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: NA
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.328 | H | 355 | 240 |
| VERT(CL): 0.605 | H | 192 | 180 |
| HORZ(LL): 0.136 | G | - | - |
| HORZ(TL): 0.251 | G | - | - |

Creep Factor: 2.0
Max TC CSI: 0.607
Max BC CSI: 0.794
Max Web CSI: 0.266

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 398 | /- | /- | /- | /99 | /- |
| F | 468 | /- | /- | /- | /65 | /- |
| E | 99 | /- | /- | /- | /53 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.9 Min Req = 1.5
F Brg Width = 1.5 Min Req = -
E Brg Width = 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. |
|---|---|---|
| C - D | 242 | - 683 |

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

| Chords | Tens. | Comp. |
|---|---|---|
| C - G | 690 | - 230 |

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

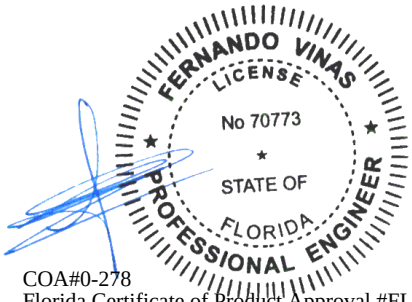
| Webs | Tens. | Comp. |
|---|---|---|
| D - G | 266 | - 781 |

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

**Loading**
Hipjack supports 6-11-8 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**
Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide hanger or special connection at bottom chord.

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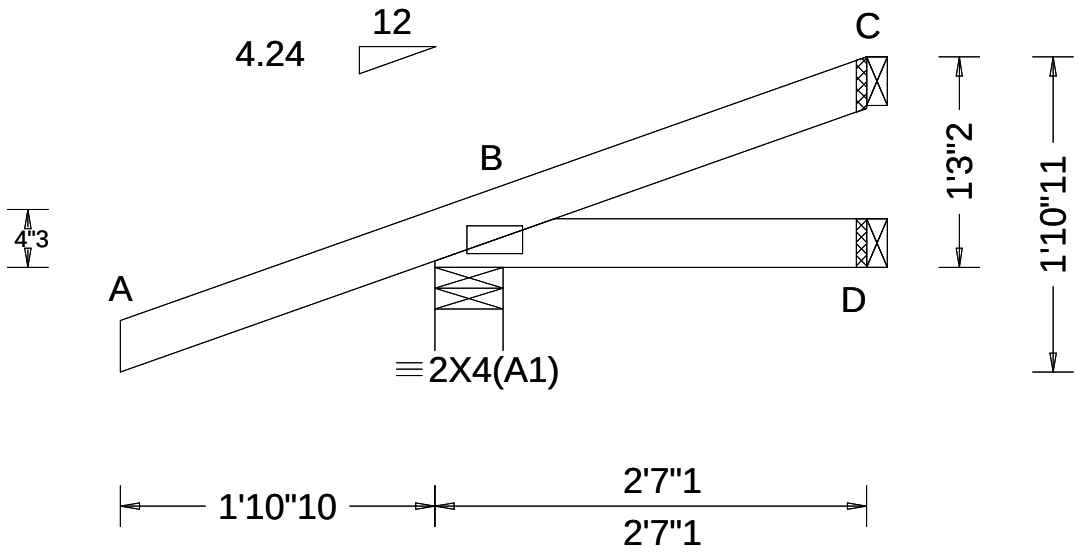
| | | | |
|---|---|---|---|
| SEQN: 1819 / HIP_<br>FROM: SDY | Ply: 1<br>Qty: 1 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** HJ1 | Cust: R 215 JRef:1XPP2150004 T37 /<br>DrwNo: 135.23.1050.22457<br>KD / FV 05/15/2023 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 7.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): NA |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): NA |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): -0.001 D - - |
| Des Ld: 37.00 | EXP: C Kzt: NA | | HORZ(TL): 0.001 D - - |
| NCBCLL: 0.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 4.2 psf | FBC 2017 RES | Max TC CSI: 0.194 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.046 |
| Spacing: 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: No | Max Web CSI: 0.000 |
| | C&C Dist a: 3.00 ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: NA | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 20.01.01A.0724.12 |
| | Wind Duration: 1.60 | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 117 | /- | /- | /- | /39 | /- |
| D | - | /-3 | /- | /8 | /- | /- |
| C | 5 | /- | /- | /- | /3 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.9 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

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

**Loading**

Hipjack supports 1-10-0 setback jacks with no webs.

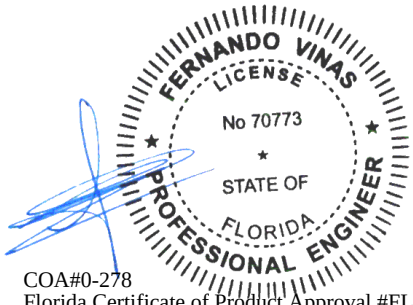
**Wind**

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.

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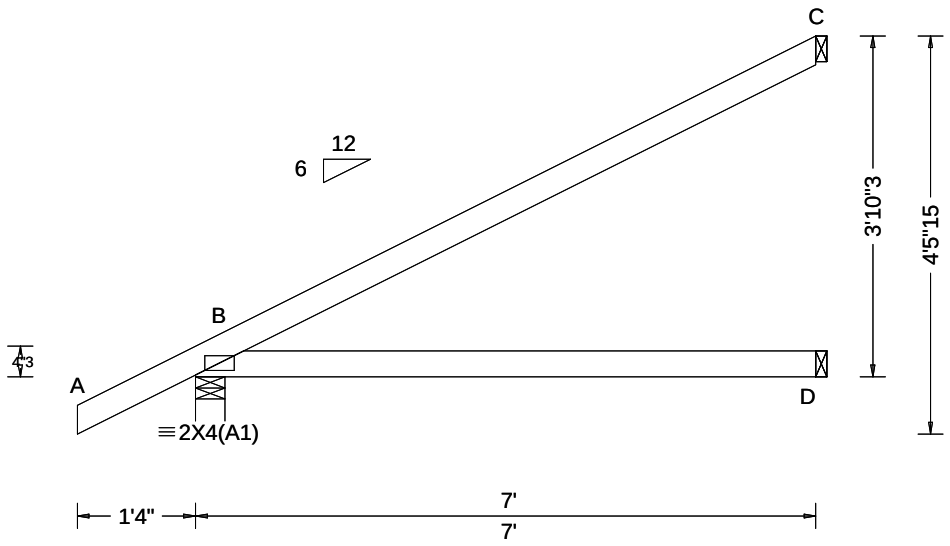
| | | | |
|---|---|---|---|
| SEQN: 1781 / EJAC<br>FROM: SDY | Ply: 1<br>Qty: 15 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** EJ7 | Cust: R 215 JRef:1XPP2150004 T9 /<br>DrwNo: 135.23.1045.03228<br>KD / FV 05/15/2023 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 20.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 4.2 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>Building Code:<br>FBC 2017 RES<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): NA<br>VERT(CL): NA<br>HORZ(LL): 0.015 D - -<br>HORZ(TL): 0.029 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.652<br>Max BC CSI: 0.723<br>Max Web CSI: 0.000<br><br>VIEW Ver: 20.01.01A.0724.12 |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 360 | /- | /- | /233 | /52 | /142 |
| D | 187 | /- | /- | /71 | /- | /- |
| C | 169 | /- | /- | /100 | /99 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

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

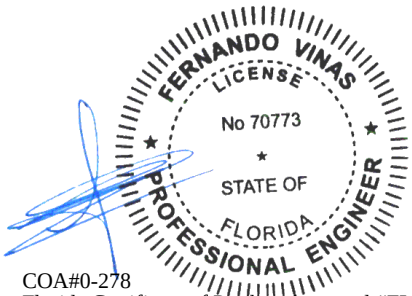
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.

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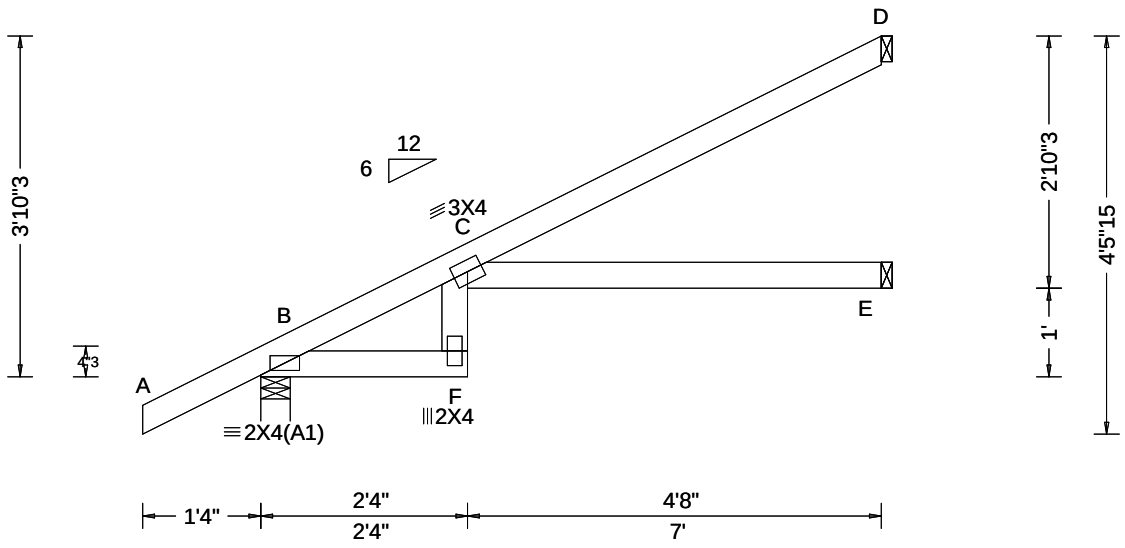
| | | | |
|---|---|---|---|
| SEQN: 1796 / EJAC<br>FROM: SDY | Ply: 1<br>Qty: 3 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** EJ7A | Cust: R 215 JRef:1XPP2150004 T17 /<br>DrwNo: 135.23.1045.03556<br>KD / FV 05/15/2023 |




**Loading Criteria** (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 20.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.187 | F | 439 | 240 |
| VERT(CL): 0.343 | F | 239 | 180 |
| HORZ(LL): 0.108 | E | - | - |
| HORZ(TL): 0.197 | E | - | - |

Creep Factor: 2.0
Max TC CSI: 0.880
Max BC CSI: 0.445
Max Web CSI: 0.053

VIEW Ver: 20.01.01A.0724.12

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 360 | /- | /- | /233 | /52 | /142 |
| E | 150 | /- | /- | /56 | /- | /- |
| D | 188 | /- | /- | /115 | /99 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

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

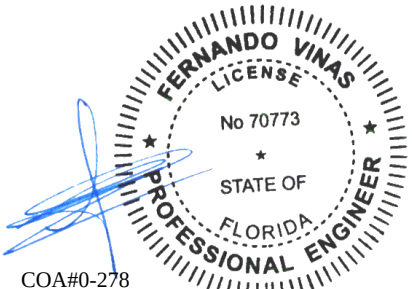
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.

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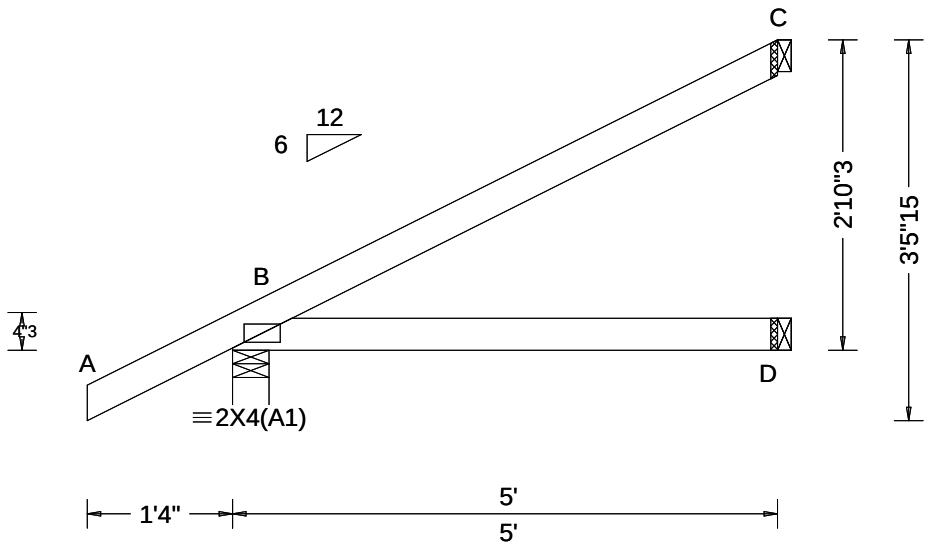
| | | | |
|---|---|---|---|
| SEQN: 1778 / JACK<br>FROM: SDY | Ply: 1<br>Qty: 6 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** CJ5 | Cust: R 215 JRef:1XPP2150004 T6 /<br>DrwNo: 135.23.1045.04588<br>KD / FV 05/15/2023 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 20.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 4.2 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 4.50 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 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): 0.005 D - -<br>HORZ(TL): 0.010 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.329<br>Max BC CSI: 0.357<br>Max Web CSI: 0.000<br><br>VIEW Ver: 20.01.01A.0724.12 |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 288 | /- | /- | /191 | /47 | /106 |
| D | 132 | /- | /- | /48 | /- | /- |
| C | 116 | /- | /- | /67 | /69 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
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**

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.

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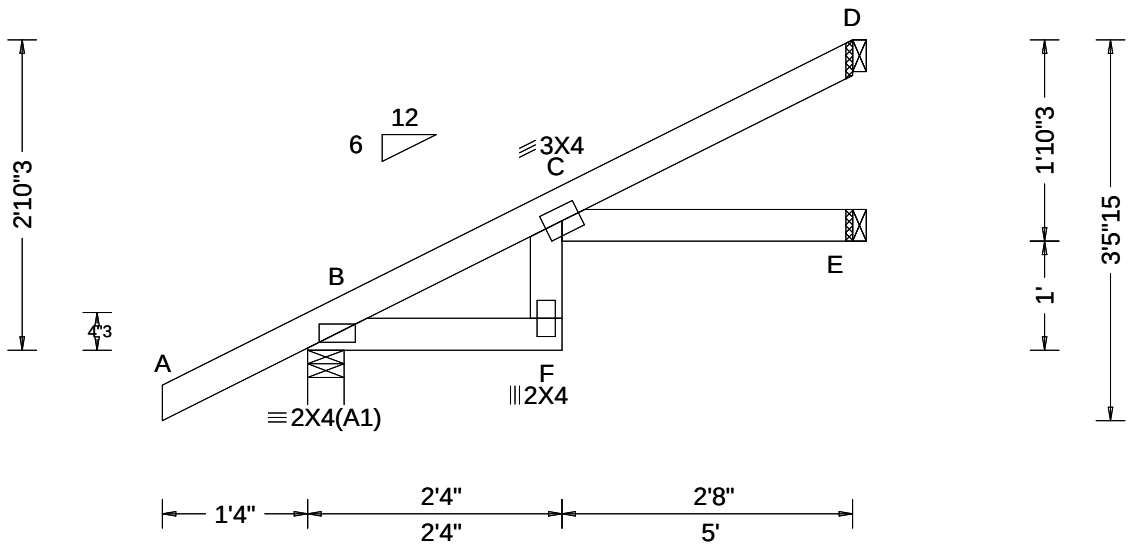
| | | | |
|---|---|---|---|
| SEQN: 1793 / JACK<br>FROM: SDY | Ply: 1<br>Qty: 2 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** CJ5A | Cust: R 215 JRef:1XPP2150004 T18 /<br>DrwNo: 135.23.1045.04104<br>KD / FV 05/15/2023 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-16 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 7.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.056 F 999 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.104 F 557 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.034 E - - |
| Des Ld: 37.00 | EXP: C Kzt: NA | | HORZ(TL): 0.063 E - - |
| NCBCLL: 20.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 4.2 psf | FBC 2017 RES | Max TC CSI: 0.472 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.140 |
| Spacing: 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes | Max Web CSI: 0.045 |
| | C&C Dist a: 3.00 ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: not in 4.50 ft | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 20.01.01A.0724.12 |
| | Wind Duration: 1.60 | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 288 | /- | /- | /191 | /47 | /106 |
| E | 88 | /- | /- | /32 | /- | /- |
| D | 135 | /- | /- | /83 | /67 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

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

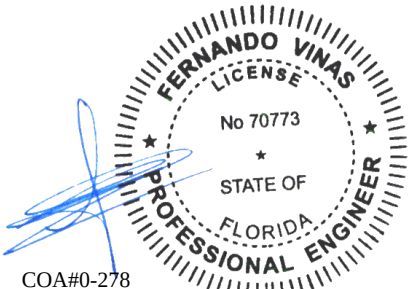
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.

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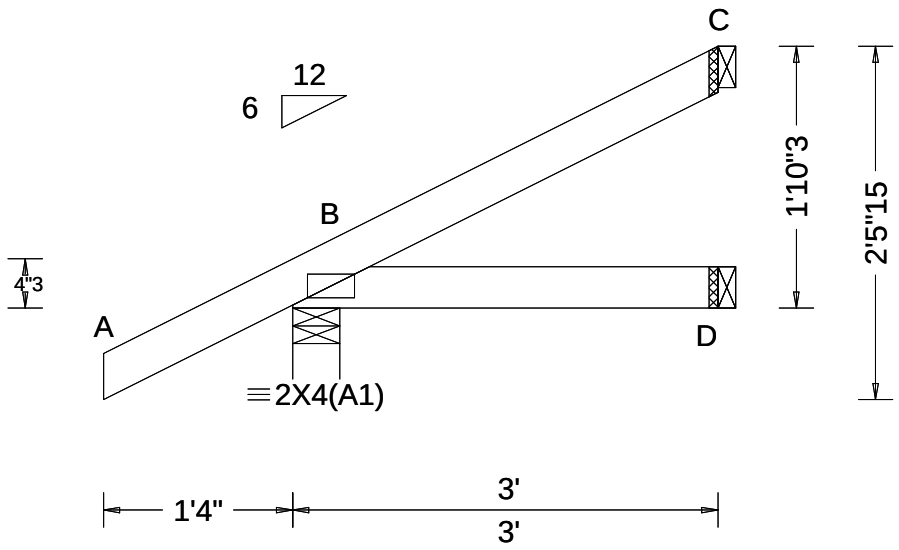
| | | | |
|---|---|---|---|
| SEQN: 1775 / JACK<br>FROM: SDY | Ply: 1<br>Qty: 6 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** CJ3 | Cust: R 215 JRef:1XPP2150004 T7 /<br>DrwNo: 135.23.1045.03478<br>KD / FV 05/15/2023 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 20.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 4.2 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 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 D - -<br>HORZ(TL): 0.002 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.246<br>Max BC CSI: 0.111<br>Max Web CSI: 0.000<br><br>VIEW Ver: 20.01.01A.0724.12 |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 222 | /- | /- | /153 | /43 | /71 |
| D | 75 | /- | /- | /27 | /- | /- |
| C | 59 | /- | /- | /32 | /37 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

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

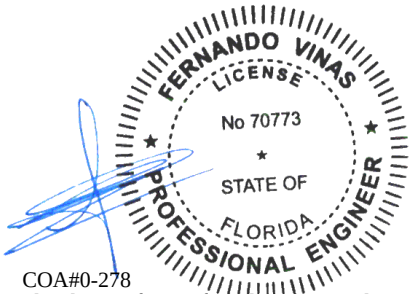
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.

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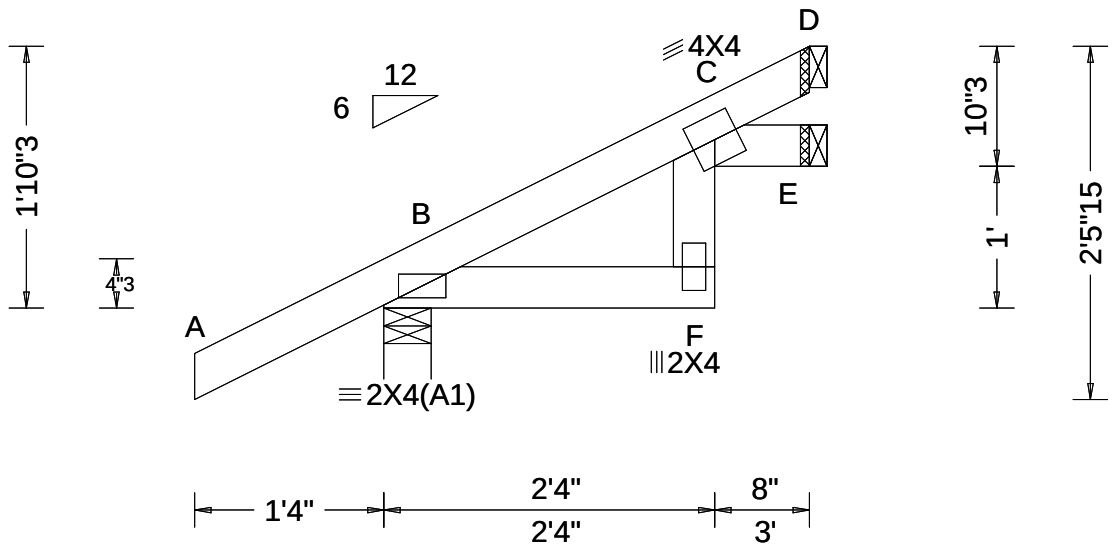
Orlando FL, 32821

| | | | |
|---|---|---|---|
| SEQN: 1790 / JACK<br>FROM: SDY | Ply: 1<br>Qty: 2 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** CJ3A | Cust: R 215 JRef:1XPP2150004 T16<br>DrwNo: 135.23.1045.03696<br>KD / FV 05/15/2023 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 20.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 4.2 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 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): 0.004 F 999 240<br>VERT(CL): 0.009 F 999 180<br>HORZ(LL): 0.003 E - -<br>HORZ(TL): 0.007 E - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.246<br>Max BC CSI: 0.065<br>Max Web CSI: 0.030<br><br>VIEW Ver: 20.01.01A.0724.12 |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 222 | /- | /- | /153 | /43 | /71 |
| E | 25 | /- | /- | /9 | /- | /- |
| D | 75 | /- | /- | /46 | /31 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

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

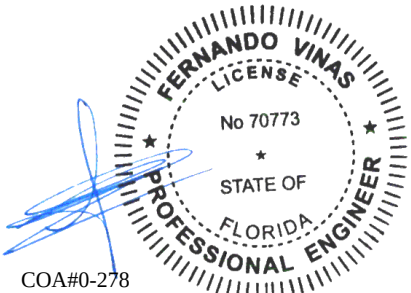
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.

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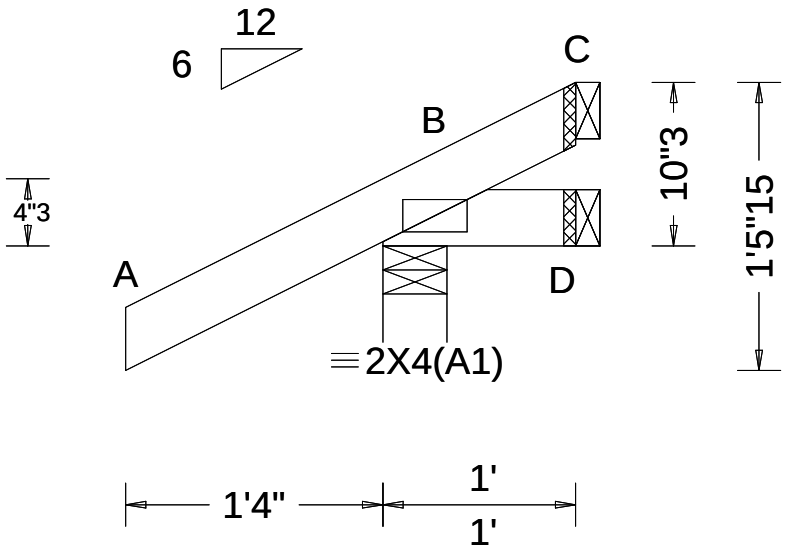
| | | | |
|---|---|---|---|
| SEQN: 1772 / JACK<br>FROM: SDY | Ply: 1<br>Qty: 10 | **Job Number:** 20-4768<br>TwentyEight Fourteen LLC-Lot 6 Emerald Cove<br>**Truss Label:** CJ1 | Cust: R 215 JRef:1XPP2150004 T8 /<br>DrwNo: 135.23.1045.04213<br>KD / FV 05/15/2023 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 20.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 4.2 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 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 D - -<br>HORZ(TL): 0.000 D - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.217<br>Max BC CSI: 0.029<br>Max Web CSI: 0.000<br><br>VIEW Ver: 20.01.01A.0724.12 |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 201 | /- | /- | /153 | /63 | /36 |
| D | 15 | /-10 | /- | /14 | /11 | /- |
| C | - | /-35 | /- | /29 | /37 | /- |

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

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

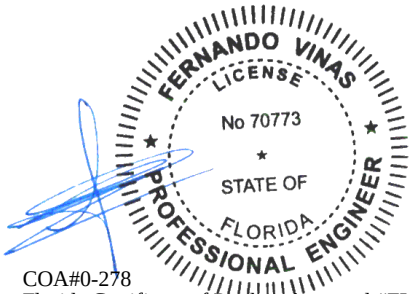
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.

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

| Hem-Fir | |
|---|---|
| #2 | Stud |
| #3 | Standard |

| Douglas Fir-Larch |
|---|
| #3 |
| Stud |
| Standard |

| Southern Pine*** |
|---|
| #3 |
| Stud |
| Standard |

Group B:

| Hem-Fir |
|---|
| #1 & Btr |
| #1 |

| Douglas Fir-Larch |
|---|
| #1 |
| #2 |

| Southern Pine*** |
|---|
| #1 |
| #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.

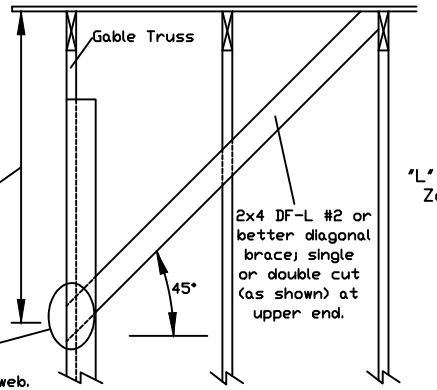
Attach "L" braces with 10d (0.128"x3.0" min) nails.

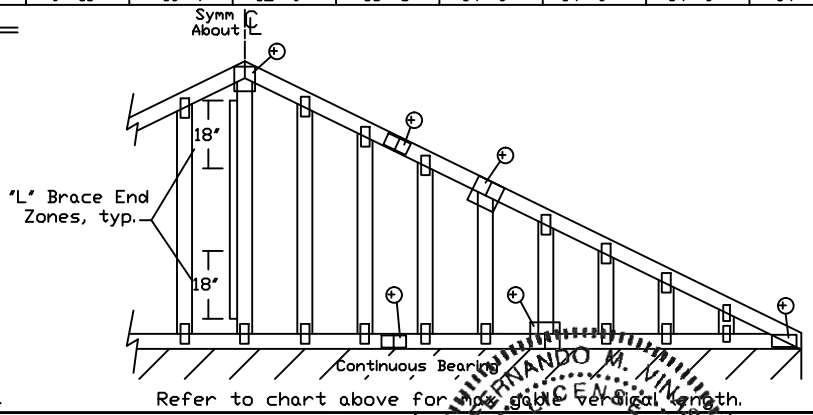
* For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.

** 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.

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'.




Refer to chart above for max gable vertical 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.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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025


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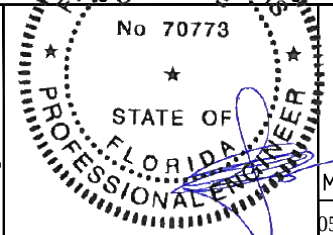


COA#0-278
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MAX. TOT. LD. 60 PSF
05/15/2023
MAX. SPACING 24.0"

REF ASCE7-16-GAB14015
DATE 01/26/2018
DRWG A14015ENC160118

# 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-reinforecement 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.

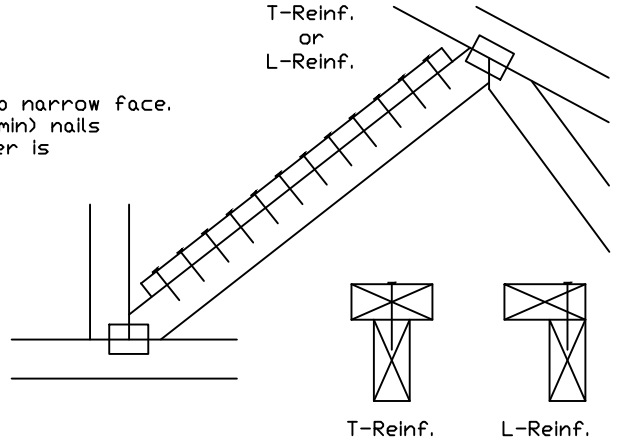
| Web Member Size | Specified CLR Restraint | Alternative Reinforecement T- or L- Reinf. | Alternative Reinforecement Scab Reinf. |
|---|---|---|---|
| 2x3 or 2x4 | 1 row | 2x4 | 1-2x4 |
| 2x3 or 2x4 | 2 rows | 2x6 | 2-2x4 |
| 2x6 | 1 row | 2x4 | 1-2x6 |
| 2x6 | 2 rows | 2x6 | 2-2x4(*) |
| 2x8 | 1 row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

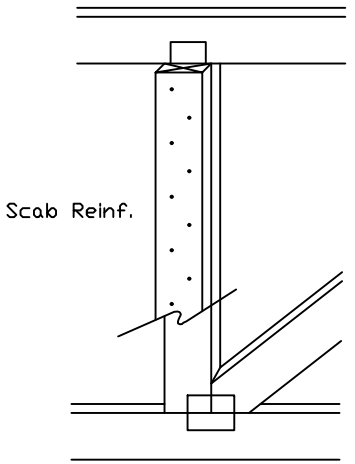
## T-Reinforcement or L-Reinforcement:

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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ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org

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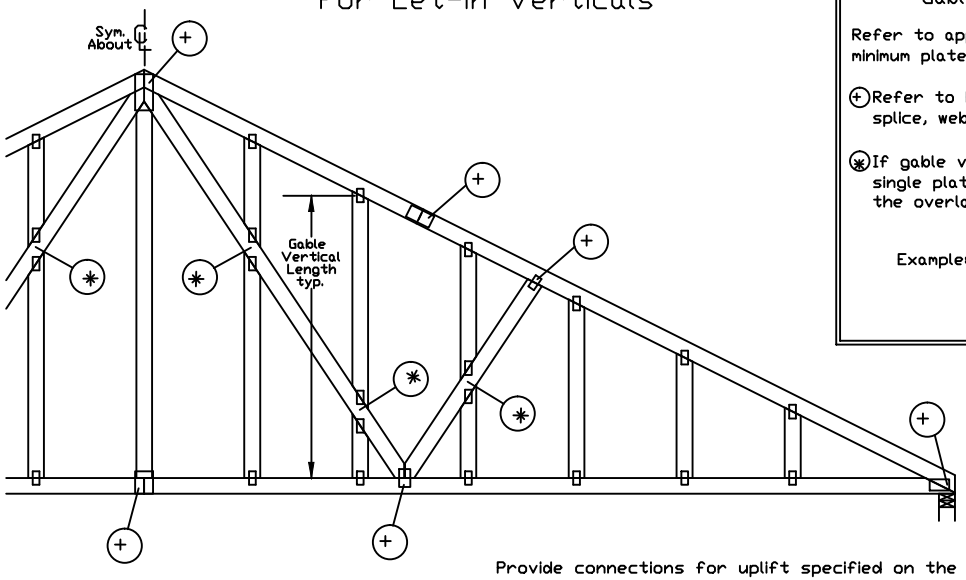
05/15/2023

COA#0-278
Florida Certificate of Product Approval #FL1999

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

# Gable Detail
## For Let-in Verticals



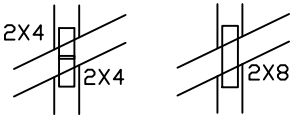

### Gable Truss Plate Sizes

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

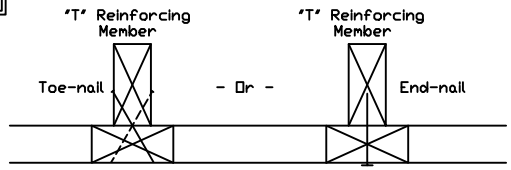
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊛ 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




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.

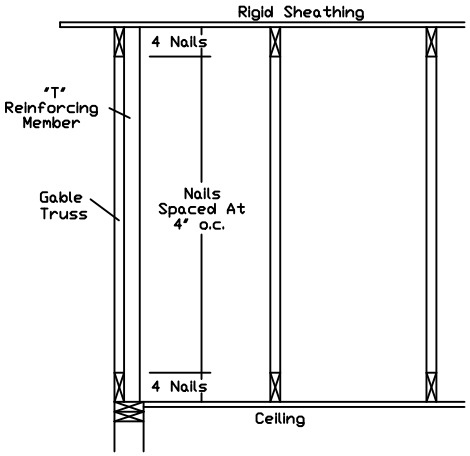
Toenailed Nails:
10d Common (0.148"x3",min) Toenails at 4" o.c. plus
(4) toenails in the top and bottom chords.

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, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118, S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118, S18015ENC100118, S20015ENC100118, S20015END100118, S20015PED100118, S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118, S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

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




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"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FERNANDO M. VINAS
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No 70773
STATE OF FLORIDA
PROFESSIONAL ENGINEER

05/15/2023

COA#0-278
Florida Certificate of Product Approval #FL1999

MAX. TOT. LD. 60 PSF
DUR. FAC. ANY
MAX. SPACING 24.0"

| | |
|---|---|
| REF | LET-IN VERT |
| DATE | 01/02/2018 |
| DRWG | GBLLETIN0118 |