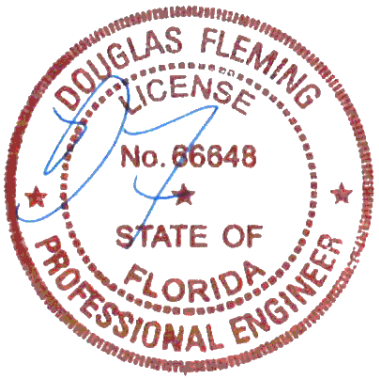



Alpine, an ITW Company
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025
Phone: (800)755-6001
www.alpineitw.com

COA #0 278
Florida Certificate of Product Approval #FL1999

06/24/2024

This item has been digitally signed by Douglas Fleming on the date adjacent to the seal.

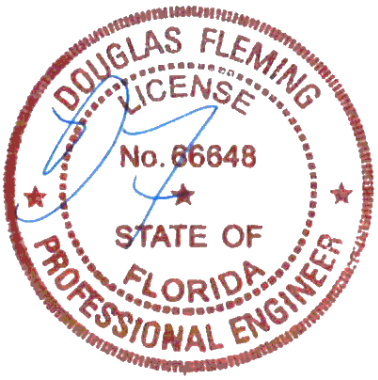
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

| **Site Information:** | **Page 1:** |
|---|---|
| *Customer:* W. B. Howland Company, Inc. | *Job Number:* 24-1285 |
| *Job Description:* Hedrick | |
| *Address:* | |

| **Job Engineering Criteria:** | |
|---|---|
| *Design Code:* FBC 8th Ed. 2023 Res. | *IntelliVIEW Version:* 23.02.01A through 24.01.02<br>*JRef #:* 1Y0W2150008 |
| *Wind Standard:* ASCE 7-22 *Wind Speed (mph):* 130<br>*Building Type:* Closed | *Design Loading (psf):* 40.00 |

This package contains general notes pages, 65 truss drawing(s) and 7 detail(s).

| Item | Drawing Number | Truss | Item | Drawing Number | Truss |
|---|---|---|---|---|---|
| 1 | 176.24.0951.30440 | A01 | 2 | 176.24.0951.55437 | A02 |
| 3 | 176.24.1034.26650 | A03 | 4 | 176.24.0952.36717 | A04 |
| 5 | 176.24.0952.50517 | A05 | 6 | 176.24.0953.00080 | A06 |
| 7 | 176.24.0953.08510 | A07 | 8 | 176.24.0953.18777 | A08 |
| 9 | 176.24.1034.44910 | A09 | 10 | 176.24.1034.48917 | A10 |
| 11 | 176.24.0953.45597 | A11 | 12 | 176.24.0953.52110 | A12 |
| 13 | 176.24.0953.58257 | A13 | 14 | 176.24.1034.10847 | A14 |
| 15 | 176.24.1000.07233 | B01 | 16 | 176.24.1000.12130 | B02 |
| 17 | 176.24.1000.14647 | B03 | 18 | 176.24.1000.53177 | B04 |
| 19 | 173.24.1518.48422 | C01 | 20 | 176.24.1000.54683 | C02 |
| 21 | 176.24.1000.56980 | C03 | 22 | 173.24.1518.48271 | C04 |
| 23 | 173.24.1518.48302 | D01 | 24 | 176.24.1001.00080 | D02 |
| 25 | 176.24.1001.01473 | D03 | 26 | 176.24.1001.02673 | D04 |
| 27 | 176.24.1001.04190 | D05 | 28 | 176.24.1001.35000 | D06 |
| 29 | 173.24.1518.48224 | E01 | 30 | 173.24.1518.48162 | E03 |
| 31 | 176.24.1001.39987 | J01 | 32 | 176.24.1001.43977 | J01HJ |
| 33 | 176.24.1001.47700 | J02 | 34 | 176.24.1001.51767 | J02HJ |
| 35 | 176.24.1001.54670 | J03 | 36 | 176.24.1001.57687 | J03HJ |
| 37 | 176.24.1002.00983 | J04 | 38 | 176.24.1002.04980 | J05 |
| 39 | 176.24.1002.07323 | J06 | 40 | 176.24.1002.09547 | J07 |
| 41 | 176.24.1002.12543 | J08 | 42 | 173.24.1518.48427 | J09 |
| 43 | 173.24.1518.48208 | J10 | 44 | 176.24.1002.16027 | J11 |
| 45 | 176.24.1002.18280 | J12 | 46 | 173.24.1518.48444 | J13 |
| 47 | 176.24.0951.01433 | PB01 | 48 | 176.24.0951.02617 | PB02 |
| 49 | 176.24.0951.04763 | PB03 | 50 | 176.24.0951.23930 | PB04 |




Alpine, an ITW Company
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025
Phone: (800)755-6001
www.alpineitw.com

COA #0 278
Florida Certificate of Product Approval #FL1999

06/24/2024

This item has been digitally signed by Douglas Fleming on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

| **Site Information:** | **Page 2:** |
|---|---|
| *Customer:* W. B. Howland Company, Inc. | *Job Number:* 24-1285 |
| *Job Description:* Hedrick | |
| *Address:* | |

| Item | Drawing Number | Truss |
|---|---|---|
| 51 | 176.24.1002.20990 | V01 |
| 53 | 176.24.1002.23547 | V03 |
| 55 | 176.24.1003.51183 | V05 |
| 57 | 176.24.1003.56050 | V07 |
| 59 | 176.24.1003.59853 | V09 |
| 61 | 176.24.1004.12467 | V11 |
| 63 | 176.24.1004.14680 | V13 |
| 65 | 176.24.1004.18633 | V15 |
| 67 | BRCLBSUB0119 | |
| 69 | PB160220723 | |
| 71 | VALTN220723 | |

| Item | Drawing Number | Truss |
|---|---|---|
| 52 | 176.24.1002.22150 | V02 |
| 54 | 176.24.1003.49680 | V04 |
| 56 | 176.24.1003.54010 | V06 |
| 58 | 176.24.1003.57320 | V08 |
| 60 | 176.24.1004.09157 | V10 |
| 62 | 176.24.1004.13513 | V12 |
| 64 | 176.24.1004.16837 | V14 |
| 66 | 160TL | |
| 68 | DEFLCAMB1014 | |
| 70 | VAL180220723 | |
| 72 | CNNAILSP1014 | |

## 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.
C = Coated lumber.
C-AT = AtTEK coated lumber.
C-FX = FX Lumber Guard coated lumber.
C -TW = TechWood 4400 coated lumber.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze Fire Retardant Treated lumber.
FRT-DC = Dricon Fire Retardant Treated lumber.
FRT-FP = FirePRO Fire Retardant Treated lumber.
FRT-FL = FlamePRO Fire Retardant Treated lumber.
FRT-FT = FlameTech Fire Retardant Treated lumber.
FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.
FRT-PR = ProWood Fire Retardant Treated lumber.
g = green lumber.
HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.
HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.
HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.
Ic = Incised lumber.
FJ = Finger Jointed lumber.
L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.
L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.
Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.
Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for all load cases.
Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for all load cases.
Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for all load cases.
NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.
PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.
PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds
PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.
PP = Panel Point.
R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).
Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).
TCDL = Top Chord standard design Dead Load in pounds per square foot.
TCLL = Top Chord standard design Live Load in pounds per square foot.
U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.
VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.
VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.
VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.
W = Width of non-hanger bearing, in inches.

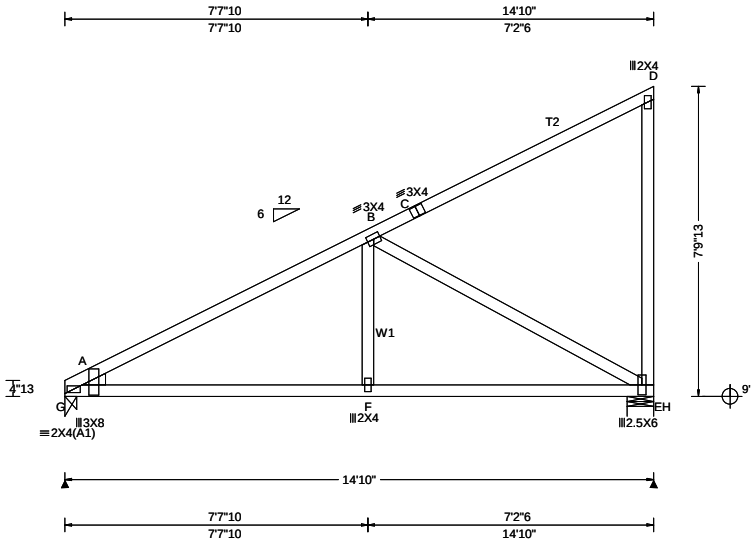
**General Notes** (continued)

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: 26145 SPEC<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** A01 | Cust: R 215 JRef:1Y0W2150008 T11<br>DrwNo: 176.24.0951.30440<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): 0.026 | A | 999 | 240 |
| VERT(CL): 0.054 | A | 999 | 180 |
| HORZ(LL): 0.014 | A | - | - |
| HORZ(TL): 0.029 | A | - | - |

Creep Factor: 2.0
Max TC CSI: 0.576
Max BC CSI: 0.706
Max Web CSI: 0.892

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| G | 617 | /- | /- | /373 | /93 | /336 |
| H | 605 | /- | /- | /450 | /120 | /- |

Wind reactions based on MWFRS
G Brg Wid = 3.5 Min Req = 1.5 (Truss)
H Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings G & H are a rigid surface.
Members not listed have forces less than 375#

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

| Chords | Tens. | Comp. |
|---|---|---|
| A - B | 272 | - 850 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - F | 697 | - 420 | F - E | 693 | - 421 |

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

| Webs | Tens. | Comp. |
|---|---|---|
| B - E | 358 | - 793 |

**Lumber**

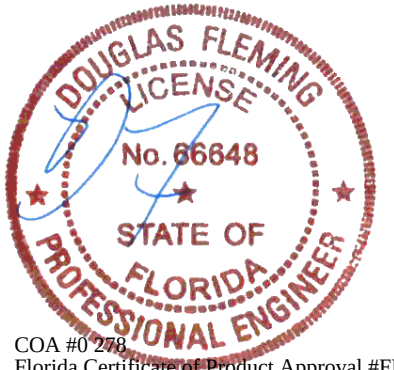
Top chord: 2x4 SP M-31; T2 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2; W1 2x4 SP #3;
Lt Wedge: 2x4 SP #3;

**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.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

****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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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.

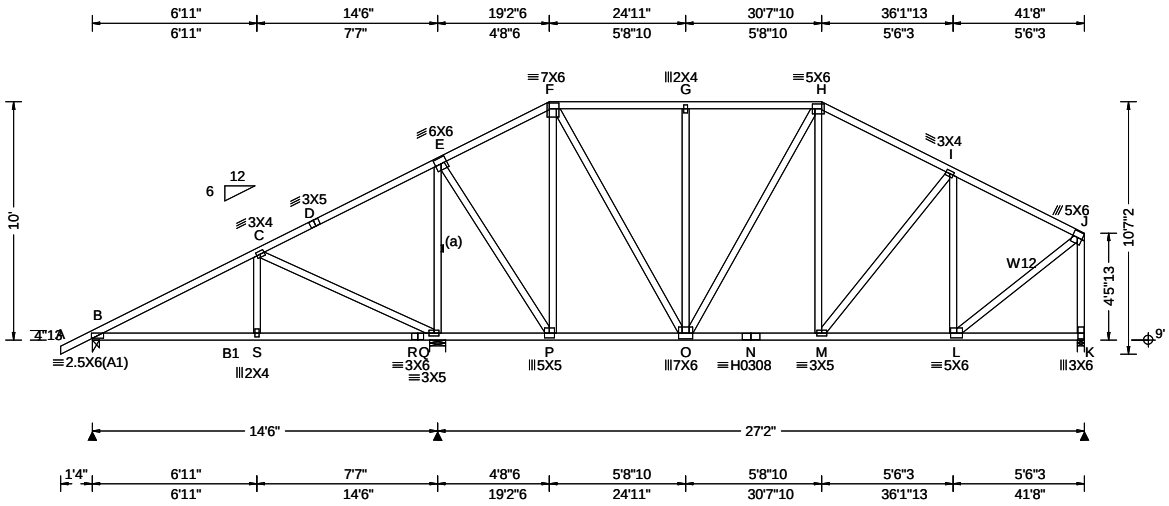
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 26464 SPEC<br>FROM: | Ply: 2<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** A02 | | Cust: R 215 JRef:1Y0W2150008 T2<br>DrwNo: 176.24.0951.55437<br>NW / DF 06/24/2024 | |

**2 Complete Trusses Required**




**Loading Criteria** (psf)

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

**Wind Criteria**

Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.30 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.17 ft ft
Loc. from endwall: not in 6.50 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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.074 | M | 999 | 240 |
| VERT(CL): 0.146 | M | 999 | 180 |
| HORZ(LL): 0.020 | L | - | - |
| HORZ(TL): 0.039 | L | - | - |

Creep Factor: 2.0
Max TC CSI: 0.383
Max BC CSI: 0.655
Max Web CSI: 0.808

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 620 | /- | /- | /- | /154 | /131 |
| Q | 6317 | /- | /- | /- | /1023 | /- |
| K | 5862 | /- | /- | /- | /966 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
Q Brg Wid = 8.0 Min Req = 2.6 (Truss)
K Brg Wid = 3.5 Min Req = 2.4 (Truss)
Bearings B, Q, & 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. |
|---|---|---|---|---|---|
| E - F | 252 | - 1351 | H - I | 394 | - 2221 |
| F - G | 334 | - 1915 | I - J | 376 | - 2104 |
| G - H | 334 | - 1915 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| P - O | 1171 | - 148 | N - M | 1949 | - 274 |
| O - N | 1949 | - 274 | M - L | 1865 | - 267 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| Q - E | 459 | - 2606 | H - M | 869 | - 113 |
| E - P | 2120 | - 335 | L - J | 2348 | - 372 |
| F - P | 155 | - 812 | J - K | 419 | - 2439 |
| F - O | 1463 | - 240 | | | |

**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3; W12 2x4 SP #2;

**Bracing**

(a) Continuous lateral restraint equally spaced on member.

**Nailnote**

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 6.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

**Special Loads**

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

| | | | | |
|---|---|---|---|---|
| TC: From | 62 plf at | -1.33 to | 62 plf at | 41.67 |
| BC: From | 4 plf at | -1.33 to | 4 plf at | 0.00 |
| BC: From | 20 plf at | 0.00 to | 20 plf at | 13.67 |
| BC: From | 10 plf at | 13.67 to | 10 plf at | 41.67 |

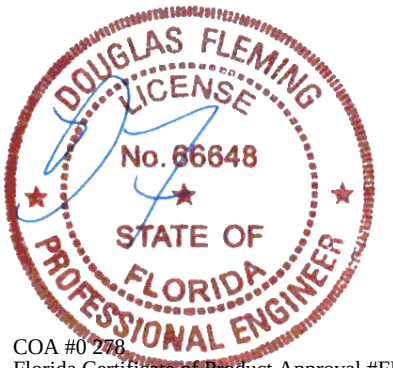
BC: 683 lb Conc. Load at 15.40,17.40,19.40,21.40 23.40,25.40,27.40,29.40,31.40,33.40,35.40,37.40 39.40,41.27

**Purlins**

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

**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.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

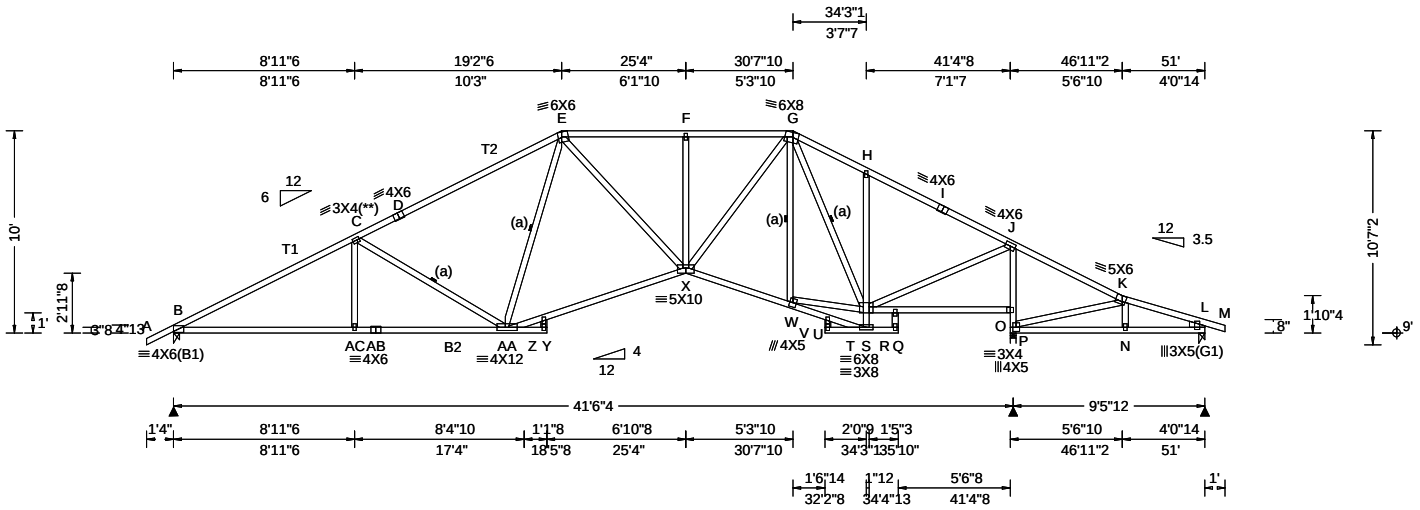
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org


ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | |
|---|---|---|---|---|
| SEQN: 34735 COMN<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** A03 | Cust: R 215 JRef:1Y0W2150008 T13<br>DrwNo: 176.24.1034.26650<br>NW / DF 06/24/2024 | |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.193 Y 999 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.390 Y 999 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.077 S - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.158 S - - |
| NCBCLL: 10.00 | Mean Height: 15.30 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.864 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.882 |
| Spacing: 24.0 " | MWFRS Parallel Dist: h to 2h | Rep Fac: Yes | Max Web CSI: 0.820 |
| | C&C Dist a: 5.10 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: not in 13.00 ft | Plate Type(s): | VIEW Ver: 23.02.01A.1204.18 |
| | GCpi: 0.18 | WAVE | |
| | Wind Duration: 1.60 | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 1790 | /- | /- | /1135 | /- | /292 |
| O | 2269 | /- | /- | /1295 | /- | /- |
| L | 364 | /- | /- | /220 | /51 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 2.1 (Truss)
O Brg Wid = 3.5 Min Req = 2.7 (Truss)
L Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings B, O, & L 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 | 347 | - 3086 | G - H | 322 | - 1689 |
| C - D | 214 | - 2356 | H - I | 182 | - 1632 |
| D - E | 255 | - 2298 | I - J | 163 | - 1727 |
| E - F | 116 | - 2450 | J - K | 386 | - 3 |
| F - G | 116 | - 2450 | K - L | 176 | - 474 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B -AC | 2663 | - 271 | Z - X | 2124 | 0 |
| AC-AB | 2660 | - 272 | X - W | 1652 | 0 |
| AB-AA | 2660 | - 272 | O - N | 410 | - 130 |
| AA- Z | 2070 | 0 | N - L | 420 | - 125 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| C -AA | 339 | - 807 | S - J | 1772 | 0 |
| E - X | 685 | 0 | J - P | 196 | - 2002 |
| X - G | 1458 | 0 | P - O | 168 | - 2084 |
| W - G | 0 | - 420 | O - K | 174 | - 593 |
| W - S | 1546 | 0 | | | |

**Lumber**

Top chord: 2x4 SP #2; T1,T2 2x4 SP M-31;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;
Rt Stub Wedge: 2x4 SP #3;

**Bracing**

(a) Continuous lateral restraint equally spaced on member.

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

**Plating Notes**

All plates are 2X4 except as noted.

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

**Purlins**

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

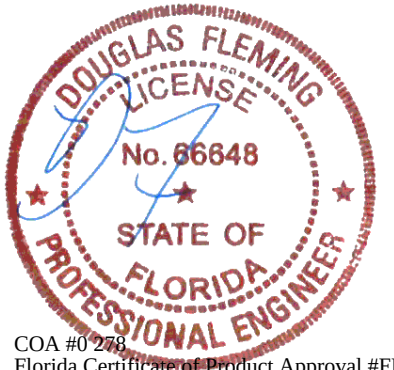
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

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




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

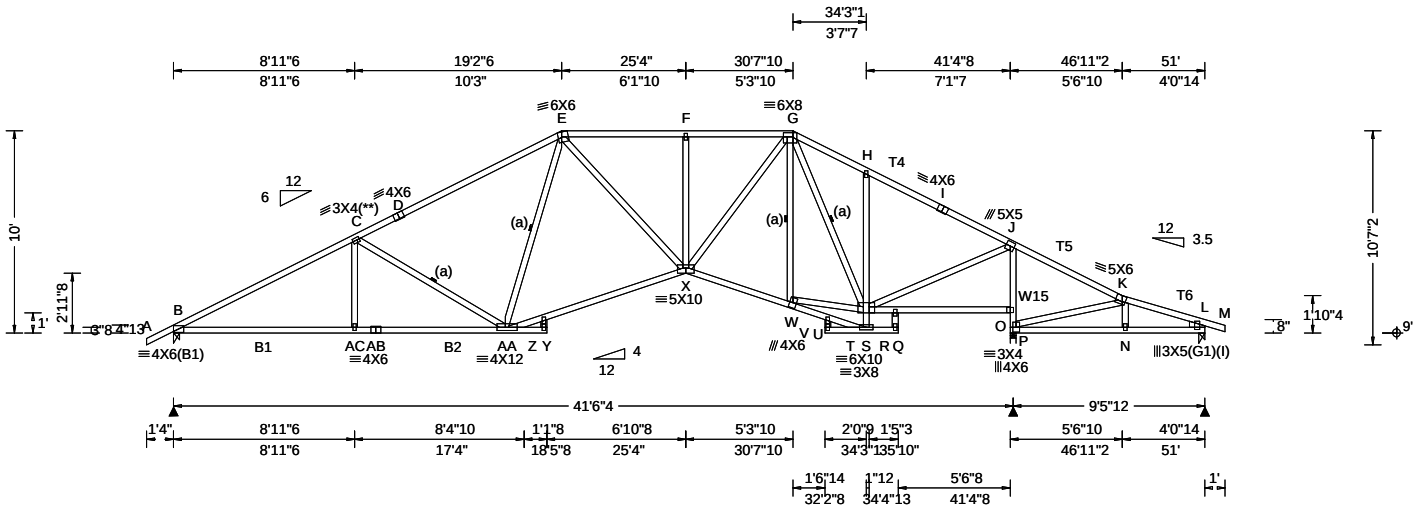
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 34737 COMN<br>FROM: | Ply: 1<br>Qty: 3 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** A04 | Cust: R 215 JRef:1Y0W2150008 T29<br>DrwNo: 176.24.0952.36717<br>NW / DF 06/24/2024 |




| Loading Criteria (psf) | | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria |
|---|---|---|---|---|
| TCLL: | 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: | 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.199 Y 999 240 |
| BCLL: | 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.406 Y 999 180 |
| BCDL: | 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.079 S - - |
| Des Ld: | 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.162 S - - |
| NCBCLL: | 10.00 | Mean Height: 15.30 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: | 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.824 |
| Load Duration: | 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.812 |
| Spacing: | 24.0 " | MWFRS Parallel Dist: h to 2h | Rep Fac: Varies by Ld Case | Max Web CSI: 0.814 |
| | | C&C Dist a: 5.10 ft ft | FT/RT:20(0)/10(0) | |
| | | Loc. from endwall: not in 13.00 ft | Plate Type(s): | VIEW Ver: 23.02.01A.1204.18 |
| | | GCpi: 0.18 | WAVE | |
| | | Wind Duration: 1.60 | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 1899 | /- | /- | /1136 | /343 | /292 |
| O | 2795 | /- | /- | /1293 | /501 | /- |
| L | 527 | /- | /- | /222 | /96 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.6 (Truss)
O Brg Wid = 3.5 Min Req = 3.3 (Truss)
L Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings B, O, & L 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 | 604 | - 3318 | G - H | 339 | - 1967 |
| C - D | 459 | - 2596 | H - I | 322 | - 1932 |
| D - E | 436 | - 2538 | I - J | 360 | - 2027 |
| E - F | 485 | - 2867 | J - K | 486 | - 112 |
| F - G | 485 | - 2868 | K - L | 175 | - 937 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B -AC | 2869 | - 501 | Z - X | 2375 | - 425 |
| AC-AB | 2867 | - 503 | X - W | 2021 | - 347 |
| AB-AA | 2867 | - 503 | O - N | 858 | - 129 |
| AA- Z | 2319 | - 420 | N - L | 864 | - 124 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| C -AA | 334 | - 797 | G - S | 106 | - 499 |
| E - X | 950 | - 134 | S - J | 2136 | - 365 |
| X - G | 1567 | - 260 | J - P | 501 | - 2365 |
| F - X | 145 | - 405 | P - O | 475 | - 2452 |
| W - G | 127 | - 531 | O - K | 186 | - 1143 |
| W - S | 1894 | - 310 | | | |

### Lumber

Top chord: 2x4 SP M-31; T4,T5,T6 2x4 SP #2;
Bot chord: 2x4 SP #2; B1,B2 2x4 SP M-31;
Webs: 2x4 SP #3; W15 2x4 SP #2;
Rt Stub Wedge: 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 | 62 plf at | -1.33 to | 62 plf at | 46.93 |
| TC: From | 61 plf at | 46.93 to | 61 plf at | 52.00 |
| BC: From | 4 plf at | -1.33 to | 4 plf at | 0.00 |
| BC: From | 20 plf at | 0.00 to | 20 plf at | 18.46 |
| BC: From | 21 plf at | 18.46 to | 21 plf at | 33.33 |
| BC: From | 20 plf at | 33.33 to | 20 plf at | 51.00 |
| BC: From | 4 plf at | 51.00 to | 4 plf at | 52.00 |

TC: 400 lb Conc. Load at 29.48,46.40

### Plating Notes

All plates are 2X4 except as noted.

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

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

### Purlins

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

### Wind

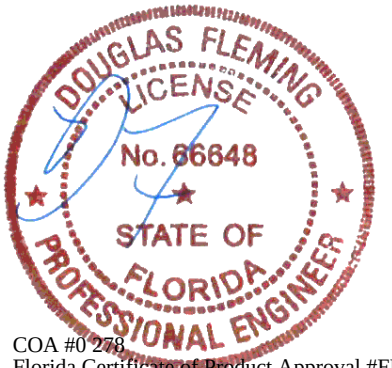
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

### Additional Notes

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

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




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

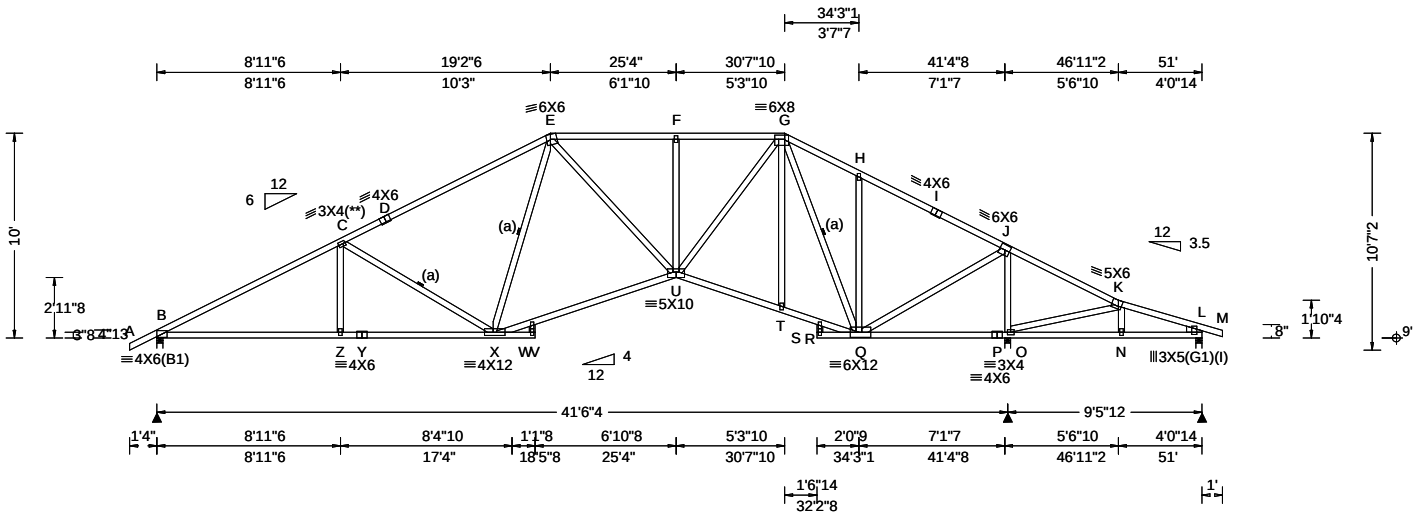
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 34739 COMN<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** A05 | Cust: R 215 JRef:1Y0W2150008 T19<br>DrwNo: 176.24.0952.50517<br>NW / DF 06/24/2024 |




| **Loading Criteria** (psf) | | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** | | | | |
|---|---|---|---|---|---|---|---|---|
| TCLL: | 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in | loc | L/defl | L/# | |
| TCDL: | 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): | 0.164 | V | 999 | 240 |
| BCLL: | 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): | 0.337 | V | 999 | 180 |
| BCDL: | 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): | 0.067 | Q | - | - |
| Des Ld: | 40.00 | EXP: C Kzt: NA | | HORZ(TL): | 0.138 | Q | - | - |
| NCBCLL: | 10.00 | Mean Height: 15.30 ft | Building Code: | Creep Factor: 2.0 | | | | |
| Soffit: | 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.677 | | | | |
| Load Duration: 1.25 | | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.383 | | | | |
| Spacing: 24.0 " | | MWFRS Parallel Dist: h to 2h | Rep Fac: Varies by Ld Case | Max Web CSI: 0.561 | | | | |
| | | C&C Dist a: 5.10 ft ft | FT/RT:20(0)/10(0) | | | | | |
| | | Loc. from endwall: not in 13.00 ft | Plate Type(s): | VIEW Ver: 23.02.01A.1204.18 | | | | |
| | | GCpi: 0.18 | WAVE | | | | | |
| | | Wind Duration: 1.60 | | | | | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 1808 | /- | /- | /1096 | /328 | /292 |
| O | 3333 | /- | /- | /1503 | /588 | /- |
| L | 200 | /-144 | /- | /62 | /114 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
O Brg Wid = 3.5 Min Req = 2.4 (Truss)
L Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings B, O, & L 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 | 570 | - 3126 | G - H | 298 | - 1240 |
| C - D | 425 | - 2395 | H - I | 199 | - 1198 |
| D - E | 402 | - 2337 | I - J | 236 | - 1292 |
| E - F | 425 | - 2531 | J - K | 1554 | - 296 |
| F - G | 426 | - 2532 | K - L | 612 | - 83 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - Z | 2698 | - 471 | T - R | 1661 | - 283 |
| Z - Y | 2696 | - 472 | R - Q | 1641 | - 280 |
| Y - X | 2696 | - 472 | Q - P | 199 | - 1144 |
| X - W | 2112 | - 384 | P - O | 199 | - 1144 |
| W - U | 2168 | - 389 | O - N | 58 | - 573 |
| U - T | 1680 | - 287 | N - L | 63 | - 563 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| C - X | 334 | - 808 | G - Q | 262 | - 1460 |
| E - U | 744 | - 97 | Q - J | 2515 | - 436 |
| U - G | 1549 | - 257 | J - O | 605 | - 2927 |
| F - U | 144 | - 405 | O - K | 180 | - 1024 |

**Lumber**

Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP M-31;
Rt Stub Wedge: 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 | 62 plf at | -1.33 to | 62 plf at | 46.93 |
| TC: From | 61 plf at | 46.93 to | 61 plf at | 52.00 |
| BC: From | 4 plf at | -1.33 to | 4 plf at | 0.00 |
| BC: From | 20 plf at | 0.00 to | 20 plf at | 18.46 |
| BC: From | 21 plf at | 18.46 to | 21 plf at | 33.33 |
| BC: From | 20 plf at | 33.33 to | 20 plf at | 51.00 |
| BC: From | 4 plf at | 51.00 to | 4 plf at | 52.00 |

TC: 400 lb Conc. Load at 29.48,46.40

**Plating Notes**

All plates are 2X4 except as noted.

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

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

**Purlins**

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

**Wind**

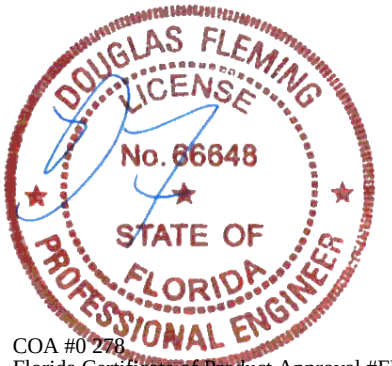
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

**Additional Notes**

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

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




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

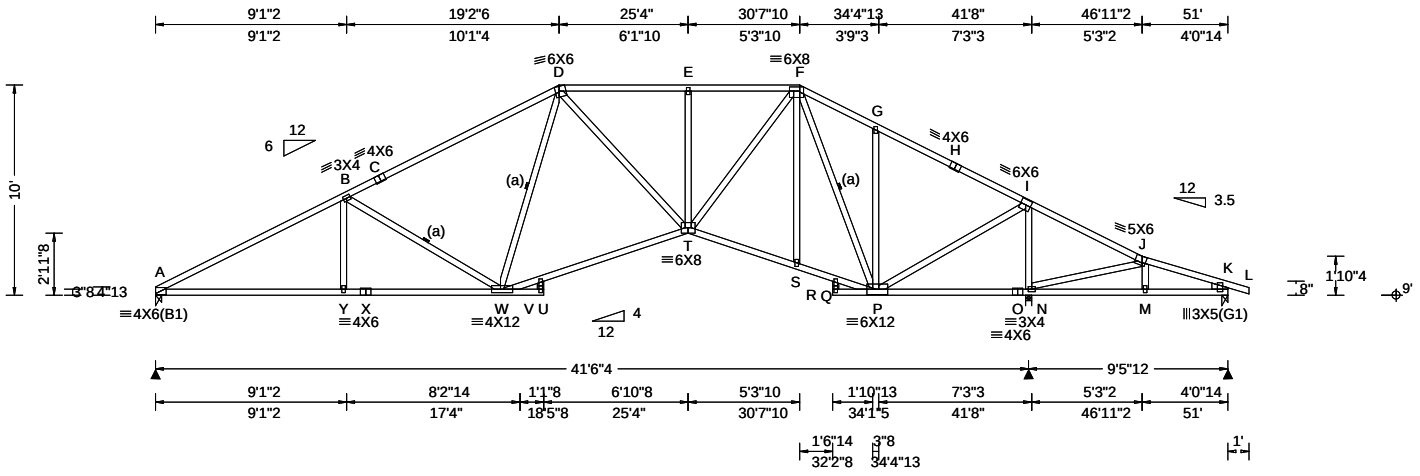
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 34730 SPEC<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** A06 | | Cust: R 215 JRef:1Y0W2150008 T43<br>DrwNo: 176.24.0953.00080<br>NW / DF 06/24/2024 | |




| **Loading Criteria** (psf) | | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** | | | | |
|---|---|---|---|---|---|---|---|---|
| TCLL: | 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in | loc | L/defl | L/# | |
| TCDL: | 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): | 0.163 U | 999 | 240 | |
| BCLL: | 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): | 0.335 U | 999 | 180 | |
| BCDL: | 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): | 0.066 P | - | - | |
| Des Ld: | 40.00 | EXP: C Kzt: NA | | HORZ(TL): | 0.137 P | - | - | |
| NCBCLL: | 10.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 | | | | |
| Soffit: | 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: | 0.669 | | | |
| Load Duration: | 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: | 0.382 | | | |
| Spacing: | 24.0 " | MWFRS Parallel Dist: h to 2h | Rep Fac: Varies by Ld Case | Max Web CSI: | 0.559 | | | |
| | | C&C Dist a: 5.10 ft ft | FT/RT:20(0)/10(0) | | | | | |
| | | Loc. from endwall: not in 13.00 ft | Plate Type(s): | VIEW Ver: 23.02.01A.1204.18 | | | | |
| | | GCpi: 0.18 | WAVE | | | | | |
| | | Wind Duration: 1.60 | | | | | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | 1712 | /- | /- | /1013 | /298 | /268 |
| N | 3320 | /- | /- | /1491 | /590 | /- |
| K | 203 | /-139 | /- | /74 | /98 | /- |

Wind reactions based on MWFRS
A Brg Wid = 3.5 Min Req = 1.5 (Truss)
N Brg Wid = 3.5 Min Req = 2.4 (Truss)
K Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings A, N, & 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. |
|---|---|---|---|---|---|
| A - B | 839 | - 3131 | F - G | 590 | - 1238 |
| B - C | 721 | - 2390 | G - H | 453 | - 1196 |
| C - D | 764 | - 2344 | H - I | 434 | - 1291 |
| D - E | 864 | - 2519 | I - J | 1542 | - 294 |
| E - F | 864 | - 2520 | J - K | 599 | - 259 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - Y | 2704 | - 708 | S - Q | 1655 | - 289 |
| Y - X | 2702 | - 710 | Q - P | 1636 | - 285 |
| X - W | 2702 | - 710 | P - O | 303 | - 1152 |
| W - V | 2104 | - 494 | O - N | 303 | - 1152 |
| V - T | 2160 | - 500 | N - M | 258 | - 560 |
| T - S | 1675 | - 293 | M - K | 261 | - 550 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B - W | 312 | - 843 | F - P | 267 | - 1558 |
| D - T | 831 | - 121 | P - I | 2501 | - 538 |
| T - F | 1538 | - 434 | I - N | 771 | - 2913 |
| E - T | 267 | - 451 | N - J | 178 | - 1025 |

**Lumber**

Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP M-31;
Rt Stub Wedge: 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 | 62 plf at | 0.00 to | 62 plf at | 19.20 | |
| TC: From | 61 plf at | 19.20 to | 61 plf at | 30.64 | |
| TC: From | 62 plf at | 30.64 to | 62 plf at | 46.93 | |
| TC: From | 61 plf at | 46.93 to | 61 plf at | 52.00 | |
| BC: From | 20 plf at | 0.00 to | 20 plf at | 18.46 | |
| BC: From | 21 plf at | 18.46 to | 21 plf at | 33.33 | |
| BC: From | 20 plf at | 33.33 to | 20 plf at | 51.00 | |
| BC: From | 4 plf at | 51.00 to | 4 plf at | 52.00 | |

TC: 400 lb Conc. Load at 29.48,46.41

**Plating Notes**

All plates are 2X4 except as noted.

**Purlins**

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

**Wind**

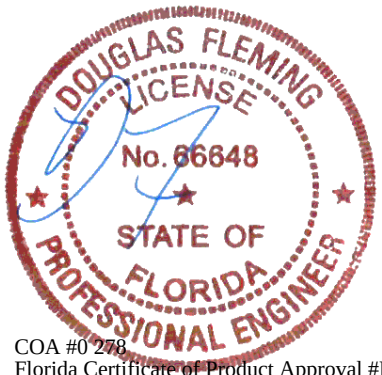
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

**Additional Notes**

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

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




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

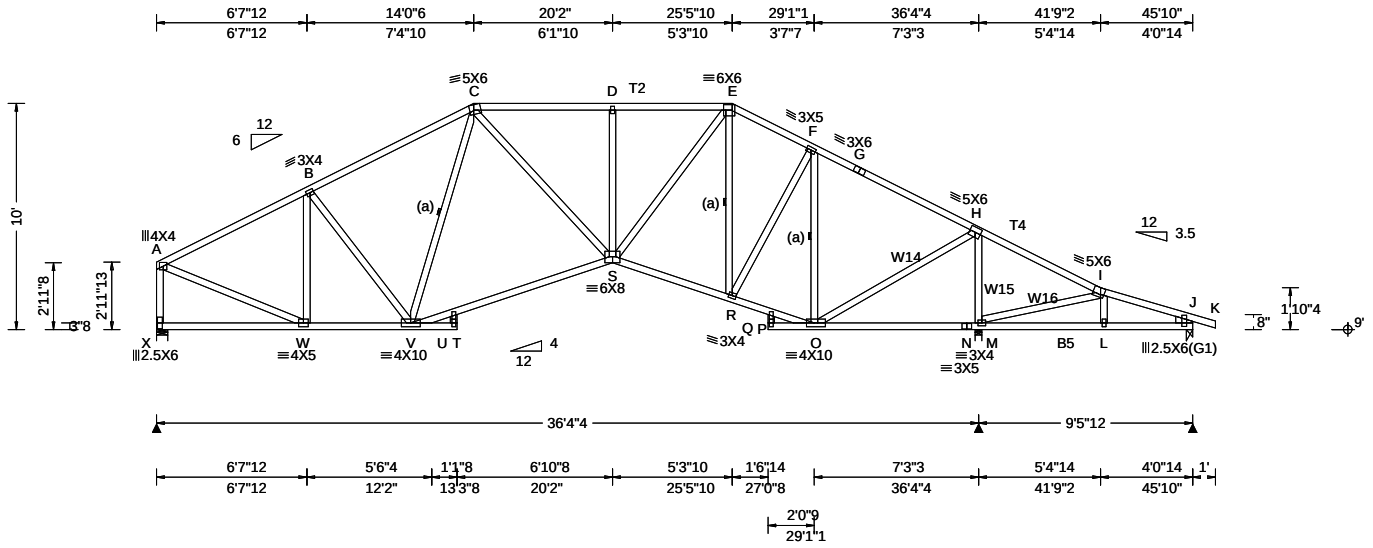
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 34725 SPEC<br>FROM: | Ply: 1<br>Qty: 3 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** A07 | | Cust: R 215 JRef:1Y0W2150008 T51<br>DrwNo: 176.24.0953.08510<br>NW / DF 06/24/2024 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.58 ft ft
Loc. from endwall: not in 13.00 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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.131 | T | 999 | 240 |
| VERT(CL): 0.308 | T | 999 | 180 |
| HORZ(LL): 0.053 | O | - | - |
| HORZ(TL): 0.109 | O | - | - |

Creep Factor: 2.0
Max TC CSI: 0.746
Max BC CSI: 0.740
Max Web CSI: 0.583

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| X | 1531 | /- | /- | /850 | /267 | /256 |
| M | 2923 | /- | /- | /1327 | /517 | /- |
| J | 289 | /- | /- | /108 | /53 | /- |

Wind reactions based on MWFRS
X Brg Wid = 6.0 Min Req = 1.8 (Truss)
M Brg Wid = 3.5 Min Req = 2.0 (Truss)
J Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings X, M, & 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. |
|---|---|---|---|---|---|
| A - B | 498 | - 1683 | E - F | 603 | - 1639 |
| B - C | 619 | - 1723 | F - G | 433 | - 1093 |
| C - D | 759 | - 2147 | G - H | 423 | - 1238 |
| D - E | 759 | - 2147 | H - I | 1156 | - 223 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| W - V | 1456 | - 337 | R - P | 1097 | - 187 |
| V - U | 1597 | - 337 | P - O | 1082 | - 185 |
| U - S | 1651 | - 340 | O - N | 214 | - 831 |
| S - R | 1514 | - 266 | N - M | 214 | - 831 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| A - X | 445 | - 1470 | R - E | 190 | - 901 |
| A - W | 1530 | - 405 | R - F | 925 | - 152 |
| W - B | 209 | - 480 | F - O | 325 | - 1265 |
| V - C | 146 | - 393 | O - H | 2063 | - 414 |
| C - S | 934 | - 170 | H - M | 655 | - 2504 |
| D - S | 295 | - 475 | M - I | 184 | - 1035 |
| S - E | 1182 | - 334 | | | |

**Lumber**

Top chord: 2x4 SP #2; T2,T4 2x4 SP M-31;
Bot chord: 2x4 SP #2; B5 2x4 SP M-31;
Webs: 2x4 SP #3; W14,W15,W16 2x4 SP M-31;
Rt Stub Wedge: 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 | 62 plf at | 0.00 to | 62 plf at | 14.03 | |
| TC: From | 61 plf at | 14.03 to | 61 plf at | 25.47 | |
| TC: From | 62 plf at | 25.47 to | 62 plf at | 41.76 | |
| TC: From | 61 plf at | 41.76 to | 61 plf at | 46.83 | |
| BC: From | 20 plf at | 0.00 to | 20 plf at | 13.29 | |
| BC: From | 21 plf at | 13.29 to | 21 plf at | 28.17 | |
| BC: From | 20 plf at | 28.17 to | 20 plf at | 45.83 | |
| BC: From | 4 plf at | 45.83 to | 4 plf at | 46.83 | |

TC: 400 lb Conc. Load at 24.31,41.25

**Plating Notes**

All plates are 2X4 except as noted.

**Purlins**

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

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

**Wind**

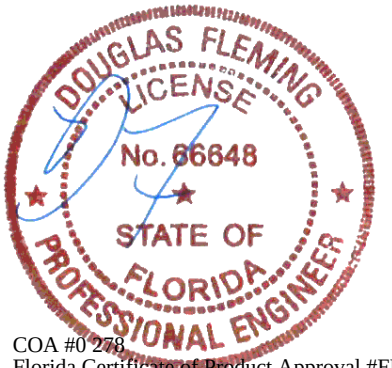
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

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




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

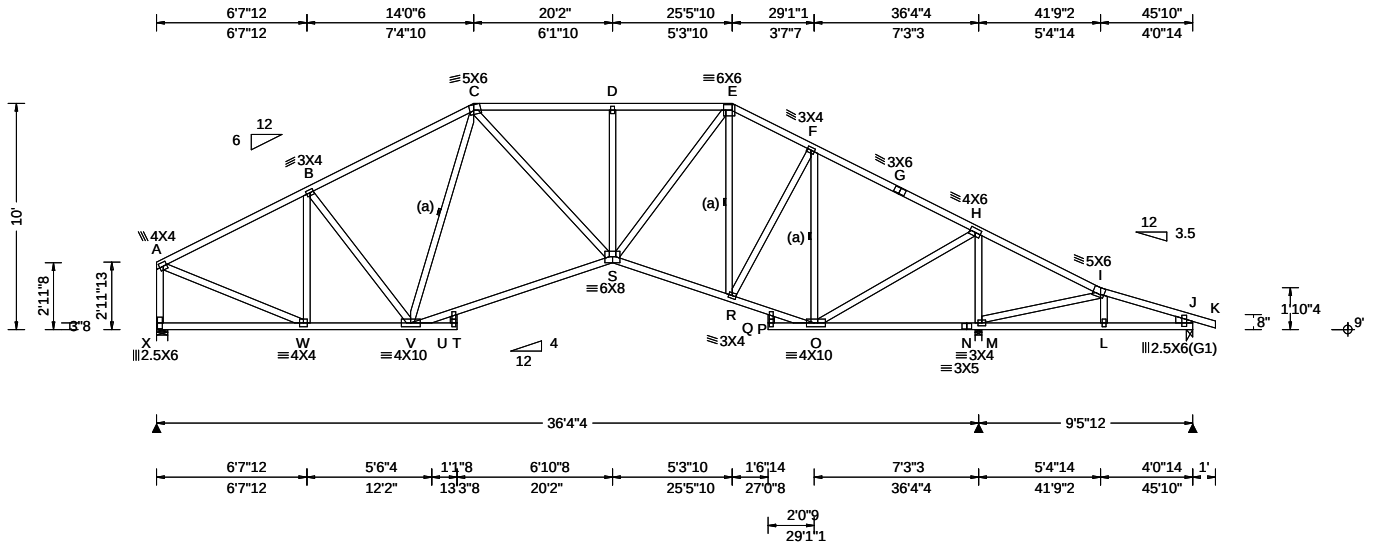
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | |
|---|---|---|---|---|
| SEQN: 34741 SPEC<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** A08 | Cust: R 215 JRef:1Y0W2150008 T34<br>DrwNo: 176.24.0953.18777<br>NW / DF 06/24/2024 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.58 ft ft
Loc. from endwall: not in 13.00 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 8th Ed. 2023 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): 0.128 | T | 999 | 240 |
| VERT(CL): 0.319 | T | 999 | 180 |
| HORZ(LL): 0.047 | O | - | - |
| HORZ(TL): 0.098 | O | - | - |

Creep Factor: 2.0
Max TC CSI: 0.653
Max BC CSI: 0.740
Max Web CSI: 0.749

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| X | 1445 | /- | /- | /856 | /40 | /256 |
| M | 2230 | /- | /- | /1305 | /113 | /- |
| J | 249 | /-4 | /- | /126 | /42 | /- |

Wind reactions based on MWFRS
X Brg Wid = 6.0 Min Req = 1.7 (Truss)
M Brg Wid = 3.5 Min Req = 2.3 (Truss)
J Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings X, M, & 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. |
|---|---|---|---|---|---|
| A - B | 501 | -1577 | E - F | 611 | -1414 |
| B - C | 622 | -1592 | F - G | 442 | -1061 |
| C - D | 766 | -1877 | G - H | 423 | -1155 |
| D - E | 766 | -1877 | H - I | 702 | -162 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| W - V | 1359 | -340 | R - P | 1019 | -183 |
| V - U | 1453 | -340 | P - O | 1005 | -180 |
| U - S | 1506 | -343 | O - N | 196 | -473 |
| S - R | 1284 | -235 | N - M | 196 | -473 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| A - X | 447 | -1384 | R - E | 141 | -588 |
| A - W | 1427 | -408 | R - F | 624 | -106 |
| W - B | 210 | -441 | F - O | 324 | -976 |
| C - S | 733 | -174 | O - H | 1553 | -403 |
| D - S | 294 | -381 | H - M | 642 | -1959 |
| S - E | 1099 | -333 | M - I | 164 | -530 |

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

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

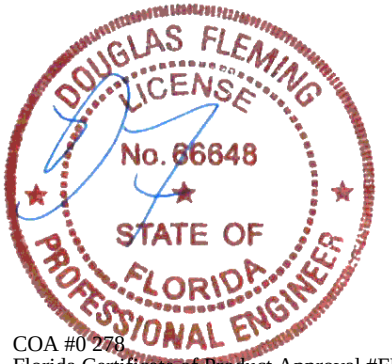
**Plating Notes**
All plates are 2X4 except as noted.

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

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

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

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




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

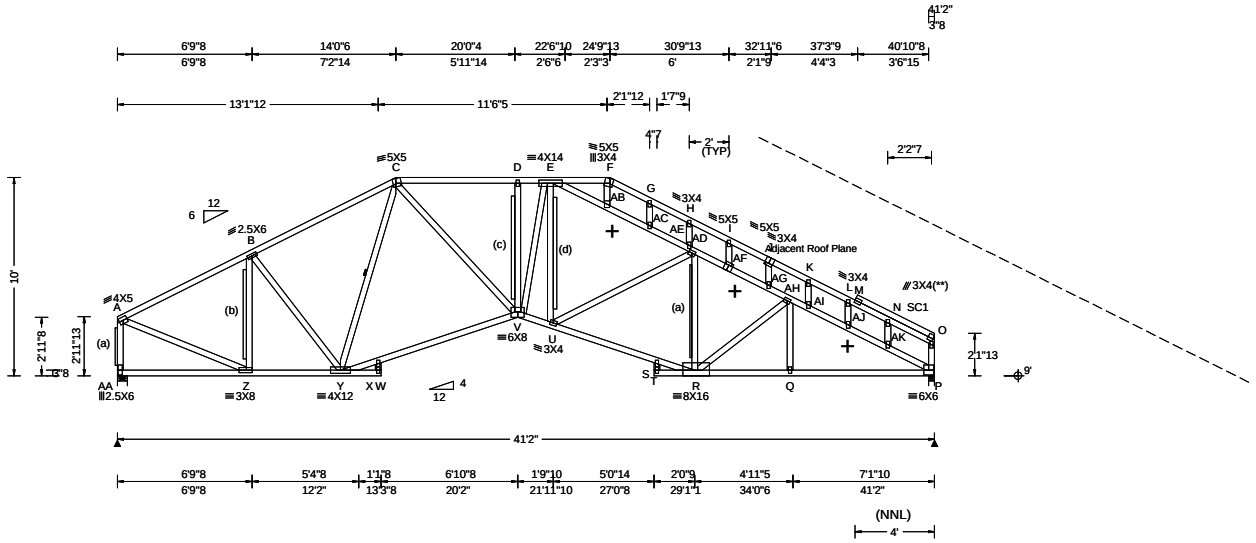
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 26539 GABL<br>FROM:<br>Page 1 of 2 | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** A09 | | Cust: R 215 JRef:1Y0W2150008 T48<br>DrwNo: 176.24.1034.44910<br>NW / DF 06/24/2024 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.12 ft ft
Loc. from endwall: not in 13.00 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 8th Ed. 2023 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): 0.234 | F | 999 | 240 |
| VERT(CL): 0.484 | F | 999 | 180 |
| HORZ(LL): 0.170 | P | - | - |
| HORZ(TL): 0.351 | P | - | - |

Creep Factor: 2.0
Max TC CSI: 0.702
Max BC CSI: 0.856
Max Web CSI: 0.889

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| AA | 1703 | /- | /- | /976 | /- | /265 |
| P | 1703 | /- | /- | /1002 | /- | /- |

Wind reactions based on MWFRS
AA Brg Wid = 6.0 Min Req = 2.0 (Truss)
P Brg Wid = 3.5 Min Req = 2.0 (Truss)
Bearings AA & P are a rigid surface.
Members not listed have forces less than 375#

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - B | 247 | - 1893 | C - D | 219 | - 2635 |
| B - C | 306 | - 1983 | D - E | 219 | - 2635 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| Z - Y | 1646 | - 22 | U - S | 2581 | - 121 |
| Y - X | 1887 | 0 | S - R | 2530 | - 121 |
| X - V | 1943 | 0 | R - Q | 2730 | - 480 |
| V - U | 2572 | 0 | Q - P | 2735 | - 479 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| A -AA | 226 | - 1642 | AE- R | 5 | - 424 |
| A - Z | 1732 | - 164 | AE-AF | 309 | - 2636 |
| Z - B | 116 | - 558 | R -AH | 504 | - 402 |
| Y - C | 0 | - 506 | AF-AG | 306 | - 2663 |
| C - V | 1215 | 0 | AG-AH | 344 | - 2706 |
| V - E | 858 | 0 | AH-AI | 526 | - 2950 |
| E -AB | 9 | - 2705 | AI-AJ | 583 | - 2997 |
| AB-AC | 0 | - 2729 | AJ-AK | 576 | - 3030 |
| AC-AD | 8 | - 2747 | AK- P | 563 | - 3075 |
| AD-AE | 41 | - 2837 | | | |

**Lumber**

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

**Plating Notes**

All plates are 2X4 except as noted.

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

**Purlins**

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

**Wind**

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

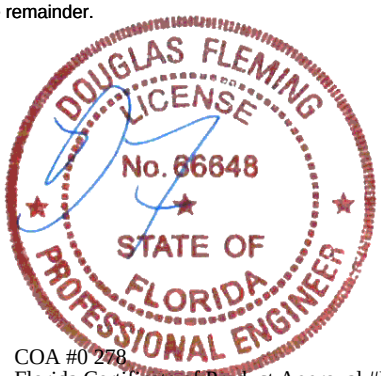
Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/566.

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

+ Member to be laterally braced for out of plane wind loads

**Gable Reinforcement**

(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
(b) 2x6 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
(c) 2x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
(d) 2x6 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

****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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

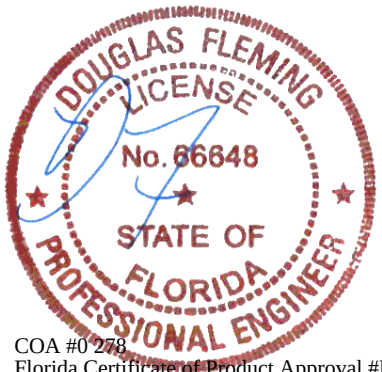

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

**Additional Notes**

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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

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

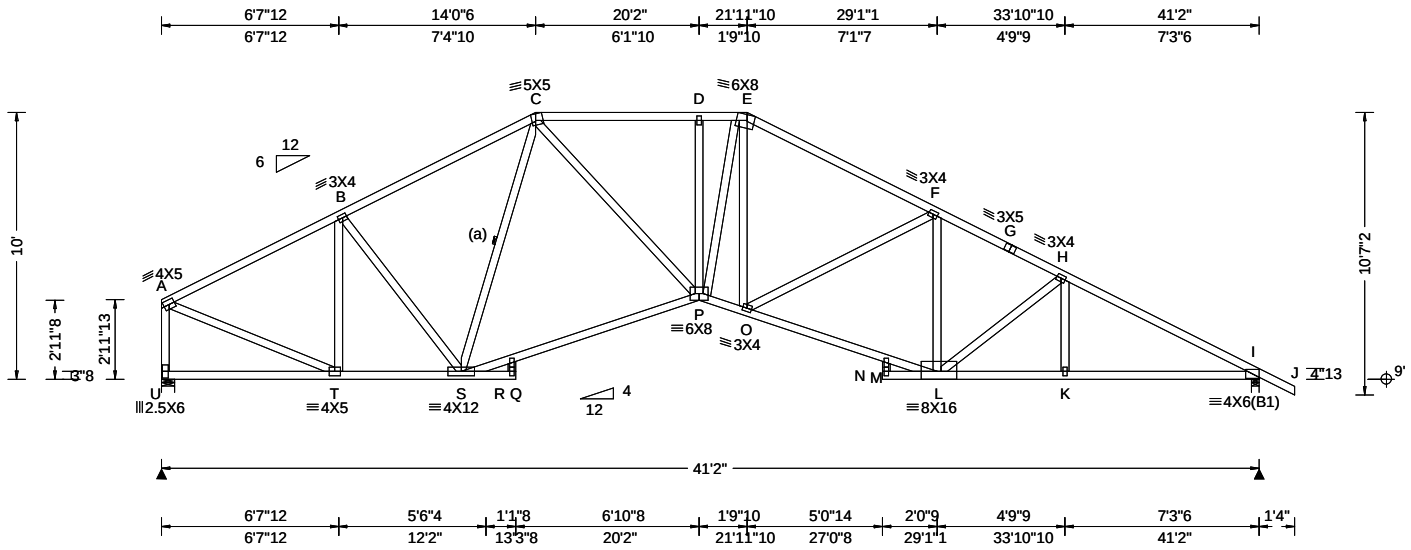



COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024




ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26245 COMN<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** A10 | Cust: R 215 JRef:1Y0W2150008 T39<br>DrwNo: 176.24.1034.48917<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.12 ft ft
Loc. from endwall: not in 13.00 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 8th Ed. 2023 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): 0.191 | Q | 999 | 240 |
| VERT(CL): 0.420 | Q | 999 | 180 |
| HORZ(LL): 0.091 | I | - | - |
| HORZ(TL): 0.188 | I | - | - |

Creep Factor: 2.0
Max TC CSI: 0.774
Max BC CSI: 0.841
Max Web CSI: 0.656

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| U | 1695 | /- | /- | /963 | /- | /270 |
| I | 1800 | /- | /- | /1117 | /- | /- |

Wind reactions based on MWFRS
U Brg Wid = 6.0 Min Req = 2.0 (Truss)
I Brg Wid = 3.5 Min Req = 2.1 (Truss)
Bearings U & 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. |
|---|---|---|---|---|---|
| A - B | 238 | - 1883 | E - F | 265 | - 2779 |
| B - C | 296 | - 1971 | F - G | 366 | - 2669 |
| C - D | 234 | - 2611 | G - H | 352 | - 2724 |
| D - E | 235 | - 2611 | H - I | 379 | - 3130 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| T - S | 1637 | - 51 | O - M | 2543 | - 129 |
| S - R | 1874 | 0 | M - L | 2493 | - 128 |
| R - P | 1930 | 0 | L - K | 2701 | - 229 |
| P - O | 2536 | 0 | K - I | 2703 | - 228 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| A - U | 226 | - 1634 | C - P | 1198 | 0 |
| A - T | 1722 | - 156 | P - E | 832 | 0 |
| T - B | 113 | - 555 | F - L | 11 | - 398 |
| S - C | 0 | - 499 | L - H | 154 | - 410 |

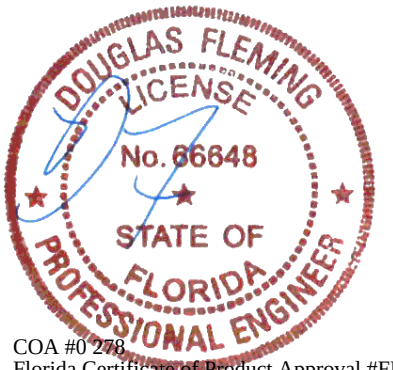
**Lumber**
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

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

**Wind**
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.
Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

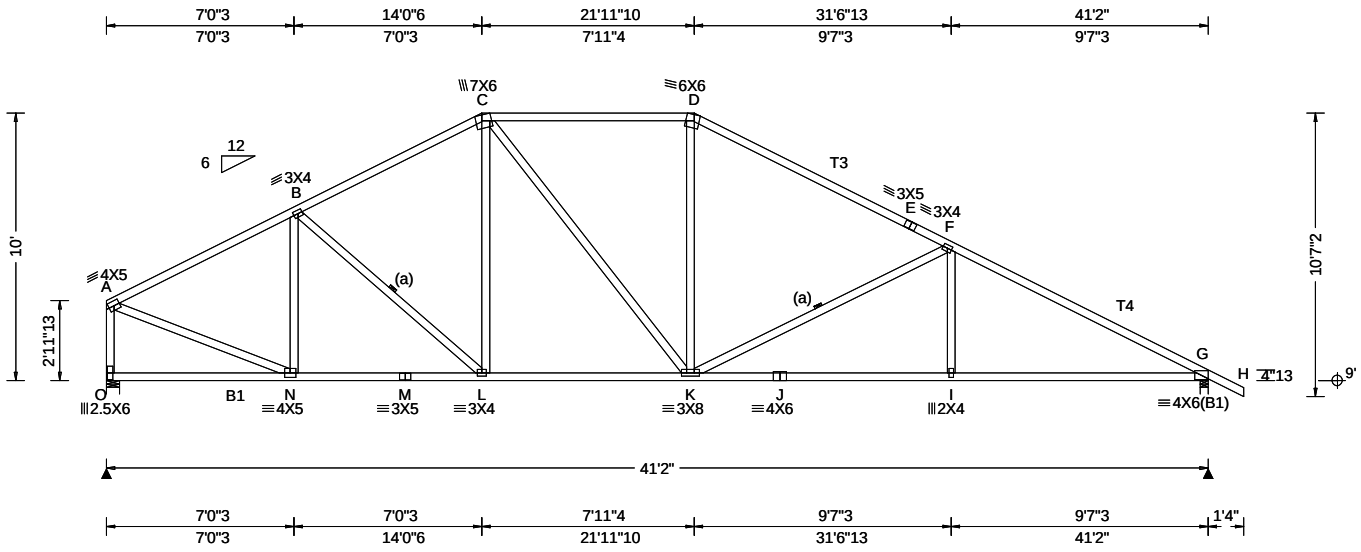



COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

****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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | |
|---|---|---|---|---|
| SEQN: 26241 COMN<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** A11 | Cust: R 215 JRef:1Y0W2150008 T40<br>DrwNo: 176.24.0953.45597<br>NW / DF 06/24/2024 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.12 ft ft
Loc. from endwall: not in 13.00 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 8th Ed. 2023 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): 0.114 | K | 999 | 240 |
| VERT(CL): 0.232 | K | 999 | 180 |
| HORZ(LL): 0.045 | G | - | - |
| HORZ(TL): 0.093 | G | - | - |

Creep Factor: 2.0
Max TC CSI: 0.810
Max BC CSI: 0.629
Max Web CSI: 0.657

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| O | 1687 | /- | /- | /950 | /37 | /270 |
| G | 1792 | /- | /- | /1106 | /92 | /- |

Wind reactions based on MWFRS
O Brg Wid = 6.0 Min Req = 2.0 (Truss)
G Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings O & 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. |
|---|---|---|---|---|---|
| A - B | 576 | - 1910 | D - E | 753 | - 2131 |
| B - C | 714 | - 1933 | E - F | 712 | - 2172 |
| C - D | 762 | - 1823 | F - G | 832 | - 3059 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| N - M | 1651 | - 351 | K - J | 2623 | - 615 |
| M - L | 1651 | - 351 | J - I | 2623 | - 615 |
| L - K | 1638 | - 320 | I - G | 2626 | - 613 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| A - O | 498 | - 1629 | K - D | 493 | - 3 |
| A - N | 1723 | - 467 | K - F | 291 | - 904 |
| N - B | 248 | - 475 | F - I | 398 | 0 |

**Lumber**

Top chord: 2x4 SP #2; T3,T4 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3;

**Bracing**

(a) Continuous lateral restraint equally spaced on member.

**Purlins**

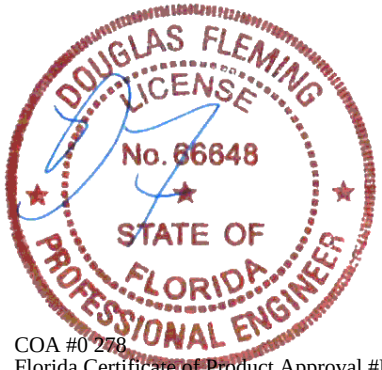
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

**Wind**

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

Left 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
06/24/2024

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

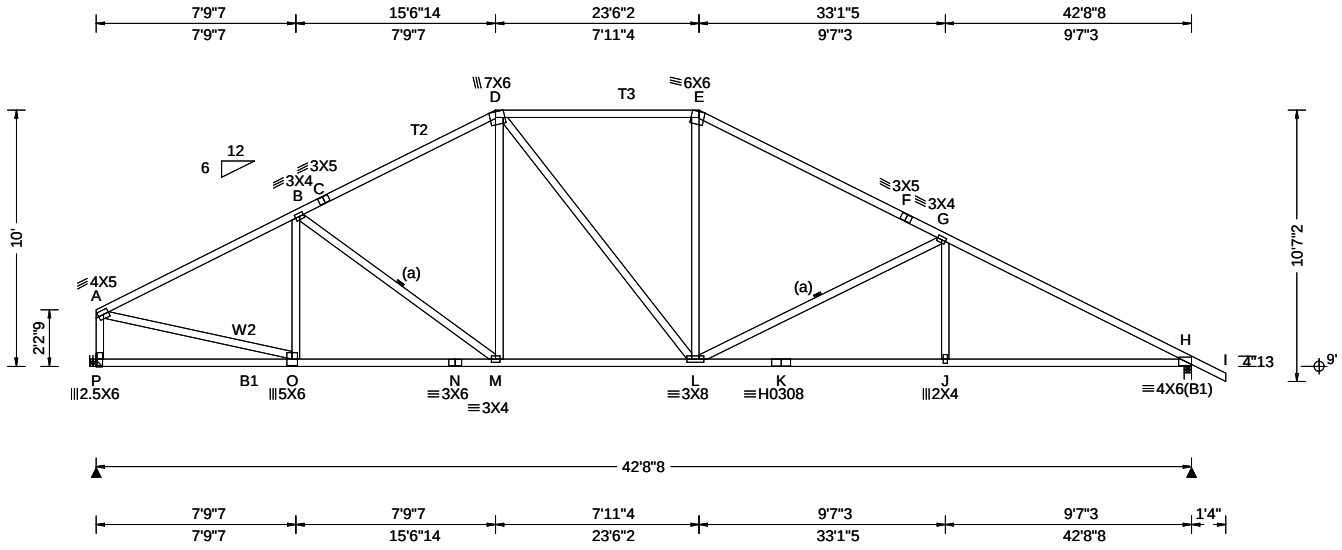
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | |
|---|---|---|---|---|
| SEQN: 26236 SPEC<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** A12 | Cust: R 215 JRef:1Y0W2150008 T38<br>DrwNo: 176.24.0953.52110<br>NW / DF 06/24/2024 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.27 ft 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 8th Ed. 2023 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): 0.128 | L | 999 | 240 |
| VERT(CL): 0.263 | L | 999 | 180 |
| HORZ(LL): 0.051 | H | - | - |
| HORZ(TL): 0.105 | H | - | - |

Creep Factor: 2.0
Max TC CSI: 0.812
Max BC CSI: 0.780
Max Web CSI: 0.821

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| P | 1751 | /- | /- | /1004 | /309 | /273 |
| H | 1856 | /- | /- | /1138 | /331 | /- |

Wind reactions based on MWFRS
P Brg Wid = - Min Req = -
H Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearing H is a rigid surface.
Members not listed have forces less than 375#

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - B | 970 | - 2318 | E - F | 1081 | - 2270 |
| B - C | 1012 | - 2148 | F - G | 1041 | - 2310 |
| C - D | 1045 | - 2120 | G - H | 1291 | - 3195 |
| D - E | 1076 | - 1948 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| O - N | 2004 | - 651 | L - K | 2745 | - 980 |
| N - M | 2004 | - 651 | K - J | 2745 | - 980 |
| M - L | 1818 | - 478 | J - H | 2748 | - 979 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| A - P | 736 | - 1686 | L - E | 541 | - 86 |
| A - O | 2008 | - 767 | L - G | 506 | - 901 |
| D - M | 400 | - 57 | G - J | 397 | 0 |

**Lumber**

Top chord: 2x4 SP M-31; T2,T3 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3; W2 2x4 SP #2;

**Bracing**

(a) Continuous lateral restraint equally spaced on member.

**Hangers / Ties**

(J) Hanger Support Required, by others

**Purlins**

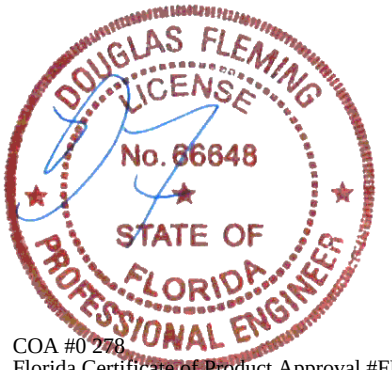
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

**Wind**

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

Left 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
06/24/2024

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

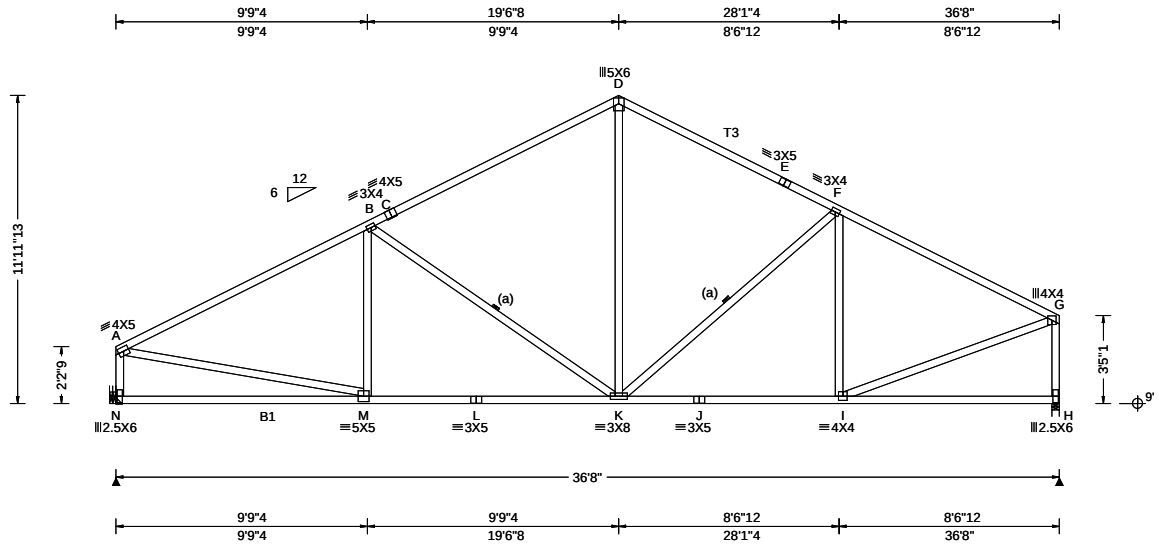
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 26541 SPEC<br>FROM:<br>Page 1 of 2 | Ply: 1<br>Qty: 5 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** A13 | | Cust: R 215 JRef:1Y0W2150008 T59<br>DrwNo: 176.24.0953.58257<br>NW / DF 06/24/2024 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 16.10 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.67 ft 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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.070 | K | 999 | 240 |
| VERT(CL): 0.145 | K | 999 | 180 |
| HORZ(LL): 0.022 | H | - | - |
| HORZ(TL): 0.046 | H | - | - |

Creep Factor: 2.0
Max TC CSI: 0.789
Max BC CSI: 0.811
Max Web CSI: 0.634

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| N | 1510 | /- | /- | /879 | /272 | /349 |
| H | 1609 | /- | /- | /844 | /292 | /- |

Wind reactions based on MWFRS
N Brg Wid = - Min Req = -
H Brg Wid = 3.5 Min Req = 1.9 (Truss)
Bearing H is a rigid surface.
Members not listed have forces less than 375#

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - B | 481 | - 2019 | D - E | 489 | - 1435 |
| B - C | 461 | - 1514 | E - F | 457 | - 1491 |
| C - D | 505 | - 1491 | F - G | 434 | - 1723 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| M - L | 1708 | - 481 | K - J | 1423 | - 373 |
| L - K | 1708 | - 481 | J - I | 1423 | - 373 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| A - N | 377 | - 1430 | D - K | 738 | - 168 |
| A - M | 1663 | - 310 | I - G | 1471 | - 329 |
| B - K | 248 | - 594 | G - H | 378 | - 1538 |

**Lumber**

Top chord: 2x4 SP M-31; T3 2x4 SP #2;
Bot chord: 2x4 SP #2; B1 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 62 plf at 0.00 to 62 plf at 36.67
BC: From 20 plf at 0.00 to 20 plf at 36.67
TC: 100 lb Conc. Load at 36.47

**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.


COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

****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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

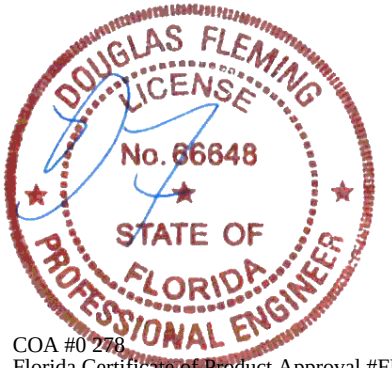
**Hangers / Ties**

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

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

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

(J) Hanger Support Required, by others
Bearing N (0', 9') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.



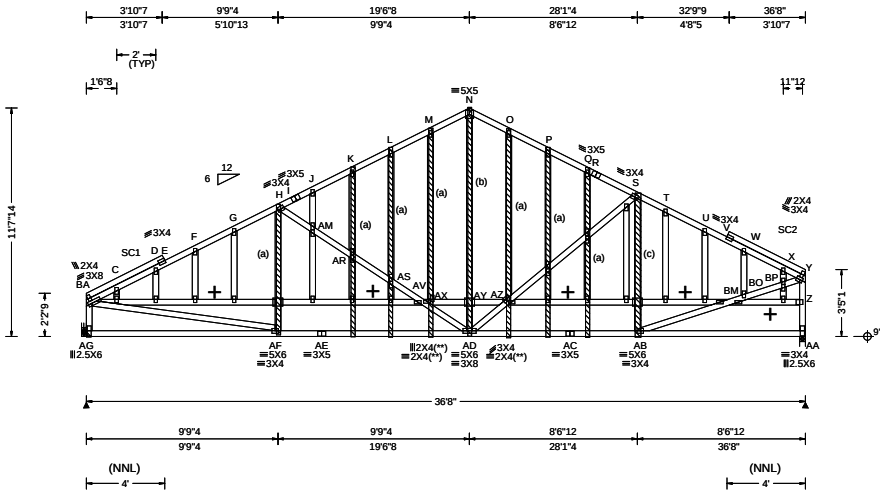

COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024




ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 26543 GABL | Ply: 2 | **Job Number:** 24-1285 | Cust: R 215 JRef:1Y0W2150008 T27 |
| FROM: | Qty: 1 | Hedrick | DrwNo: 176.24.1034.10847 |
| Page 1 of 2 | | **Truss Label:** A14 | NW / DF 06/24/2024 |

**2 Complete Trusses Required**




| **Loading Criteria** (psf) | | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|---|
| TCLL: | 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: | 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.161 F 999 240 |
| BCLL: | 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.326 F 999 180 |
| BCDL: | 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.074 F - - |
| Des Ld: | 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.150 F - - |
| NCBCLL: | 0.00 | Mean Height: 15.77 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: | 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.527 |
| Load Duration: | 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.564 |
| Spacing: | 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: No | Max Web CSI: 0.746 |
| | | C&C Dist a: 3.67 ft ft | FT/RT:20(0)/10(0) | |
| | | Loc. from endwall: Any | Plate Type(s): | |
| | | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | | Wind Duration: 1.60 | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | |
|---|---|---|---|---|---|
| Loc | R+ / R- | / Rh | / Rw | / U | / RL |
| AG | 1776 /- | /- | /- | /391 | /87 |
| AA | 1939 /- | /- | /- | /420 | /- |

Wind reactions based on MWFRS
AG Brg Wid = - Min Req = -
AA Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearing AA is a rigid surface.
Members not listed have forces less than 375#

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - C | 291 | -1296 | N - O | 213 | -913 |
| C - D | 288 | -1288 | O - P | 209 | -910 |
| D - E | 295 | -1303 | P - Q | 213 | -918 |
| E - F | 278 | -1268 | Q - R | 220 | -929 |
| F - G | 283 | -1279 | R - S | 225 | -943 |
| G - H | 266 | -1241 | S - T | 227 | -1028 |
| H - I | 240 | -975 | T - U | 242 | -1058 |
| I - J | 238 | -969 | U - V | 239 | -1049 |
| J - K | 221 | -933 | V - W | 250 | -1077 |
| K - L | 218 | -927 | W - X | 235 | -1044 |
| L - M | 216 | -925 | X - Y | 238 | -1051 |
| M - N | 218 | -920 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| AF-AE | 861 | -134 | AD-AC | 665 | -86 |
| AE-AD | 861 | -134 | AC-AB | 665 | -86 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| B -AF | 828 | -170 | AD-AZ | 144 | -379 |
| H -AM | 83 | -393 | AY-AD | 712 | -150 |
| AR-AS | 79 | -385 | AY-AZ | 450 | -173 |
| AS-AV | 90 | -408 | AB-BM | 668 | -87 |
| AV-AX | 450 | -172 | BM-BO | 986 | -224 |
| AV-AD | 192 | -592 | BO-BP | 1009 | -234 |
| AX-AY | 450 | -172 | BP- Y | 999 | -229 |
| N -AY | 714 | -153 | | | |

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

| Gables | Tens. | Comp. | Gables | Tens. | Comp. |
|---|---|---|---|---|---|
| B -AG | 211 | -827 | Z -AA | 226 | -904 |
| Z - Y | 222 | -897 | | | |

**Lumber**

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

**Nailnote**

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

**Special Loads**

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 31 plf at 0.00 to 31 plf at 36.67
BC: From 10 plf at 0.00 to 10 plf at 36.67
TC: 66 lb Conc. Load at 1.90, 3.90, 5.90, 7.90 9.90,11.90,13.90,15.90,17.90,19.90,21.90,23.90 25.90,27.90,29.90,31.90,33.90,35.90
TC: 100 lb Conc. Load at 36.50
BC: 51 lb Conc. Load at 1.90, 3.90, 5.90, 7.90 9.90,11.90,13.90,15.90,17.90,19.90,21.90,23.90 25.90,27.90,29.90,31.90,33.90,35.90

**Plating Notes**

All plates are 2X4 except as noted.

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

+ Member to be laterally braced for out of plane wind loads

**Hangers / Ties**

(J) Hanger Support Required, by others

**Wind**

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.


COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

****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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org


ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

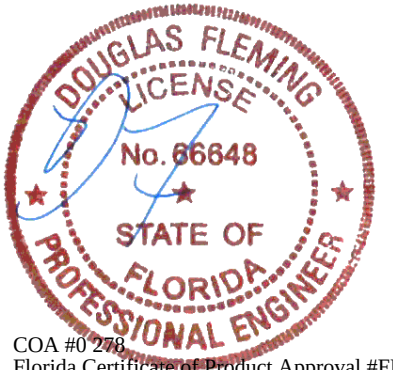
**Additional Notes**

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

**Gable Reinforcement**

(a) 2x3 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.
(b) 2x6 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.
(c) 2x4 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.

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

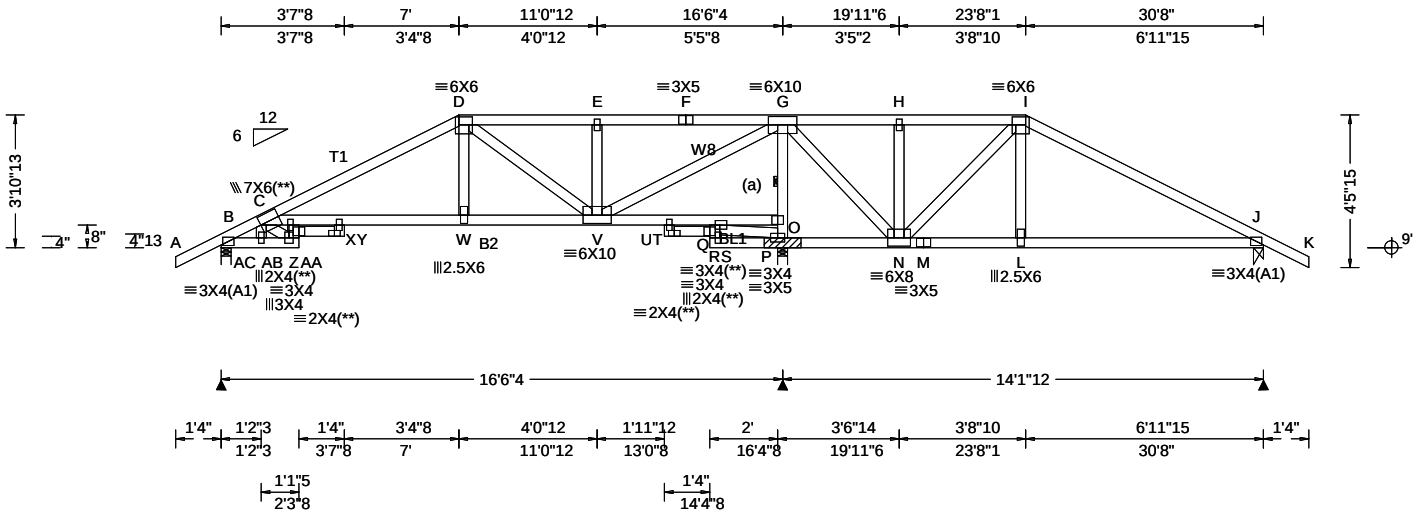



COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024




ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 34745 HIPS | Ply: 1 | **Job Number:** 24-1285 | Cust: R 215 JRef:1Y0W2150008 T3 |
| FROM: | Qty: 1 | Hedrick | DrwNo: 176.24.1000.07233 |
| Page 1 of 2 | | **Truss Label:** B01 | NW / DF 06/24/2024 |




| **Loading Criteria** (psf) | | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|---|
| TCLL: | 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: | 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.199 Y 979 240 |
| BCLL: | 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.400 Y 487 180 |
| BCDL: | 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.058 V - - |
| Des Ld: | 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.118 V - - |
| NCBCLL: | 10.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: | 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.838 |
| Load Duration: | 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.591 |
| Spacing: | 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Varies by Ld Case | Max Web CSI: 0.839 |
| | | C&C Dist a: 3.07 ft ft | FT/RT:20(0)/10(0) | |
| | | Loc. from endwall: not in 4.50 ft | Plate Type(s): | |
| | | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | | Wind Duration: 1.60 | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 1116 | /- | /- | /- | /259 | /- |
| P | 4262 | /- | /- | /- | /926 | /- |
| J | 909 | /- | /- | /- | /195 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
P Brg Wid = 3.5 Min Req = -
J Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings B, P, & 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. |
|---|---|---|---|---|---|
| B - C | 314 | - 1242 | E - F | 261 | - 811 |
| C - D | 504 | - 2083 | F - G | 261 | - 811 |
| D - E | 261 | - 811 | I - J | 276 | - 1251 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B -AC | 959 | - 261 | V - T | 294 | - 1670 |
| C - Z | 1486 | - 347 | T - Q | 243 | - 1480 |
| AC-AB | 940 | - 253 | P - N | 247 | - 1500 |
| Z - X | 1519 | - 364 | N - M | 1080 | - 219 |
| X - W | 1813 | - 425 | M - L | 1080 | - 219 |
| W - V | 1880 | - 436 | L - J | 1036 | - 214 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| C -AB | 220 | - 761 | Q - P | 221 | - 1442 |
| AB-AA | 600 | - 164 | P - O | 901 | - 3440 |
| Z -AA | 494 | - 131 | G - O | 947 | - 3611 |
| D - W | 1338 | - 219 | G - N | 2122 | - 412 |
| D - V | 216 | - 1358 | N - I | 254 | - 1419 |
| E - V | 193 | - 395 | L - I | 1072 | - 131 |
| V - G | 2783 | - 630 | | | |

**Lumber**

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3; W8 2x4 SP #2;

**Bracing**

(a) Continuous lateral restraint equally spaced on member.

**Special Loads**

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

| | | | | | |
|---|---|---|---|---|---|
| TC: From | 62 plf at | -1.33 to | 62 plf at | 7.00 |
| TC: From | 31 plf at | 7.00 to | 31 plf at | 23.67 |
| TC: From | 62 plf at | 23.67 to | 62 plf at | 32.00 |
| BC: From | 4 plf at | -1.33 to | 4 plf at | 0.00 |
| BC: From | 20 plf at | 0.00 to | 20 plf at | 7.03 |
| BC: From | 10 plf at | 7.03 to | 10 plf at | 23.64 |
| BC: From | 20 plf at | 23.64 to | 20 plf at | 30.67 |
| BC: From | 4 plf at | 30.67 to | 4 plf at | 32.00 |

TC: 94 lb Conc. Load at 9.06,11.06,13.06
TC: 190 lb Conc. Load at 15.06,15.60,17.61,19.61 21.61
BC: 897 lb Conc. Load at 7.03,23.64
BC: 181 lb Conc. Load at 9.06,11.06,13.06
BC: 130 lb Conc. Load at 15.06,15.60,17.61,19.61 21.61

**Plating Notes**

All plates are 2X4 except as noted.

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

**Purlins**

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

**Wind**

Wind loads and reactions based on MWFRS.

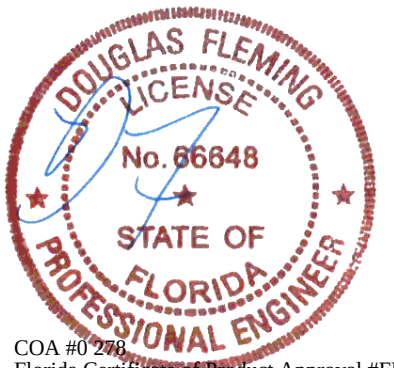
Wind loading based on both gable and hip roof types.

**Bearing Block(s)**

Brg blocks:0.131"x3", min. nails

| brg | x-loc | #blocks | length/blk | #nails/blk | wall plate |
|---|---|---|---|---|---|
| 2 | 16.375' | 1 | 13" | 8 | Rigid Surface |

Brg block to be same size and species as chord.
Refer to drawing CNNAILSP1014 for more information.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

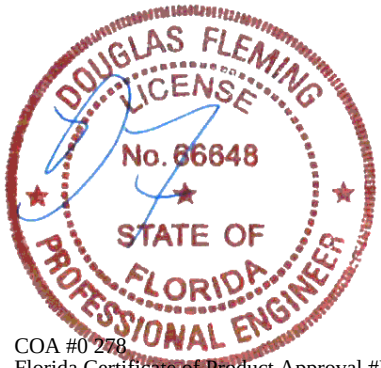
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

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

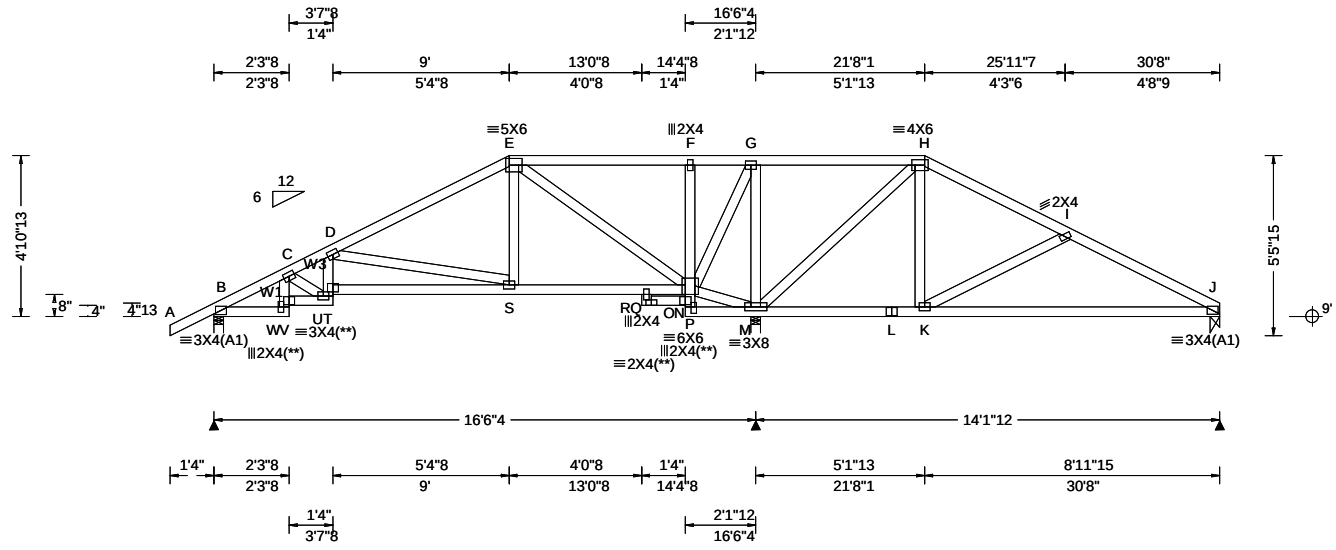



COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024




ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 34754 HIPS<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** B02 | | Cust: R 215 JRef:1Y0W2150008 T26<br>DrwNo: 176.24.1000.12130<br>NW / DF 06/24/2024 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.07 ft 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 8th Ed. 2023 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 | D | 999 | 240 |
| VERT(CL): 0.093 | D | 999 | 180 |
| HORZ(LL): 0.023 | J | - | - |
| HORZ(TL): 0.049 | P | - | - |

Creep Factor: 2.0
Max TC CSI: 0.522
Max BC CSI: 0.555
Max Web CSI: 0.809

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 576 | /- | /- | /365 | /95 | /137 |
| M | 1741 | /- | /- | /921 | /338 | /- |
| J | 432 | /- | /- | /283 | /66 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
M Brg Wid = 3.5 Min Req = 1.7 (Truss)
J Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings B, M, & 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. |
|---|---|---|---|---|---|
| B - C | 155 | - 688 | F - G | 526 | - 104 |
| C - D | 228 | - 823 | G - H | 775 | - 212 |
| D - E | 136 | - 389 | I - J | 169 | - 551 |
| E - F | 525 | - 104 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - W | 562 | - 125 | T - S | 950 | - 252 |
| V - U | 767 | - 172 | K - J | 455 | - 108 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| D - S | 242 | - 681 | G - M | 450 | - 760 |
| E - N | 344 | - 912 | M - H | 305 | - 932 |
| N - G | 598 | - 215 | H - K | 416 | - 21 |
| N - M | 401 | - 787 | K - I | 213 | - 380 |

**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W1,W3 2x4 SP M-31;

**Plating Notes**

All plates are 3X4 except as noted.

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

**Purlins**

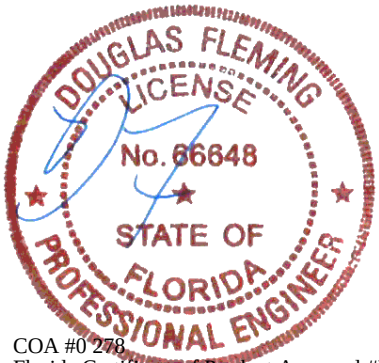
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

**Wind**

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

Wind loading based on both gable and hip roof types.

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




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

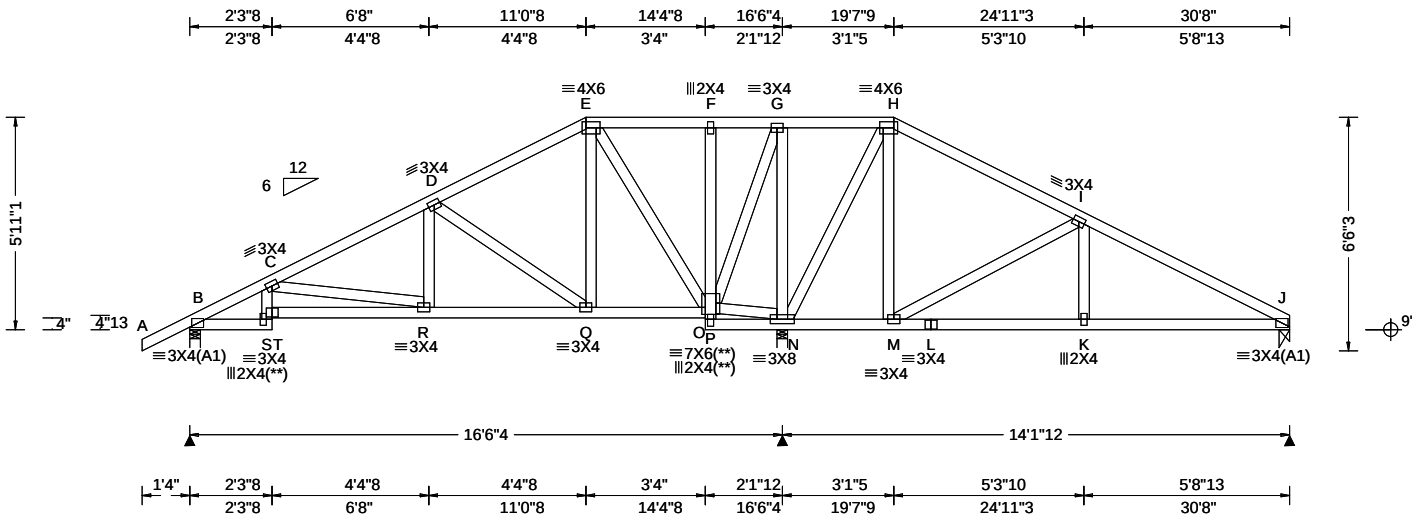
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 34756 HIPS<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** B03 | | Cust: R 215 JRef:1Y0W2150008 T20<br>DrwNo: 176.24.1000.14647<br>NW / DF 06/24/2024 | |




| **Loading Criteria** (psf) | | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** | | | | |
|---|---|---|---|---|---|---|---|---|
| TCLL: | 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in | loc | L/defl | L/# | |
| TCDL: | 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): | 0.028 C | 999 | 240 | |
| BCLL: | 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): | 0.061 C | 999 | 180 | |
| BCDL: | 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): | 0.015 J | - | - | |
| Des Ld: | 40.00 | EXP: C Kzt: NA | | HORZ(TL): | 0.031 N | - | - | |
| NCBCLL: | 10.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 | | | | |
| Soffit: | 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: | 0.446 | | | |
| Load Duration: | 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: | 0.312 | | | |
| Spacing: | 24.0 " | MWFRS Parallel Dist: h/2 to h | Rep Fac: Yes | Max Web CSI: | 0.759 | | | |
| | | C&C Dist a: 3.07 ft ft | FT/RT:20(0)/10(0) | | | | | |
| | | Loc. from endwall: not in 9.00 ft | Plate Type(s): | VIEW Ver: 23.02.01A.1204.18 | | | | |
| | | GCpi: 0.18 | WAVE | | | | | |
| | | Wind Duration: 1.60 | | | | | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 571 | /- | /- | /357 | /101 | /164 |
| N | 1764 | /- | /- | /963 | /315 | /- |
| J | 411 | /- | /- | /274 | /80 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
N Brg Wid = 3.5 Min Req = 1.7 (Truss)
J Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings B, N, & 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. |
|---|---|---|---|---|---|
| B - C | 179 | - 729 | G - H | 679 | - 79 |
| C - D | 164 | - 563 | H - I | 401 | - 81 |
| E - F | 436 | 0 | I - J | 171 | - 514 |
| F - G | 436 | 0 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - T | 613 | - 150 | M - L | 399 | - 105 |
| S - R | 832 | - 204 | L - K | 399 | - 105 |
| R - Q | 444 | - 90 | K - J | 403 | - 104 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| C - R | 125 | - 383 | O - N | 284 | - 680 |
| D - Q | 169 | - 492 | G - N | 402 | - 803 |
| E - Q | 387 | - 59 | N - H | 235 | - 804 |
| E - O | 239 | - 744 | M - I | 211 | - 579 |
| O - G | 661 | - 244 | | | |

**Lumber**

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

**Plating Notes**

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

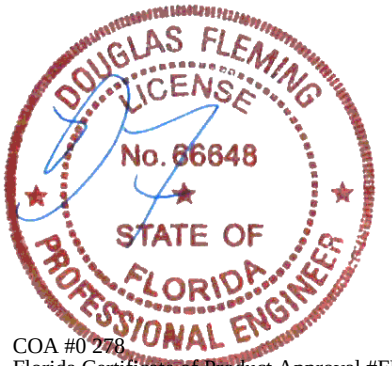
**Purlins**

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

**Wind**

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

Wind loading based on both gable and hip roof types.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

****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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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.

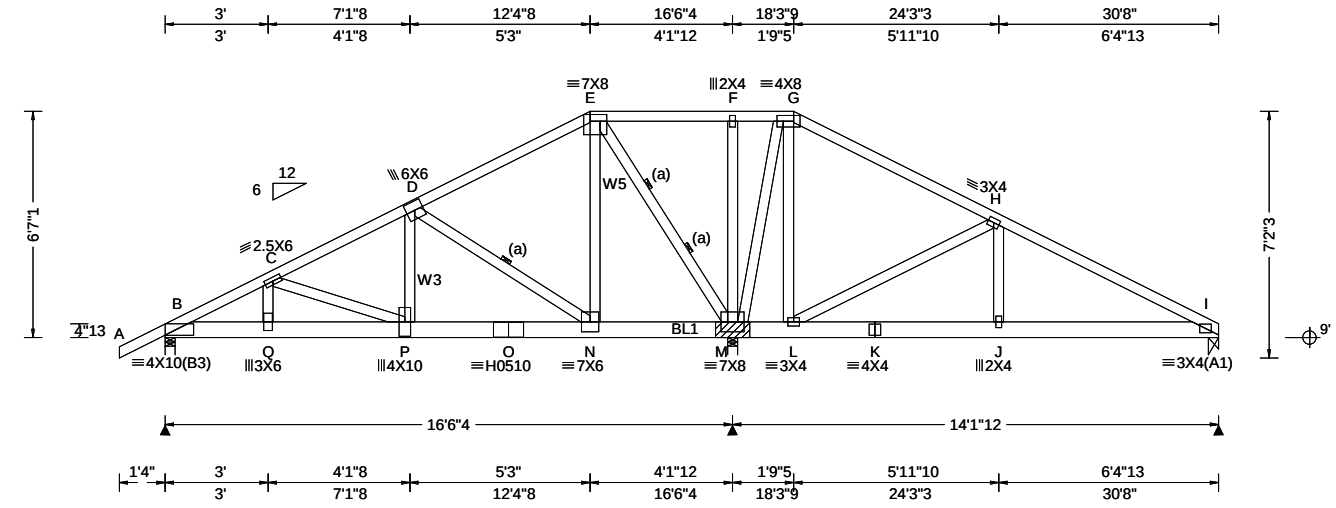
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 26505 HIPS<br>FROM: | Ply: 2<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** B04 | | Cust: R 215 JRef:1Y0W2150008 T41<br>DrwNo: 176.24.1000.53177<br>NW / DF 06/24/2024 | |

**2 Complete Trusses Required**




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 0.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.07 ft 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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.094 | P | 999 | 240 |
| VERT(CL): 0.188 | P | 999 | 180 |
| HORZ(LL): 0.022 | C | - | - |
| HORZ(TL): 0.045 | C | - | - |

Creep Factor: 2.0
Max TC CSI: 0.583
Max BC CSI: 0.525
Max Web CSI: 0.892

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 4715 | /- | /- | /- | /912 | /- |
| M | 9687 | /- | /- | /- | /1752 | /- |
| I | 438 | /-712 | /- | /138 | /- | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 2.0 (Truss)
M Brg Wid = 3.5 Min Req = -
I Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings B, M, & 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 | 866 | -4567 | F - G | 1343 | -249 |
| C - D | 627 | -3417 | G - H | 1386 | -266 |
| D - E | 159 | -872 | H - I | 1034 | -273 |
| E - F | 1342 | -249 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - Q | 4053 | -766 | M - L | 227 | -1211 |
| Q - P | 4008 | -757 | L - K | 212 | -885 |
| P - O | 2888 | -527 | K - J | 212 | -885 |
| O - N | 2888 | -527 | J - I | 214 | -882 |
| N - M | 742 | -127 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| Q - C | 863 | -164 | E - N | 3383 | -582 |
| C - P | 219 | -1039 | E - M | 677 | -3751 |
| P - D | 2465 | -423 | M - G | 80 | -477 |
| D - N | 488 | -2618 | | | |

**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W3,W5 2x4 SP #2;

**Bracing**

(a) Continuous lateral restraint equally spaced on member.

**Nailnote**

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 4.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

**Special Loads**

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at -1.33 to 62 plf at 30.67
BC: From 4 plf at -1.33 to 4 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 30.67
BC: 1775 lb Conc. Load at 3.12
BC: 1510 lb Conc. Load at 5.06, 7.06, 9.06,11.06 13.06
BC: 1751 lb Conc. Load at 15.06

**Purlins**

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

**Wind**

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

**Bearing Block(s)**

Brg blocks:0.131"x3", min. nails

| brg | x-loc | #blocks | length/blk | #nails/blk | wall plate |
|---|---|---|---|---|---|
| 2 | 16.375' | 1 | 12" | 4 | Rigid Surface |

Brg block to be same size and species as chord.
Refer to drawing CNNAILSP1014 for more information.

**Additional Notes**

Negative reaction(s) of -712# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.


COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

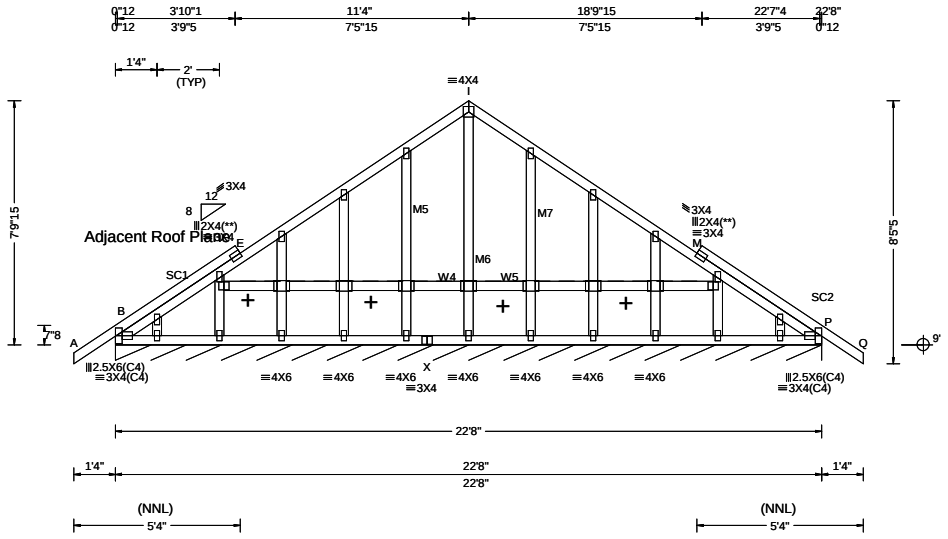
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org


ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 32922 / GABL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** C01 | Cust: R 215 JRef:1Y0W2150008 T9 /<br>DrwNo: 173.24.1518.48422<br>NW / FV 06/21/2024 |




| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.003 E 999 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.005 E 999 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.003 M - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.004 M - - |
| NCBCLL: 10.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.238 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.057 |
| Spacing: 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes | Max Web CSI: 0.526 |
| | C&C Dist a: 3.00 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: Any | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | Wind Duration: 1.60 | | |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| P* | 92 | /- | /- | /49 | /15 | /11 |

Wind reactions based on MWFRS
P Brg Wid = 272 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

+ Member to be laterally braced for out of plane wind loads

**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W4,W5,M5,M6,M7 2x4 SP M-31;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

**Plating Notes**

All plates are 2X4 except as noted.

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

**Wind**

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

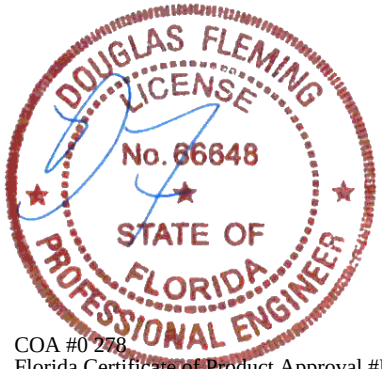
Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

**Additional Notes**

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

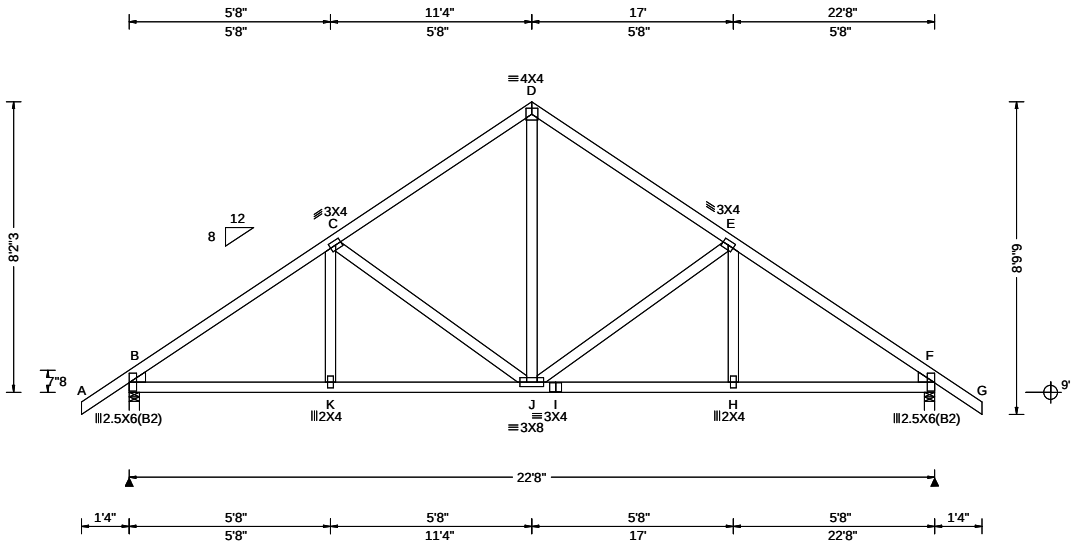
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 34758 COMN<br>FROM: | Ply: 1<br>Qty: 7 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** C02 | Cust: R 215 JRef:1Y0W2150008 T10<br>DrwNo: 176.24.1000.54683<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): 0.084 | J | 999 | 180 |
| HORZ(LL): 0.022 | F | - | - |
| HORZ(TL): 0.045 | F | - | - |

Creep Factor: 2.0
Max TC CSI: 0.359
Max BC CSI: 0.401
Max Web CSI: 0.352

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 1044 | /- | /- | /642 | /176 | /262 |
| F | 1044 | /- | /- | /642 | /176 | /- |

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

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 253 | -1319 | D - E | 266 | -949 |
| C - D | 265 | -949 | E - F | 252 | -1318 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - K | 1014 | -94 | I - H | 1013 | -91 |
| K - J | 1013 | -95 | H - F | 1014 | -90 |
| J - I | 1013 | -91 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| C - J | 167 | -379 | J - E | 166 | -379 |
| D - J | 583 | -137 | | | |

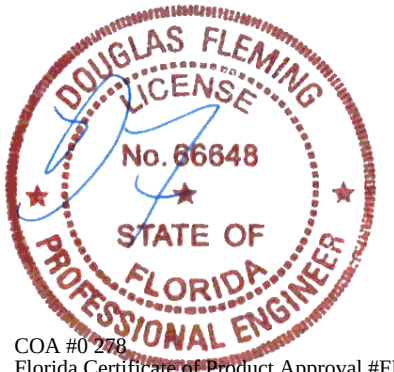
**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3;Rt Wedge: 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
Florida Certificate of Product Approval #FL1999
06/24/2024

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

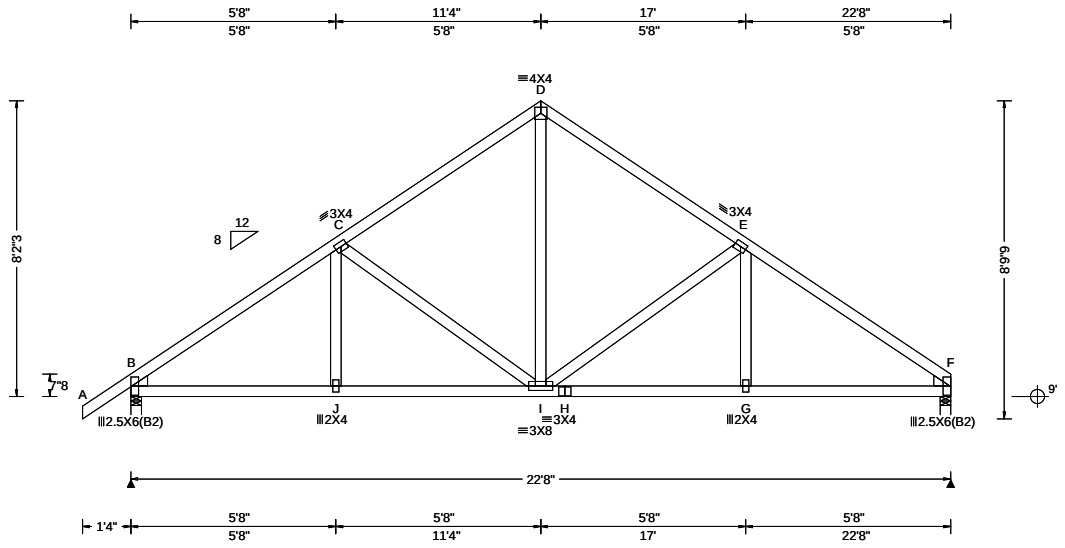
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 101321 SPEC<br>FROM: | Ply: 1<br>Qty: 3 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** C03 | | Cust: R 215 JRef:1Y0W2150008 T18<br>DrwNo: 176.24.1000.56980<br>NW / DF 06/24/2024 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): 0.046 | I | 999 | 240 |
| VERT(CL): 0.095 | I | 999 | 180 |
| HORZ(LL): 0.025 | F | - | - |
| HORZ(TL): 0.051 | F | - | - |

Creep Factor: 2.0
Max TC CSI: 0.459
Max BC CSI: 0.480
Max Web CSI: 0.363

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 1047 | /- | /- | /642 | /177 | /243 |
| F | 950 | /- | /- | /557 | /149 | /- |

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

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 250 | - 1332 | D - E | 274 | - 954 |
| C - D | 267 | - 953 | E - F | 264 | - 1341 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - J | 1017 | - 128 | H - G | 1027 | - 133 |
| J - I | 1016 | - 128 | G - F | 1028 | - 132 |
| I - H | 1027 | - 133 | | | |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| C - I | 165 | - 378 | I - E | 172 | - 392 |
| D - I | 589 | - 145 | | | |

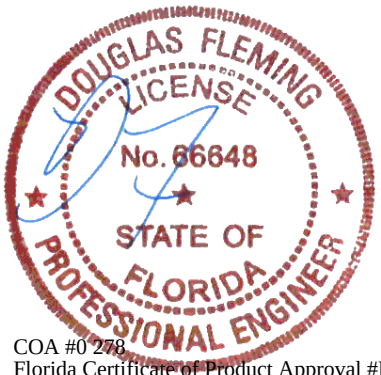
**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3;Rt Wedge: 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
Florida Certificate of Product Approval #FL1999
06/24/2024

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

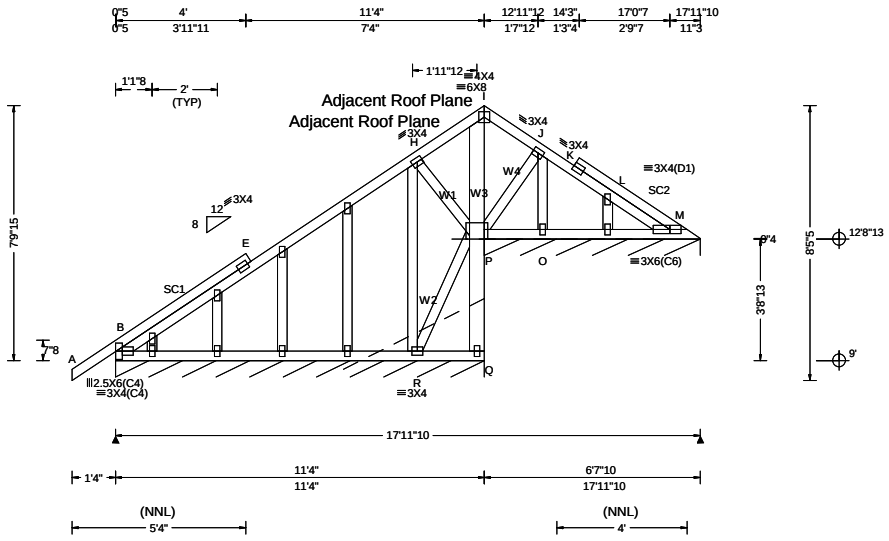
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org


ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 33498 / GABL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** C04 | Cust: R 215 JRef:1Y0W2150008 T16 /<br>DrwNo: 173.24.1518.48271<br>NW / FV 06/21/2024 |




| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.002 K 999 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.004 K 999 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): -0.003 E - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.003 K - - |
| NCBCLL: 10.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.093 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.020 |
| Spacing: 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes | Max Web CSI: 0.254 |
| | C&C Dist a: 3.00 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: not in 9.00 ft | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | Wind Duration: 1.60 | | |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B* | 82 | /- | /- | /45 | /8 | /19 |
| P* | 102 | /- | /- | /66 | /20 | /- |

Wind reactions based on MWFRS
B Brg Wid = 135 Min Req = -
P Brg Wid = 79.6 Min Req = -
Bearings B & P are a rigid surface.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP M-31; W1,W2,W4 2x4 SP #3;
W3 2x6 SP 2400f-2.0E;
Stack Chord: SC1 2x4 SP M-31;
Stack Chord: SC2 2x4 SP M-31;

**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.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/341.

**Additional Notes**

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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

Bottom chord to be laterally braced for out of plane wind loads

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

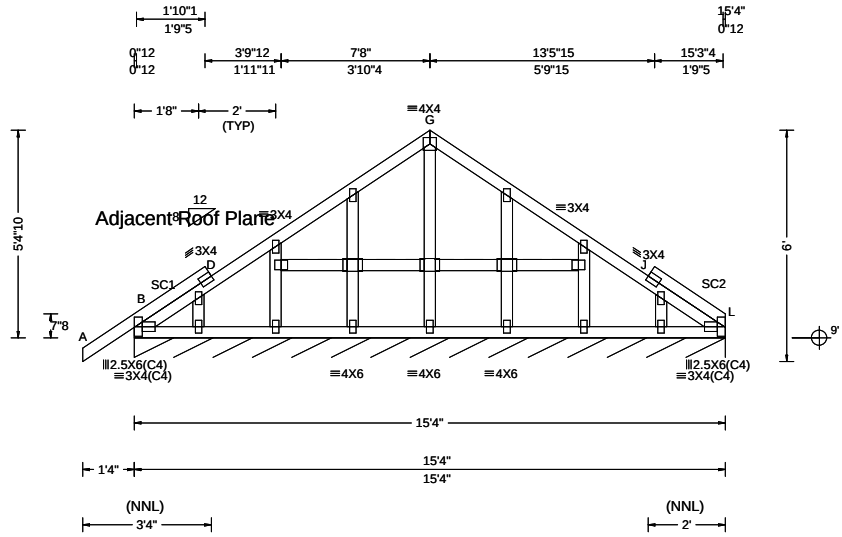
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 32948 / GABL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** D01 | Cust: R 215 JRef:1Y0W2150008 T33<br>DrwNo: 173.24.1518.48302<br>NW / FV 06/21/2024 |




| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.001 J 999 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.002 J 999 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): -0.002 D - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.002 D - - |
| NCBCLL: 10.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.157 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.054 |
| Spacing: 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes | Max Web CSI: 0.487 |
| | C&C Dist a: 3.00 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: Any | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | Wind Duration: 1.60 | | |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| L* | 90 | /- | /- | /50 | /14 | /11 |

Wind reactions based on MWFRS
L Brg Wid = 184 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;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

**Plating Notes**

All plates are 2X4 except as noted.

**Wind**

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

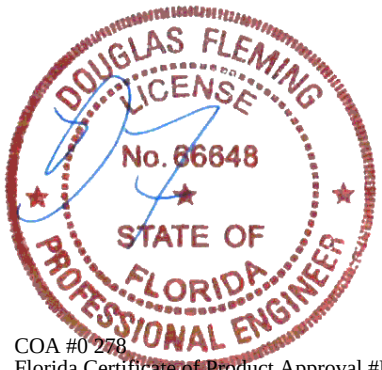
Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

**Additional Notes**

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

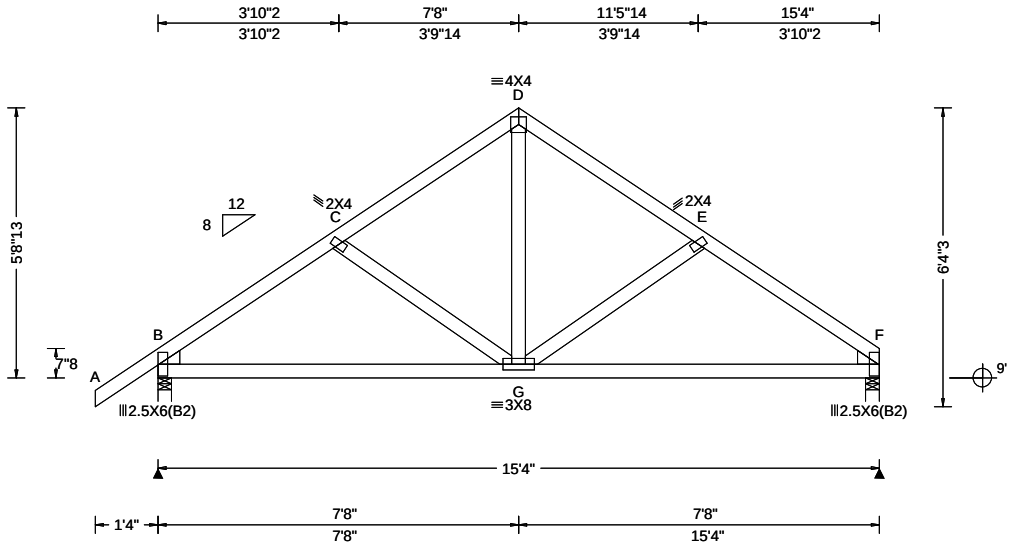
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26120 COMN<br>FROM: | Ply: 1<br>Qty: 3 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** D02 | Cust: R 215 JRef:1Y0W2150008 T44<br>DrwNo: 176.24.1001.00080<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): | 0.021 G | 999 | 240 |
| VERT(CL): | 0.043 G | 999 | 180 |
| HORZ(LL): | 0.010 F | - | - |
| HORZ(TL): | 0.022 F | - | - |

Creep Factor: 2.0
Max TC CSI: 0.281
Max BC CSI: 0.541
Max Web CSI: 0.162

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 740 | /- | /- | /462 | /128 | /175 |
| F | 640 | /- | /- | /376 | /99 | /- |

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

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 382 | - 843 | D - E | 331 | - 645 |
| C - D | 328 | - 643 | E - F | 392 | - 850 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - G | 634 | - 226 | G - F | 647 | - 243 |

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

| Webs | Tens. | Comp. |
|---|---|---|
| D - G | 426 | - 181 |

**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3;Rt Wedge: 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
Florida Certificate of Product Approval #FL1999
06/24/2024

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

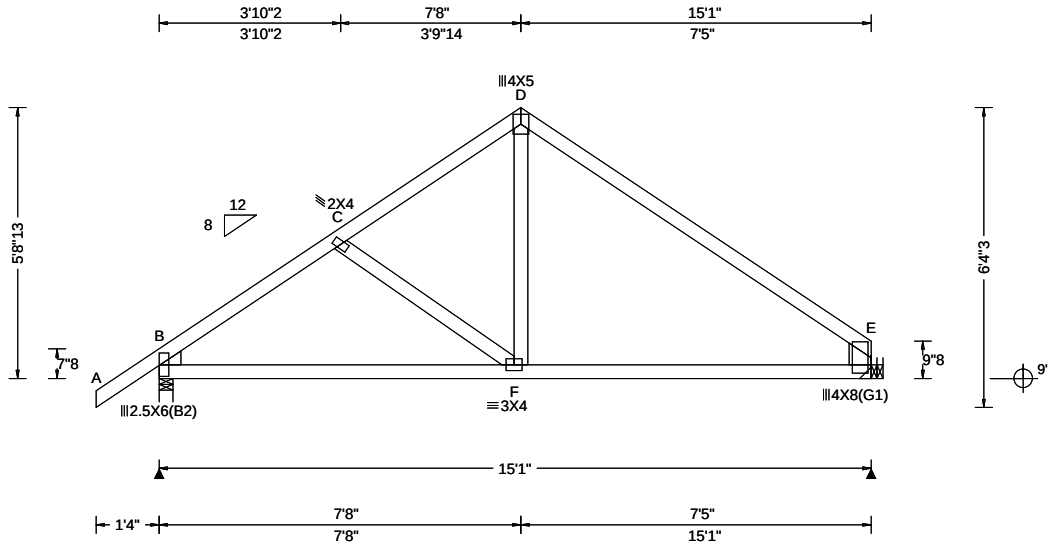
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26430 COMN<br>FROM: | Ply: 1<br>Qty: 14 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** D03 | Cust: R 215 JRef:1Y0W2150008 T47<br>DrwNo: 176.24.1001.01473<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): 0.016 | C | 999 | 240 |
| VERT(CL): 0.030 | C | 999 | 180 |
| HORZ(LL): 0.011 | E | - | - |
| HORZ(TL): 0.019 | E | - | - |

Creep Factor: 2.0
Max TC CSI: 0.635
Max BC CSI: 0.528
Max Web CSI: 0.139

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 766 | /- | /- | /457 | /126 | /173 |
| E | 683 | /- | /- | /367 | /98 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
E Brg Wid = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 221 | - 889 | D - E | 192 | - 794 |
| C - D | 210 | - 712 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - F | 664 | - 124 | F - E | 552 | - 34 |

**Lumber**

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

**Hangers / Ties**

(J) Hanger Support Required, by others

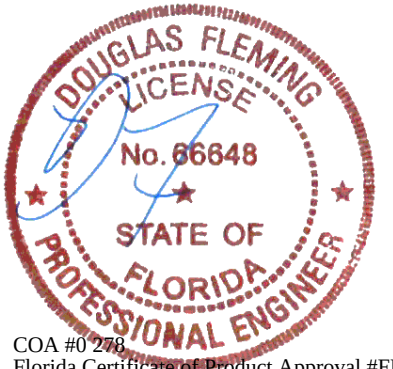
**Loading**

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

**Wind**

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

Wind loading based on both gable and hip roof types.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

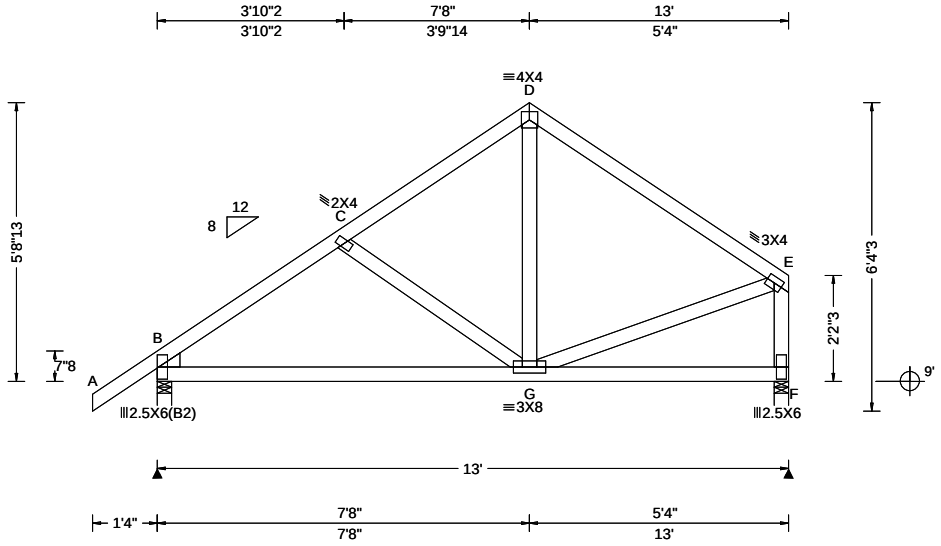
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26432 COMN<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** D04 | Cust: R 215 JRef:1Y0W2150008 T7<br>DrwNo: 176.24.1001.02673<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): 0.011 | C | 999 | 240 |
| VERT(CL): 0.023 | C | 999 | 180 |
| HORZ(LL): 0.003 | F | - | - |
| HORZ(TL): 0.007 | F | - | - |

Creep Factor: 2.0
Max TC CSI: 0.388
Max BC CSI: 0.471
Max Web CSI: 0.149

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 643 | /- | /- | /412 | /12 | /206 |
| F | 542 | /- | /- | /295 | /1 | /- |

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

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 229 | -677 | D - E | 180 | -507 |
| C - D | 200 | -480 | | | |

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

| Chords | Tens. | Comp. |
|---|---|---|
| B - G | 499 | -238 |

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

| Webs | Tens. | Comp. |
|---|---|---|
| E - F | 195 | -502 |

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

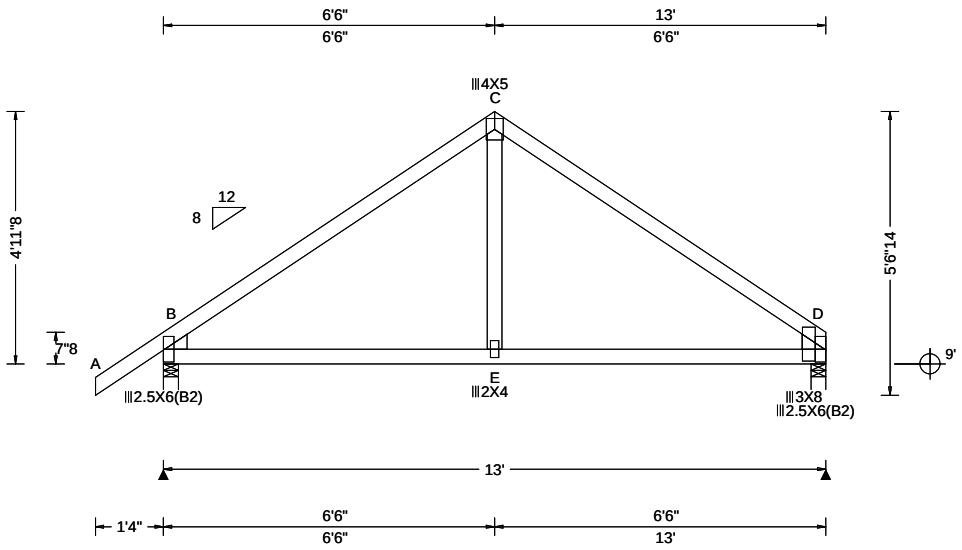
**Wind**
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.


COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

****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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26428 COMN<br>FROM: | Ply: 1<br>Qty: 4 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** D05 | Cust: R 215 JRef:1Y0W2150008 T57<br>DrwNo: 176.24.1001.04190<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): 0.009 | D | 999 | 240 |
| VERT(CL): 0.019 | D | 999 | 180 |
| HORZ(LL): -0.009 | D | - | - |
| HORZ(TL): 0.015 | D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.436
Max BC CSI: 0.398
Max Web CSI: 0.109

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 643 | /- | /- | /405 | /112 | /153 |
| D | 542 | /- | /- | /318 | /83 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
D Brg Wid = 3.5 Min Req = 1.5 (Truss)
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 | 205 | -639 | C - D | 213 | -637 |

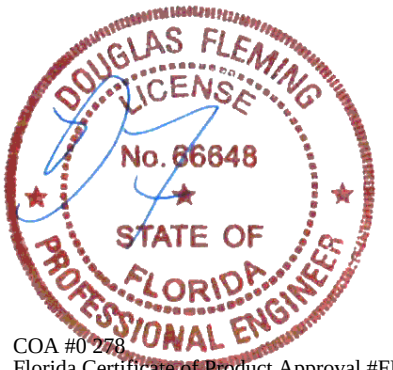
**Maximum Bot Chord Forces Per Ply (lbs)**

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - E | 447 | -58 | E - D | 447 | -58 |

**Lumber**
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3;Rt Wedge: 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
Florida Certificate of Product Approval #FL1999
06/24/2024

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

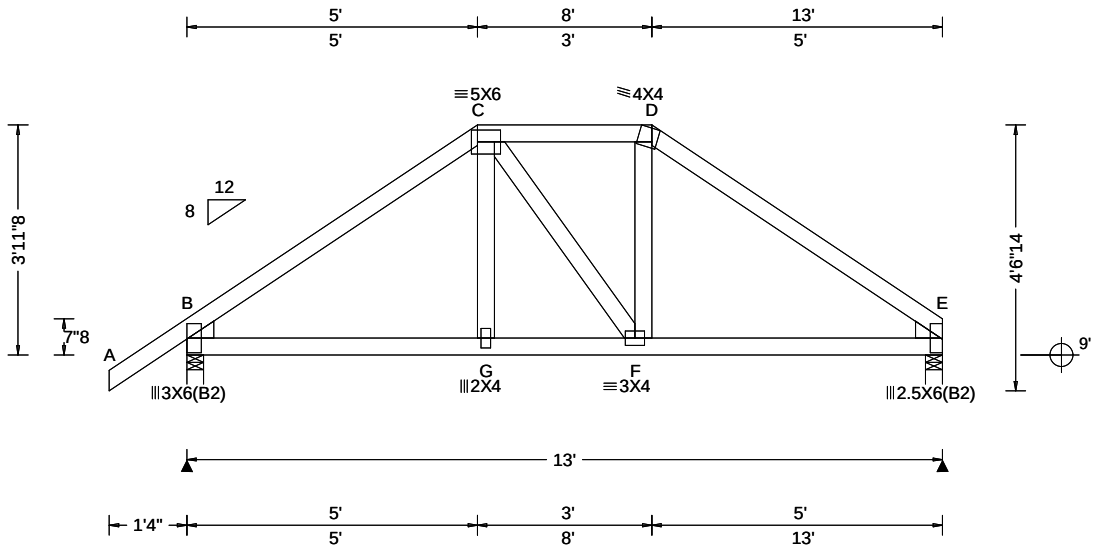
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 26466 HIPS<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** D06 | | Cust: R 215 JRef:1Y0W2150008 T30<br>DrwNo: 176.24.1001.35000<br>NW / DF 06/24/2024 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): 0.040 | G | 999 | 240 |
| VERT(CL): 0.082 | G | 999 | 180 |
| HORZ(LL): 0.025 | E | - | - |
| HORZ(TL): 0.050 | E | - | - |

Creep Factor: 2.0
Max TC CSI: 0.607
Max BC CSI: 0.802
Max Web CSI: 0.093

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 1239 | /- | /- | /- | /269 | /- |
| E | 1137 | /- | /- | /- | /235 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
E Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings B & E 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 | 369 | -1640 | D - E | 372 | -1644 |
| C - D | 272 | -1297 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - G | 1269 | -275 | F - E | 1278 | -279 |
| G - F | 1278 | -271 | | | |

**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

**Special Loads**

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

| | | | | | |
|---|---|---|---|---|---|
| TC: From | 64 plf at | -1.33 to | 64 plf at | 5.00 |
| TC: From | 32 plf at | 5.00 to | 32 plf at | 8.00 |
| TC: From | 64 plf at | 8.00 to | 64 plf at | 13.00 |
| BC: From | 5 plf at | -1.33 to | 5 plf at | 0.00 |
| BC: From | 20 plf at | 0.00 to | 20 plf at | 5.03 |
| BC: From | 10 plf at | 5.03 to | 10 plf at | 7.97 |
| BC: From | 20 plf at | 7.97 to | 20 plf at | 13.00 |

TC: 362 lb Conc. Load at 5.03, 7.97
TC: 138 lb Conc. Load at 6.50
BC: 181 lb Conc. Load at 5.03, 7.97
BC: 94 lb Conc. Load at 6.50

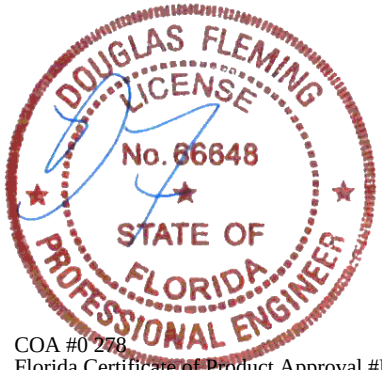
**Purlins**

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

**Wind**

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

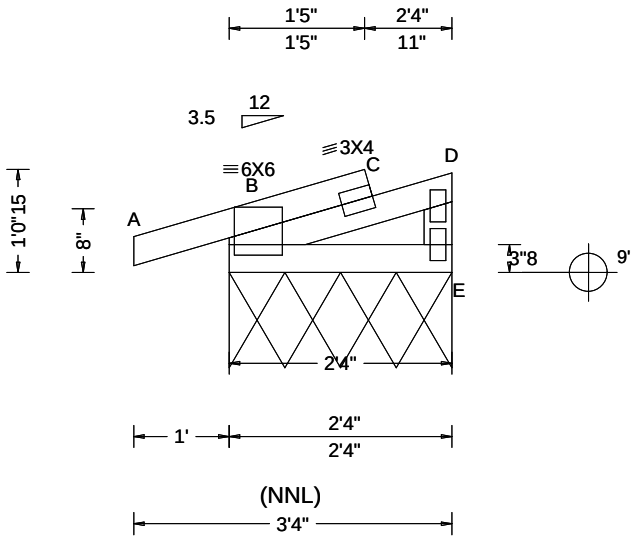
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org


ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 33367 / GABL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** E01 | Cust: R 215 JRef:1Y0W2150008 T61<br>DrwNo: 173.24.1518.48224<br>NW / FV 06/21/2024 |




| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-22<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 8th Ed. 2023 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.001 C 999 240<br>VERT(CL): 0.001 C 999 180<br>HORZ(LL): 0.000 C - -<br>HORZ(TL): 0.001 C - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.109<br>Max BC CSI: 0.040<br>Max Web CSI: 0.020<br><br>VIEW Ver: 23.02.01A.1204.18 |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| E* | 109 | /- | /- | /56 | /21 | /13 |

Wind reactions based on MWFRS
E Brg Wid = 28.0 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**

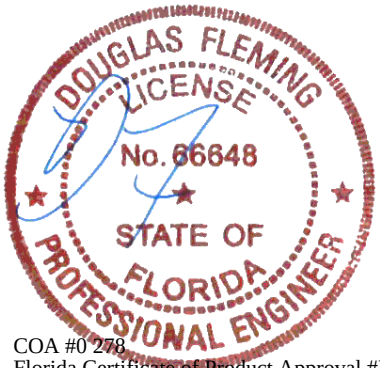
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

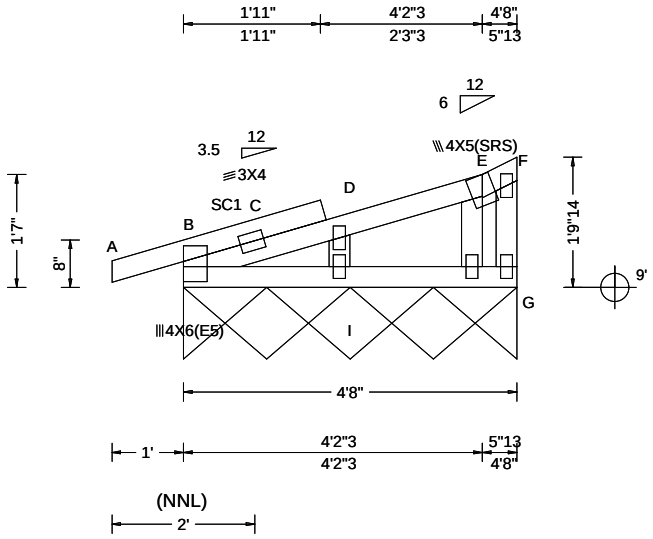
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 33373 / GABL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** E03 | Cust: R 215 JRef:1Y0W2150008 T53 /<br>DrwNo: 173.24.1518.48162<br>NW / FV 06/21/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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 C | 999 | 240 |
| VERT(CL): | 0.002 C | 999 | 180 |
| HORZ(LL): | -0.000 E | - | - |
| HORZ(TL): | 0.001 E | - | - |

Creep Factor: 2.0
Max TC CSI: 0.068
Max BC CSI: 0.037
Max Web CSI: 0.043

VIEW Ver: 23.02.01A.1204.18

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| G* | 95 | /- | /- | /53 | /10 | /10 |

Wind reactions based on MWFRS
G Brg Wid = 56.0 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;
Stack Chord: SC1 2x4 SP #2;

**Plating Notes**

All plates are 2X4 except as noted.

**Wind**

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

End verticals not exposed to wind pressure.

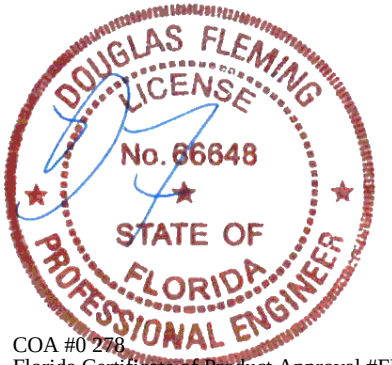
Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

**Additional Notes**

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

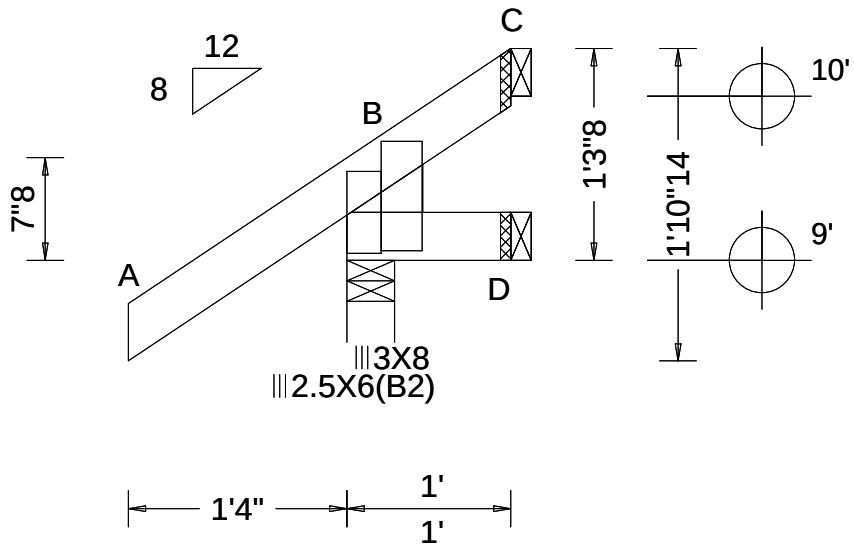
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26098 JACK<br>FROM: | Ply: 1<br>Qty: 4 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J01 | Cust: R 215 JRef:1Y0W2150008 T32<br>DrwNo: 176.24.1001.39987<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): | NA | | |
| VERT(CL): | NA | | |
| HORZ(LL): | -0.000 B | - | - |
| HORZ(TL): | 0.001 B | - | - |

Creep Factor: 2.0
Max TC CSI: 0.213
Max BC CSI: 0.024
Max Web CSI: 0.000

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 195 | /- | /- | /160 | /41 | /50 |
| D | 8 | /-11 | /- | /14 | /12 | /- |
| C | - | /-8 | /- | /17 | /19 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Wedge: 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.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.


COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

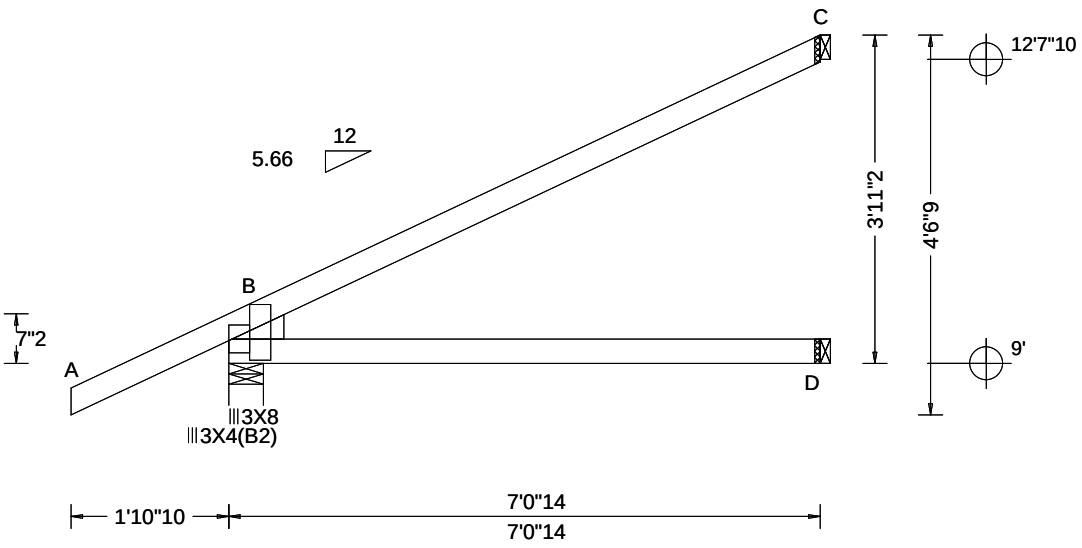
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26102 HIP_<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J01HJ | Cust: R 215 JRef:1Y0W2150008 T50<br>DrwNo: 176.24.1001.43977<br>NW / DF 06/24/2024 |




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

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): NA
VERT(CL): NA
HORZ(LL): 0.017 B - -
HORZ(TL): 0.035 B - -
Creep Factor: 2.0
Max TC CSI: 0.775
Max BC CSI: 0.383
Max Web CSI: 0.000

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 284 | /- | /- | /- | /59 | /- |
| D | 87 | /- | /- | /29 | /- | /- |
| C | 224 | /- | /- | /- | /77 | /- |

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

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

**Loading**
Hipjack supports 5-0-0 setback jacks with no webs.

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

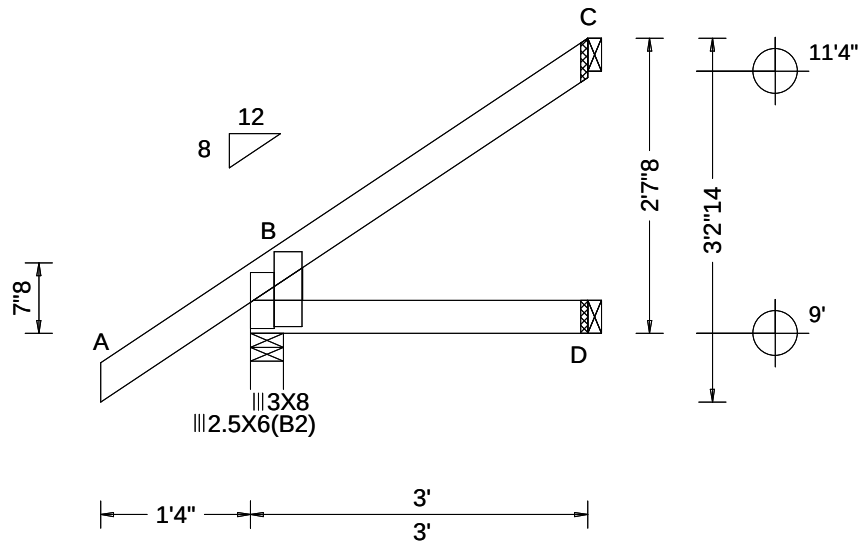
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.


COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

****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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26096 JACK<br>FROM: | Ply: 1<br>Qty: 4 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J02 | Cust: R 215 JRef:1Y0W2150008 T28<br>DrwNo: 176.24.1001.47700<br>NW / DF 06/24/2024 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 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 B - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.003 B - - |
| NCBCLL: 10.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.213 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.076 |
| Spacing: 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes | Max Web CSI: 0.000 |
| | C&C Dist a: 3.00 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: Any | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | Wind Duration: 1.60 | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 238 | /- | /- | /176 | /21 | /97 |
| D | 54 | /- | /- | /33 | /- | /- |
| C | 75 | /- | /- | /55 | /47 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

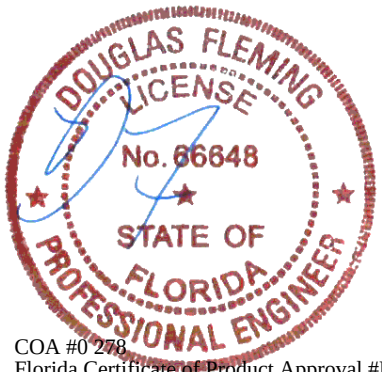
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Wedge: 2x4 SP #3;

**Wind**

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

Wind loading based on both gable and hip roof types.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

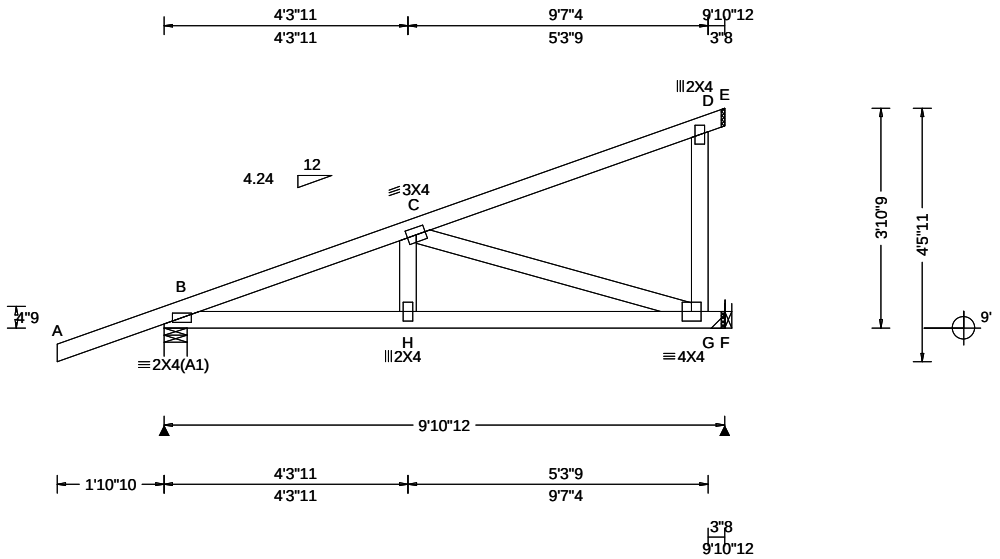
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26360 HIP_<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J02HJ | Cust: R 215 JRef:1Y0W2150008 T1<br>DrwNo: 176.24.1001.51767<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

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

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): 0.030 | C | 999 | 240 |
| VERT(CL): 0.060 | C | 999 | 180 |
| HORZ(LL): 0.006 | G | - | - |
| HORZ(TL): 0.013 | G | - | - |

Creep Factor: 2.0
Max TC CSI: 0.711
Max BC CSI: 0.688
Max Web CSI: 0.431

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 439 | /- | /- | /- | /90 | /- |
| F | 625 | /- | /- | /- | /107 | /- |

Wind reactions based on MWFRS
B Brg Wid = 4.9 Min Req = 1.5 (Truss)
F Brg Wid = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

| Chords | Tens. | Comp. |
|---|---|---|
| B - C | 132 | -824 |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - H | 764 | -122 | H - G | 756 | -126 |

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

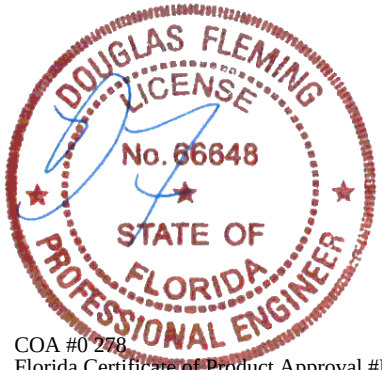
| Webs | Tens. | Comp. |
|---|---|---|
| C - G | 128 | -766 |

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

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

**Loading**
Hipjack supports 6-11-15 setback jacks with no webs.

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




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

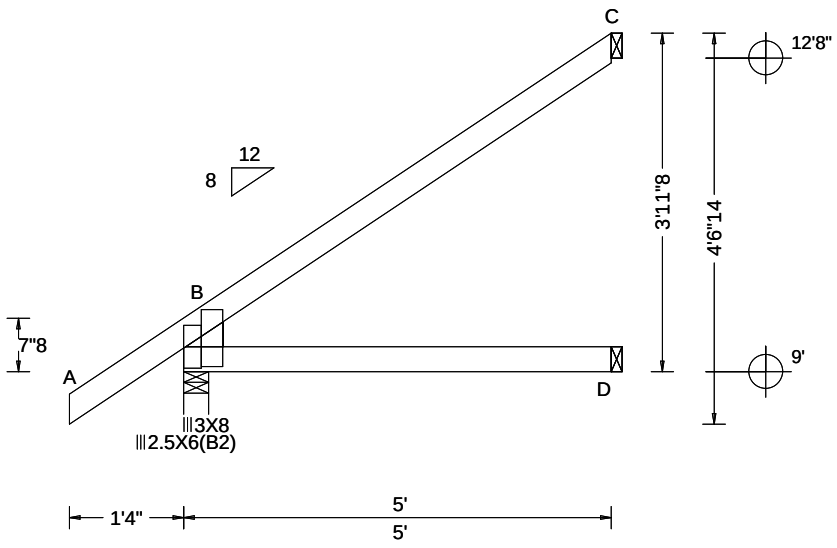
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 26100 EJAC<br>FROM: | Ply: 1<br>Qty: 3 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J03 | | Cust: R 215 JRef:1Y0W2150008 T36<br>DrwNo: 176.24.1001.54670<br>NW / DF 06/24/2024 | |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): NA |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): NA |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.009 B - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.017 B - - |
| NCBCLL: 10.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.446 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.259 |
| Spacing: 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes | Max Web CSI: 0.000 |
| | C&C Dist a: 3.00 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: not in 4.50 ft | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | Wind Duration: 1.60 | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 314 | /- | /- | /222 | /17 | /145 |
| D | 94 | /- | /- | /56 | /- | /- |
| C | 138 | /- | /- | /101 | /82 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

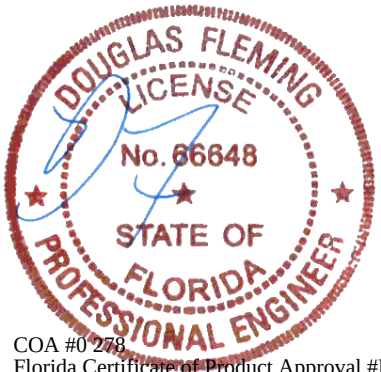
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Wedge: 2x4 SP #3;

**Wind**

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

Wind loading based on both gable and hip roof types.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

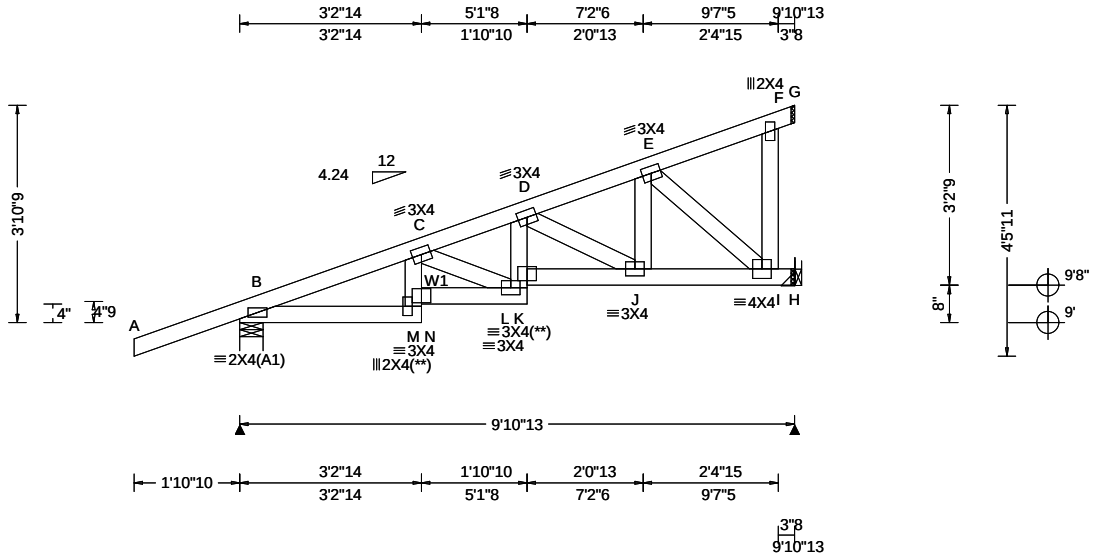
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org


ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26356 HIP_<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J03HJ | Cust: R 215 JRef:1Y0W2150008 T25<br>DrwNo: 176.24.1001.57687<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

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

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): 0.047 | L | 999 | 240 |
| VERT(CL): 0.095 | L | 999 | 180 |
| HORZ(LL): 0.022 | I | - | - |
| HORZ(TL): 0.044 | I | - | - |

Creep Factor: 2.0
Max TC CSI: 0.308
Max BC CSI: 0.483
Max Web CSI: 0.925

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 439 | /- | /- | /- | /90 | /- |
| H | 625 | /- | /- | /- | /107 | /- |

Wind reactions based on MWFRS
B Brg Wid = 4.9 Min Req = 1.5 (Truss)
H Brg Wid = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - C | 109 | - 671 | D - E | 113 | - 657 |
| C - D | 135 | - 787 | | | |

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| B - N | 604 | - 95 | K - J | 898 | - 155 |
| M - L | 822 | - 132 | J - I | 553 | - 97 |

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

| Webs | Tens. | Comp. | Webs | Tens. | Comp. |
|---|---|---|---|---|---|
| J - E | 380 | - 3 | E - I | 126 | - 720 |

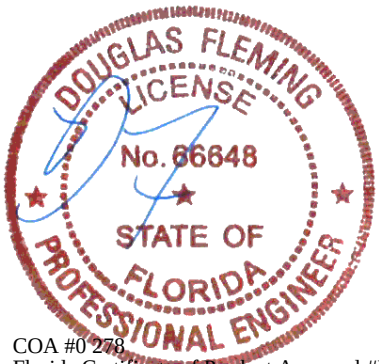
**Lumber**
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W1 2x4 SP #2;

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

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

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

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

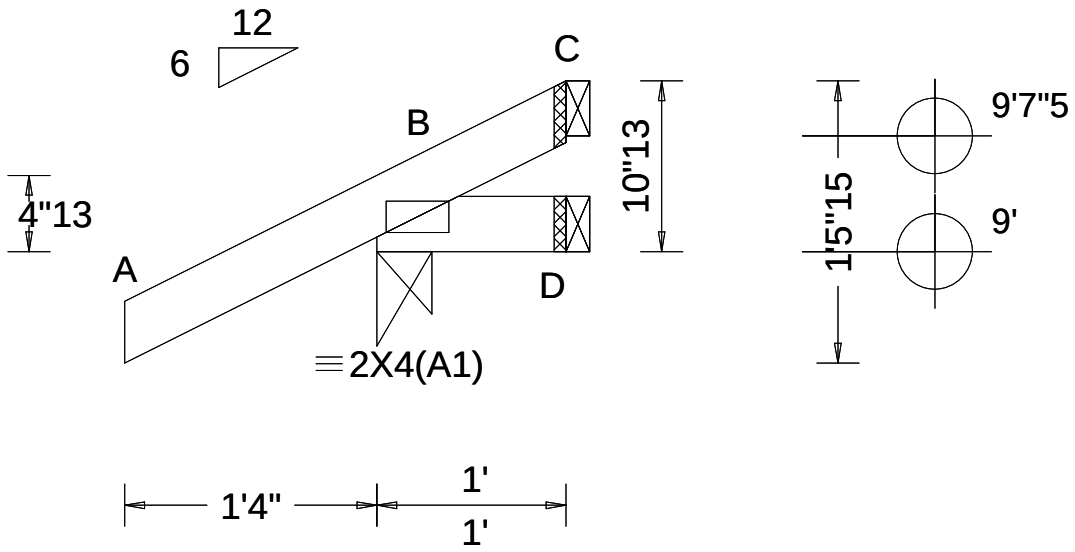



COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

****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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26149 JACK<br>FROM: | Ply: 1<br>Qty: 4 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J04 | Cust: R 215 JRef:1Y0W2150008 T24<br>DrwNo: 176.24.1002.00983<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): | NA | | |
| VERT(CL): | NA | | |
| HORZ(LL): | -0.000 B | - | - |
| HORZ(TL): | 0.001 B | - | - |

Creep Factor: 2.0
Max TC CSI: 0.186
Max BC CSI: 0.028
Max Web CSI: 0.000

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 222 | /- | /- | /174 | /56 | /36 |
| D | 8 | /-10 | /- | /12 | /10 | /- |
| C | - | /-41 | /- | /28 | /40 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

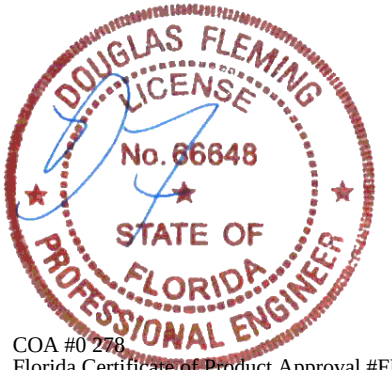
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

**Wind**

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

Wind loading based on both gable and hip roof types.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

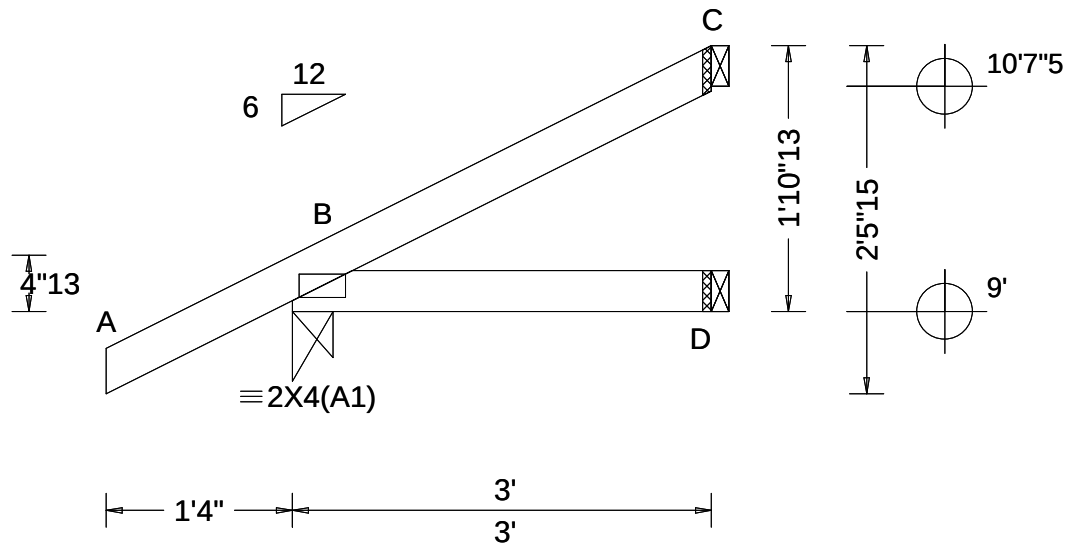
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26151 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J05 | Cust: R 215 JRef:1Y0W2150008 T23<br>DrwNo: 176.24.1002.04980<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): | NA | | |
| VERT(CL): | NA | | |
| HORZ(LL): | 0.001 B | - | - |
| HORZ(TL): | 0.001 B | - | - |

Creep Factor: 2.0
Max TC CSI: 0.195
Max BC CSI: 0.069
Max Web CSI: 0.000

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 244 | /- | /- | /175 | /36 | /71 |
| D | 51 | /- | /- | /27 | /- | /- |
| C | 66 | /- | /- | /39 | /37 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

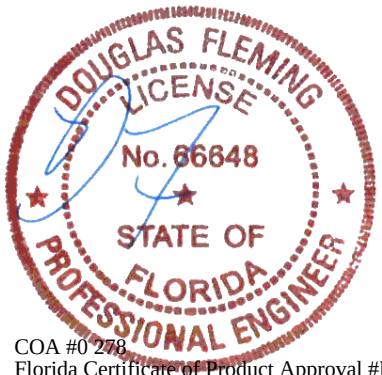
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

**Wind**

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

Wind loading based on both gable and hip roof types.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

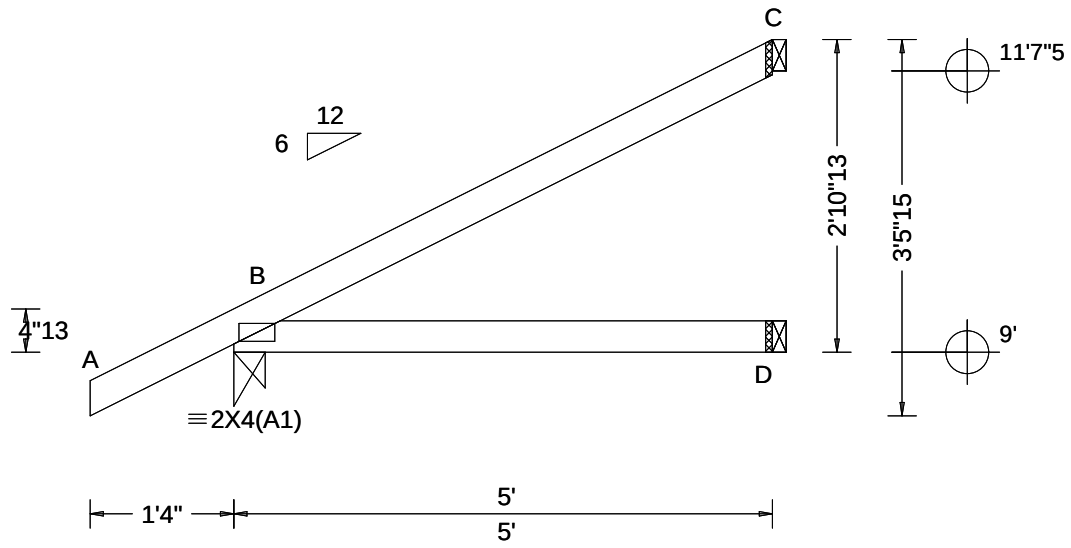
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26153 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J06 | Cust: R 215 JRef:1Y0W2150008 T21<br>DrwNo: 176.24.1002.07323<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): | NA | | |
| VERT(CL): | NA | | |
| HORZ(LL): | 0.004 B | - | - |
| HORZ(TL): | 0.008 B | - | - |

Creep Factor: 2.0
Max TC CSI: 0.336
Max BC CSI: 0.241
Max Web CSI: 0.000

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 316 | /- | /- | /218 | /39 | /107 |
| D | 91 | /- | /- | /49 | /- | /- |
| C | 130 | /- | /- | /81 | /67 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

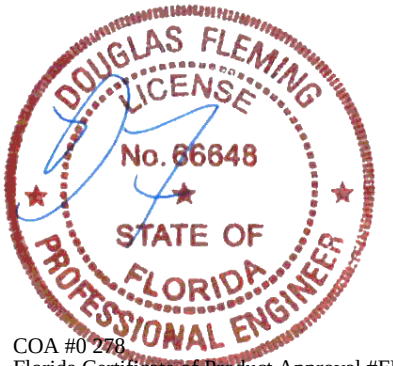
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

**Wind**

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

Wind loading based on both gable and hip roof types.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

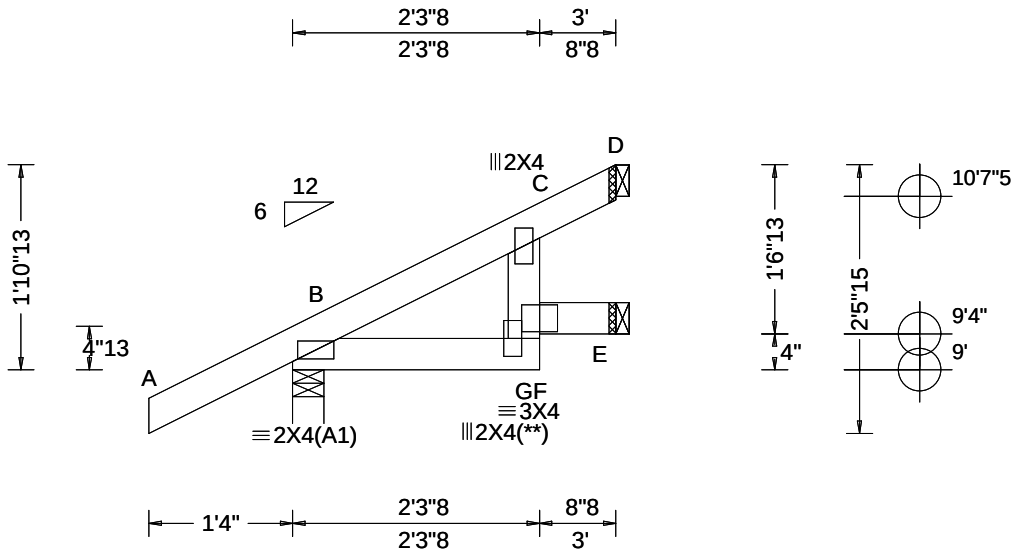
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 26165 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J07 | | Cust: R 215 JRef:1Y0W2150008 T17<br>DrwNo: 176.24.1002.09547<br>NW / DF 06/24/2024 | |




| **Loading Criteria** (psf) | | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|---|
| TCLL: | 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: | 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.003 F 999 240 |
| BCLL: | 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.007 F 999 180 |
| BCDL: | 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.002 C - - |
| Des Ld: | 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.003 C - - |
| NCBCLL: | 10.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: | 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.190 |
| Load Duration: | 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.038 |
| Spacing: | 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes | Max Web CSI: 0.032 |
| | | C&C Dist a: 3.00 ft ft | FT/RT:20(0)/10(0) | |
| | | Loc. from endwall: Any | Plate Type(s): | |
| | | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | | Wind Duration: 1.60 | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 244 | /- | /- | /175 | /36 | /71 |
| E | 21 | /- | /- | /13 | /- | /- |
| D | 76 | /- | /- | /51 | /28 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
E Brg Wid = 1.5 Min Req = -
D Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

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

**Plating Notes**

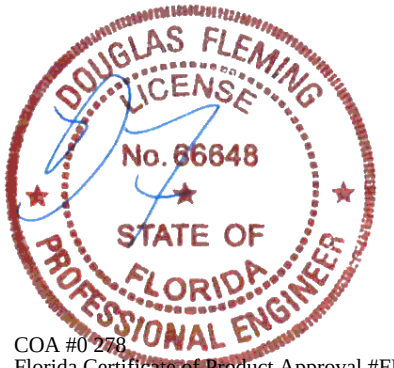
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

**Wind**

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

Wind loading based on both gable and hip roof types.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

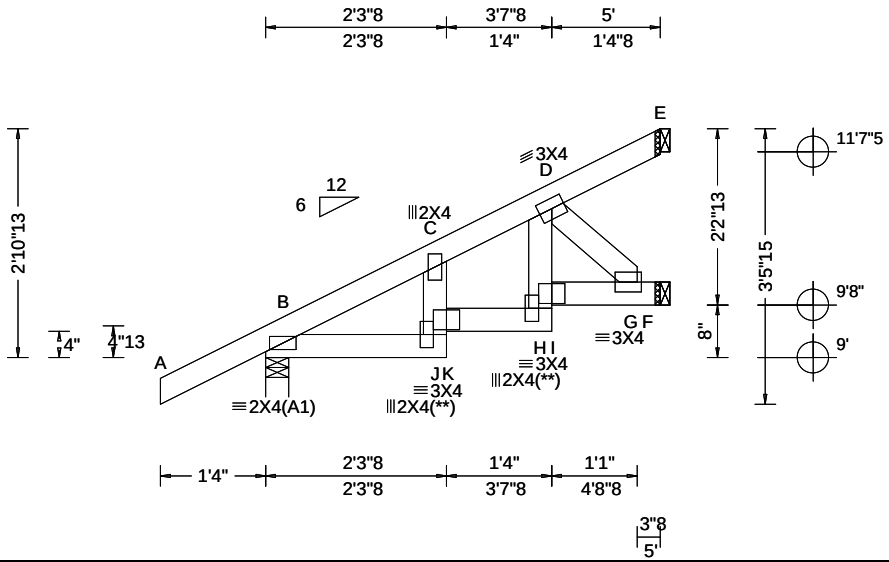
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org


ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 26161 JACK<br>FROM: | Ply: 1<br>Qty: 2 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J08 | | Cust: R 215 JRef:1Y0W2150008 T45<br>DrwNo: 176.24.1002.12543<br>NW / DF 06/24/2024 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): 0.012 | J | 999 | 240 |
| VERT(CL): 0.023 | J | 999 | 180 |
| HORZ(LL): 0.006 | C | - | - |
| HORZ(TL): 0.012 | C | - | - |

Creep Factor: 2.0
Max TC CSI: 0.160
Max BC CSI: 0.122
Max Web CSI: 0.172

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 316 | /- | /- | /218 | /39 | /107 |
| F | 162 | /- | /- | /117 | /40 | /- |
| E | 34 | /-5 | /- | /14 | /14 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
F Brg Wid = 1.5 Min Req = -
E Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

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

**Plating Notes**

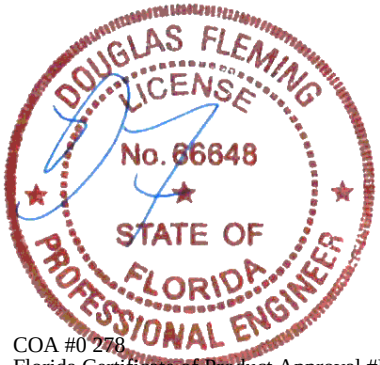
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

**Wind**

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

Wind loading based on both gable and hip roof types.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.

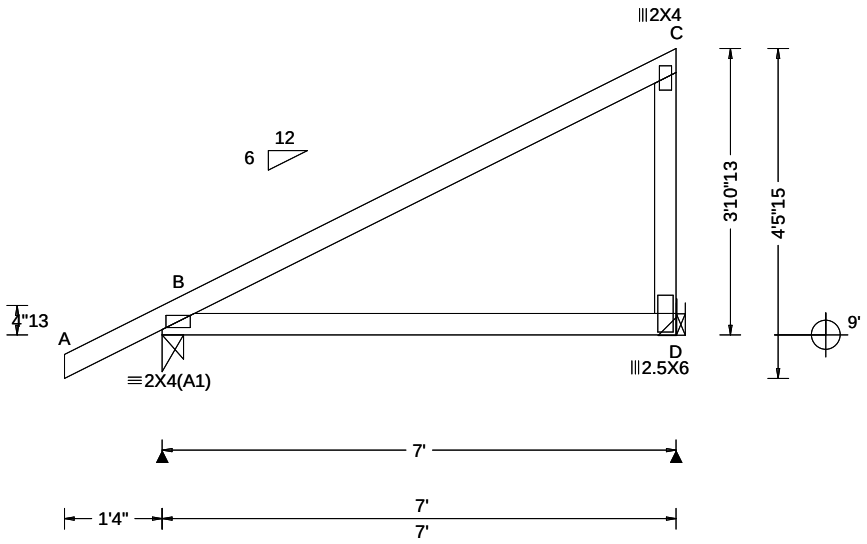



COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024



ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26334 / EJAC<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J09 | Cust: R 215 JRef:1Y0W2150008 T6<br>DrwNo: 173.24.1518.48427<br>NW / FV 06/21/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft 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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

**Defl/CSI Criteria**

| PP Deflection in | loc | L/defl | L/# |
|---|---|---|---|
| VERT(LL): | NA | | |
| VERT(CL): | NA | | |
| HORZ(LL): | 0.012 B | - | - |
| HORZ(TL): | 0.023 B | - | - |

Creep Factor: 2.0
Max TC CSI: 0.659
Max BC CSI: 0.472
Max Web CSI: 0.266

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

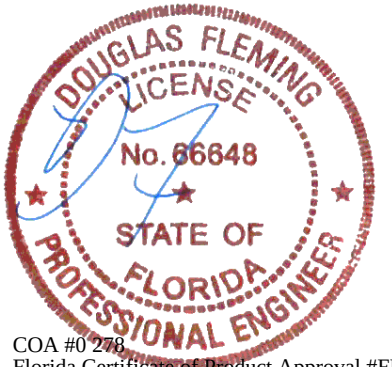
| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 394 | /- | /- | /267 | /43 | /142 |
| D | 272 | /- | /- | /193 | /78 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
D Brg Wid = - 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;

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

**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.

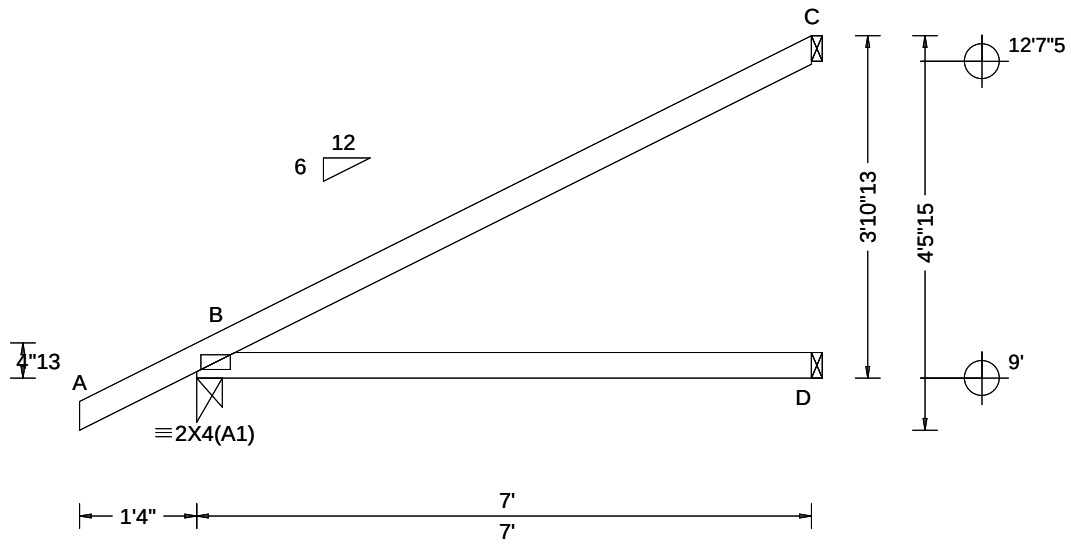



COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

****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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26336 / EJAC<br>FROM: | Ply: 1<br>Qty: 5 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J10 | Cust: R 215 JRef:1Y0W2150008 T83<br>DrwNo: 173.24.1518.48208<br>NW / FV 06/21/2024 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): NA |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): NA |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.013 B - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.026 B - - |
| NCBCLL: 10.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.735 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.520 |
| Spacing: 24.0 " | MWFRS Parallel Dist: h/2 to h | Rep Fac: Yes | Max Web CSI: 0.000 |
| | C&C Dist a: 3.00 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: not in 4.50 ft | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | Wind Duration: 1.60 | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 394 | /- | /- | /267 | /43 | /142 |
| D | 130 | /- | /- | /73 | /- | /- |
| C | 190 | /- | /- | /120 | /96 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

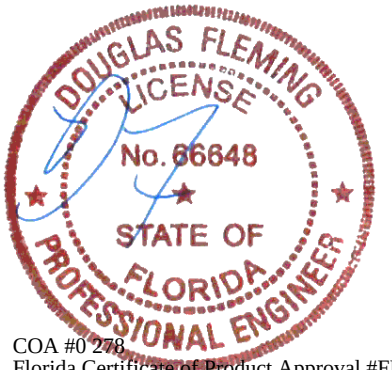
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

**Wind**

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

Wind loading based on both gable and hip roof types.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

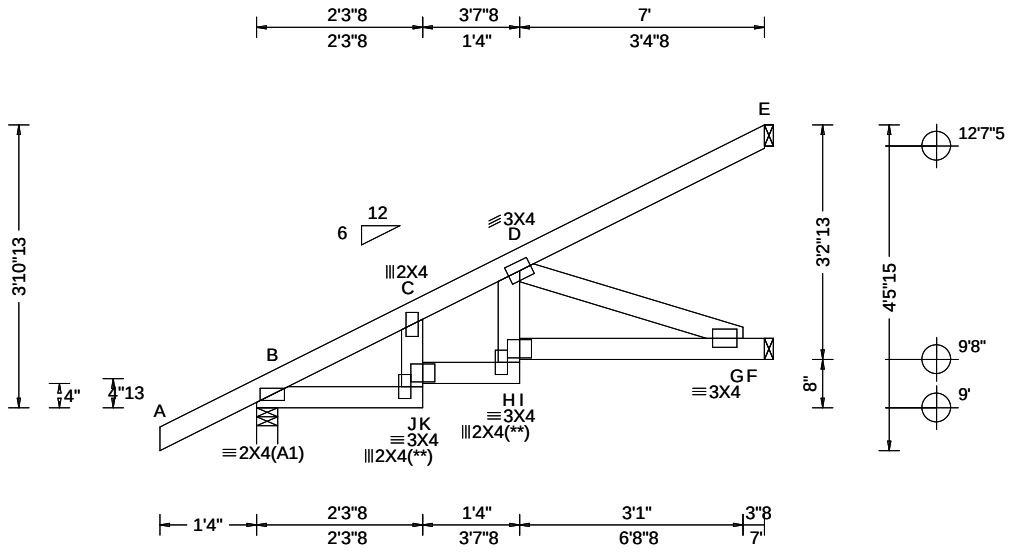
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 26338 EJAC<br>FROM: | Ply: 1<br>Qty: 3 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J11 | | Cust: R 215 JRef:1Y0W2150008 T22<br>DrwNo: 176.24.1002.16027<br>NW / DF 06/24/2024 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): 0.017 | J | 999 | 240 |
| VERT(CL): 0.032 | J | 999 | 180 |
| HORZ(LL): 0.010 | G | - | - |
| HORZ(TL): 0.020 | G | - | - |

Creep Factor: 2.0
Max TC CSI: 0.161
Max BC CSI: 0.246
Max Web CSI: 0.397

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 394 | /- | /- | /267 | /43 | /142 |
| F | 181 | /- | /- | /137 | /31 | /- |
| E | 94 | /- | /- | /57 | /47 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
F Brg Wid = 1.5 Min Req = -
E Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

| Chords | Tens. | Comp. |
|---|---|---|
| H - G | 412 | - 311 |

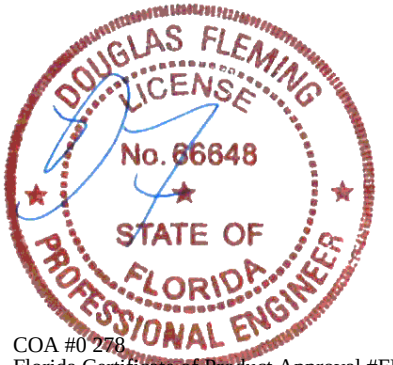
**Maximum Web Forces Per Ply (lbs)**

| Webs | Tens. | Comp. |
|---|---|---|
| D - G | 333 | - 440 |

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

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

**Wind**
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.

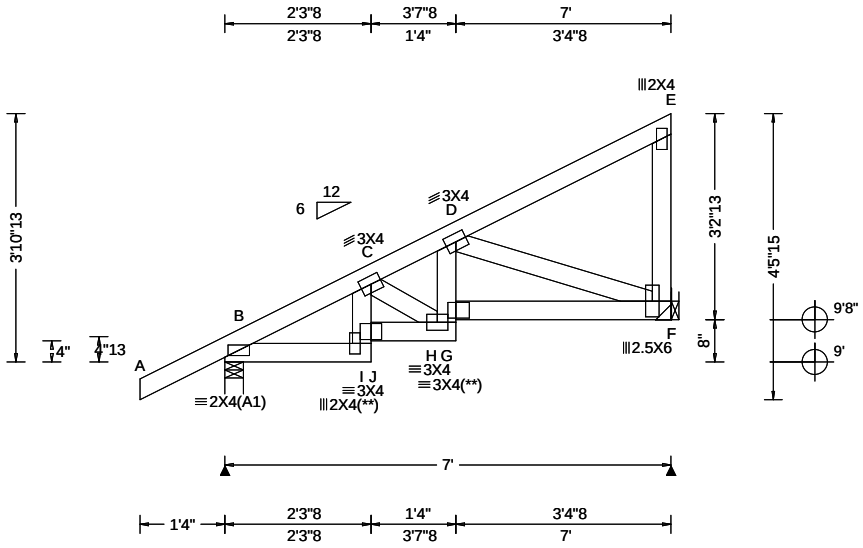



COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

****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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 26348 EJAC<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J12 | | Cust: R 215 JRef:1Y0W2150008 T56<br>DrwNo: 176.24.1002.18280<br>NW / DF 06/24/2024 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): 0.014 | H | 999 | 240 |
| VERT(CL): 0.029 | H | 999 | 180 |
| HORZ(LL): 0.010 | F | - | - |
| HORZ(TL): 0.019 | F | - | - |

Creep Factor: 2.0
Max TC CSI: 0.153
Max BC CSI: 0.202
Max Web CSI: 0.417

VIEW Ver: 23.02.01A.1204.18

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 394 | /- | /- | /267 | /43 | /142 |
| F | 272 | /- | /- | /193 | /78 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
F Brg Wid = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

| Chords | Tens. | Comp. |
|---|---|---|
| G - F | 398 | -309 |

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

| Webs | Tens. | Comp. |
|---|---|---|
| D - F | 324 | -417 |

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

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

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

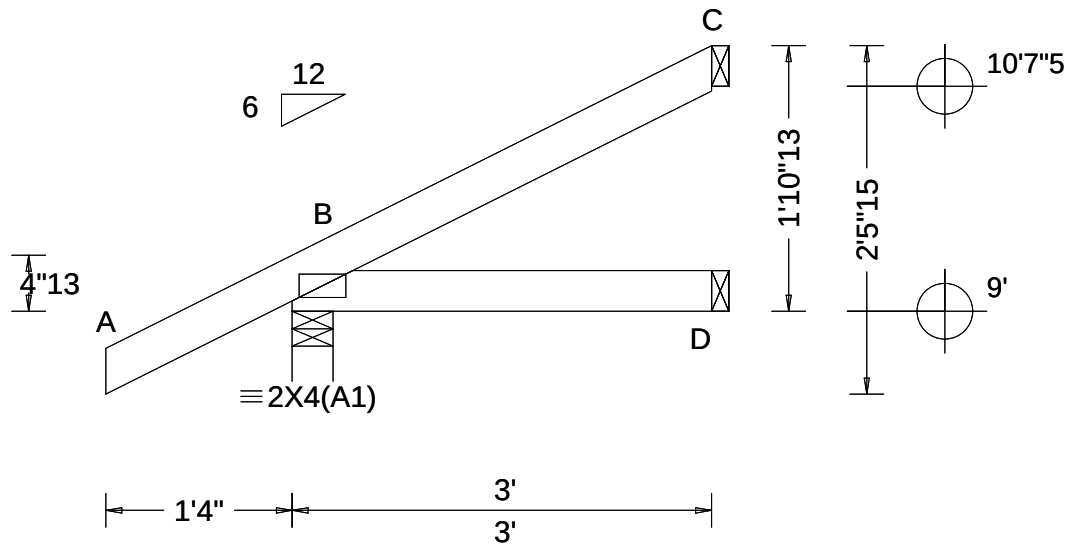
**Wind**
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.


COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024



ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26495 / EJAC<br>FROM: | Ply: 1<br>Qty: 18 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** J13 | Cust: R 215 JRef:1Y0W2150008 T4 /<br>DrwNo: 173.24.1518.48444<br>NW / FV 06/21/2024 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 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 B - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.001 B - - |
| NCBCLL: 10.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.195 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.068 |
| Spacing: 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes | Max Web CSI: 0.000 |
| | C&C Dist a: 3.00 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: Any | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | Wind Duration: 1.60 | | |

**▲Maximum Reactions (lbs)**

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| B | 244 | /- | /- | /175 | /37 | /71 |
| D | 51 | /- | /- | /27 | /- | /- |
| C | 66 | /- | /- | /39 | /37 | /- |

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

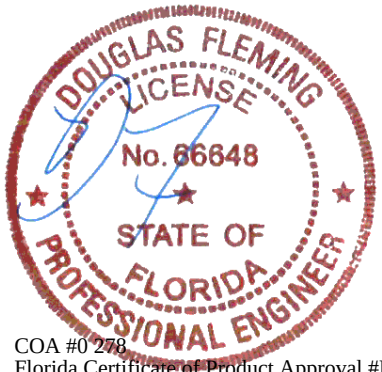
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

**Wind**

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

Wind loading based on both gable and hip roof types.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

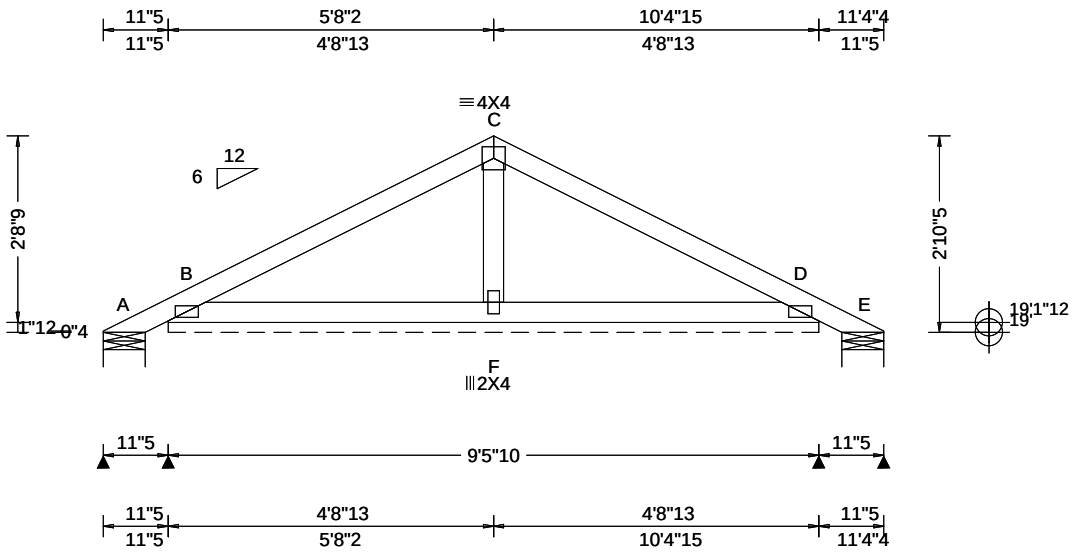
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26268 SPEC<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** PB01 | Cust: R 215 JRef:1Y0W2150008 T12<br>DrwNo: 176.24.0951.01433<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

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

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.30 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.06 ft ft
Loc. from endwall: not in 6.50 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 8th Ed. 2023 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): 0.003 | D | 999 | 240 |
| VERT(CL): 0.005 | D | 999 | 180 |
| HORZ(LL): -0.002 | D | - | - |
| HORZ(TL): 0.003 | D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.237
Max BC CSI: 0.104
Max Web CSI: 0.030

VIEW Ver: 23.02.01A.1204.18

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | - | /-91 | /- | /66 | /107 | /74 |
| B* | 95 | /- | /- | /63 | /33 | /- |
| E | - | /-91 | /- | /48 | /75 | /- |

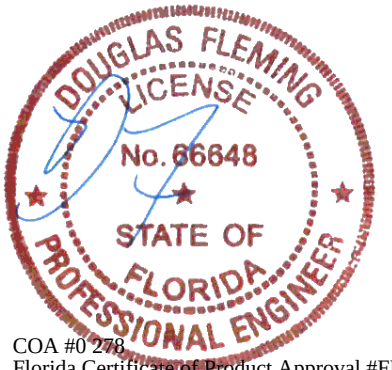
Wind reactions based on MWFRS
A Brg Wid = 7.3 Min Req = 1.5 (Truss)
B Brg Wid = 113 Min Req = -
E Brg Wid = 7.3 Min Req = 1.5 (Truss)
Bearings A, B, & E are a rigid surface.
Members not listed have forces less than 375#

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

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

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

**Additional Notes**
Refer to DWG PB160220723 for piggyback details.

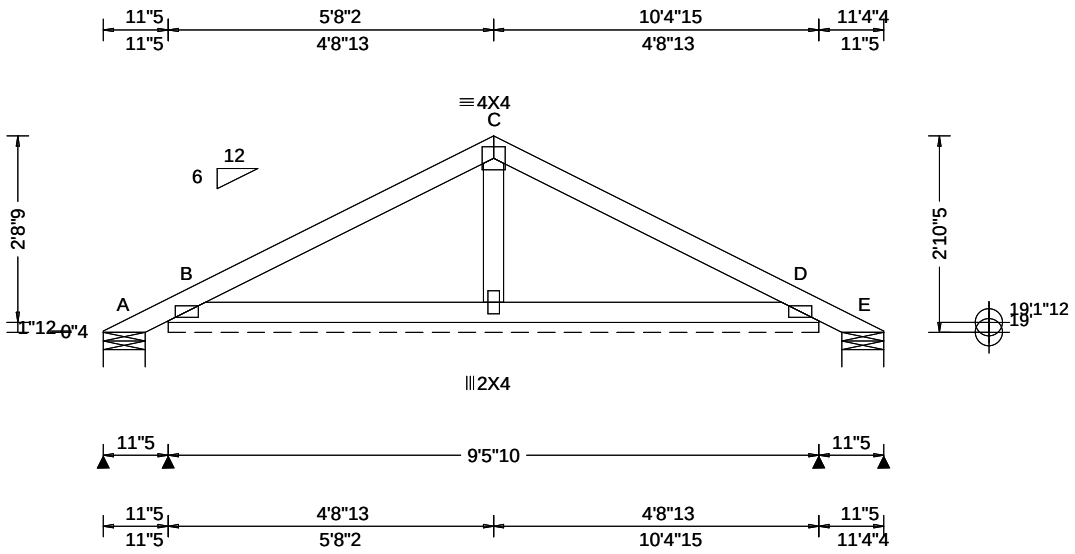



COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

****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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 34760 COMN<br>FROM: | Ply: 1<br>Qty: 12 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** PB02 | Cust: R 215 JRef:1Y0W2150008 T31<br>DrwNo: 176.24.0951.02617<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.30 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft ft
Loc. from endwall: not in 13.00 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 8th Ed. 2023 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): 0.003 | D | 999 | 240 |
| VERT(CL): 0.007 | D | 999 | 180 |
| HORZ(LL): -0.002 | D | - | - |
| HORZ(TL): 0.004 | D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.243
Max BC CSI: 0.178
Max Web CSI: 0.027

VIEW Ver: 23.02.01A.1204.18

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | - | /-101 | /- | /64 | /110 | /76 |
| B* | 116 | /- | /- | /65 | /6 | /- |
| E | - | /-101 | /- | /30 | /77 | /- |

Wind reactions based on MWFRS
A Brg Wid = 7.3 Min Req = 1.5 (Truss)
B Brg Wid = 113 Min Req = -
E Brg Wid = 7.3 Min Req = 1.5 (Truss)
Bearings A, B, & E 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;

**Plating Notes**

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

**Loading**

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

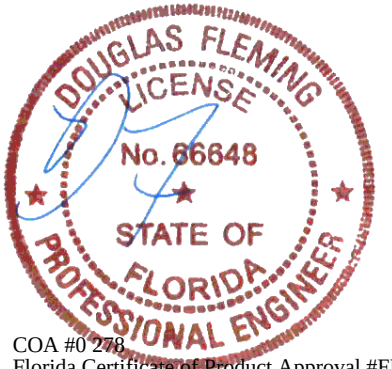
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to DWG PB160220723 for piggyback details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

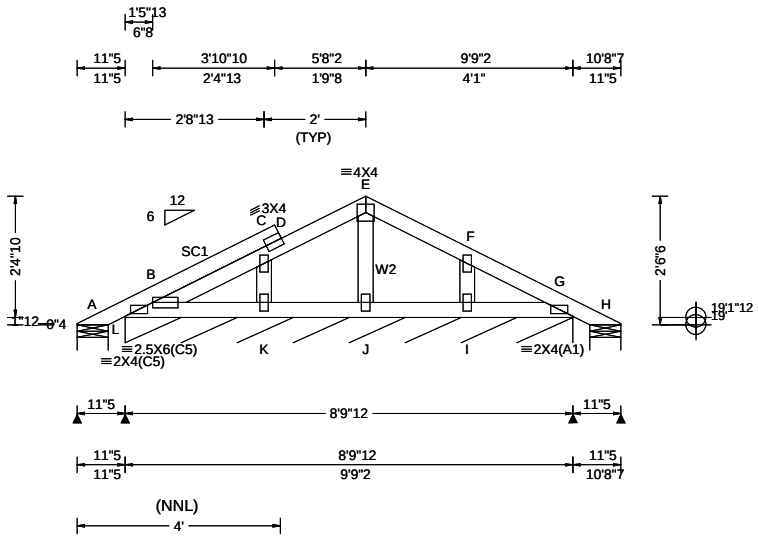
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 34707 GABL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** PB03 | Cust: R 215 JRef:1Y0W2150008 T5<br>DrwNo: 176.24.0951.04763<br>NW / DF 06/24/2024 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.001 D 999 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.003 D 999 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.000 D - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.001 D - - |
| NCBCLL: 10.00 | Mean Height: 20.28 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.043 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.013 |
| Spacing: 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes | Max Web CSI: 0.053 |
| | C&C Dist a: 3.00 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: not in 9.00 ft | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | Wind Duration: 1.60 | | |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | 12 | /-30 | /- | /34 | /35 | /67 |
| L* | 92 | /- | /- | /49 | /7 | /- |
| H | 14 | /- | /- | /7 | /5 | /- |

Wind reactions based on MWFRS
A Brg Wid = 7.3 Min Req = 1.5 (Truss)
L Brg Wid = 105 Min Req = -
H Brg Wid = 7.3 Min Req = 1.5 (Truss)
Bearings A, L, & H are a rigid surface.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W2 2x4 SP M-31;
Stack Chord: SC1 2x4 SP M-31;

**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.

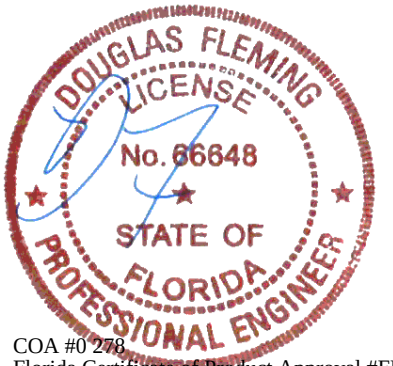
**Additional Notes**

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

**Additional Notes**

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

Refer to drawing PB160220723 for piggyback detail.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

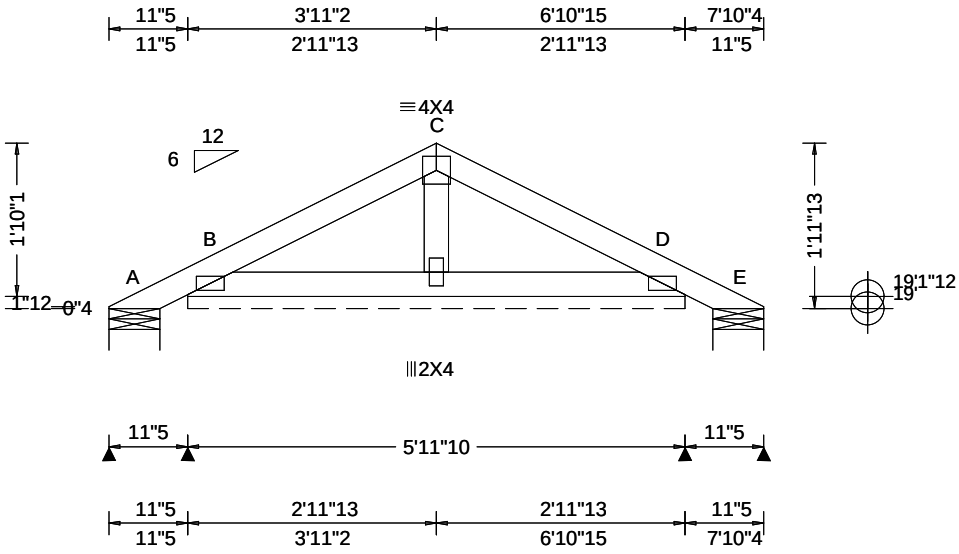
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org


ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26254 COMN<br>FROM: | Ply: 1<br>Qty: 3 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** PB04 | Cust: R 215 JRef:1Y0W2150008 T55<br>DrwNo: 176.24.0951.23930<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft ft
Loc. from endwall: not in 13.00 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 8th Ed. 2023 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): 0.002 | B | 999 | 180 |
| HORZ(LL): -0.001 | D | - | - |
| HORZ(TL): 0.001 | D | - | - |

Creep Factor: 2.0
Max TC CSI: 0.086
Max BC CSI: 0.074
Max Web CSI: 0.017

VIEW Ver: 23.02.01A.1204.18

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| A | - | /-8 | /- | /29 | /29 | /50 |
| B* | 105 | /- | /- | /59 | /3 | /- |
| E | - | /-8 | /- | /7 | /7 | /- |

Wind reactions based on MWFRS
A Brg Wid = 7.3 Min Req = 1.5 (Truss)
B Brg Wid = 71.6 Min Req = -
E Brg Wid = 7.3 Min Req = 1.5 (Truss)
Bearings A, B, & E 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;

**Plating Notes**

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

**Loading**

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

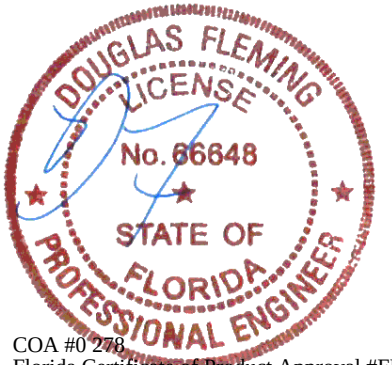
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

Refer to DWG PB160220723 for piggyback details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

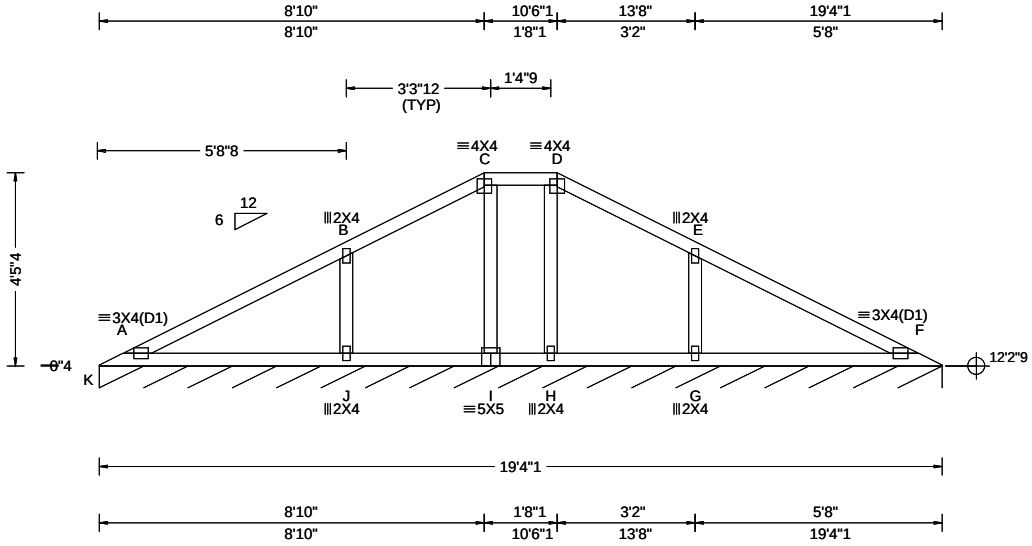
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 26204 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V01 | | Cust: R 215 JRef:1Y0W2150008 T60<br>DrwNo: 176.24.1002.20990<br>NW / DF 06/24/2024 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): 0.019 | F | 999 | 240 |
| VERT(CL): 0.039 | F | 999 | 180 |
| HORZ(LL): -0.007 | F | - | - |
| HORZ(TL): 0.014 | F | - | - |

Creep Factor: 2.0
Max TC CSI: 0.392
Max BC CSI: 0.246
Max Web CSI: 0.080

VIEW Ver: 23.02.01A.1204.18

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| K* | 82 | /- | /- | /42 | /1 | /5 |

Wind reactions based on MWFRS
K Brg Wid = 232 Min Req = -
Bearing K 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;

**Purlins**

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

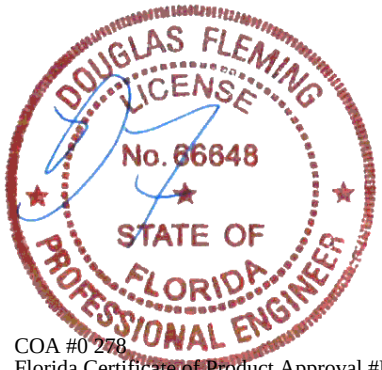
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

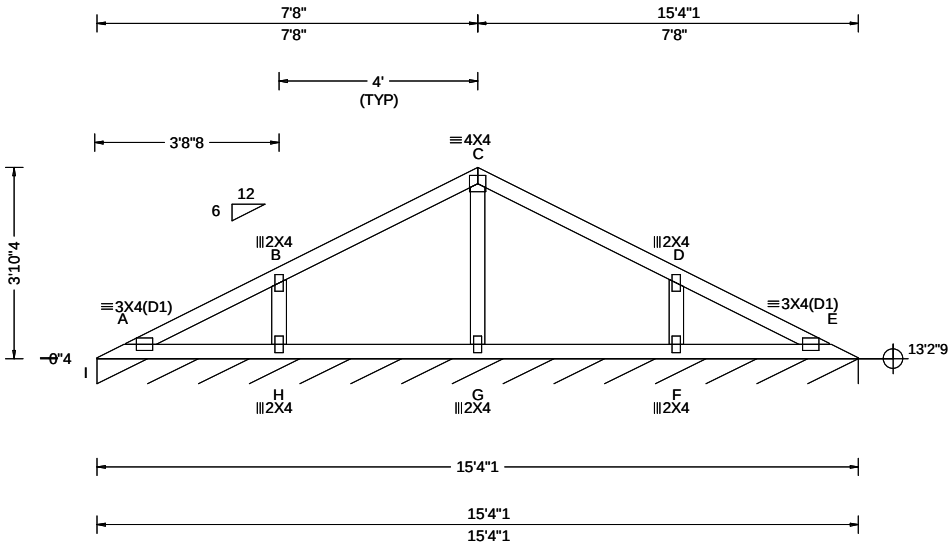
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26195 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V02 | Cust: R 215 JRef:1Y0W2150008 T62<br>DrwNo: 176.24.1002.22150<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.30 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): | 0.004 E | 999 | 240 |
| VERT(CL): | 0.008 E | 999 | 180 |
| HORZ(LL): | -0.001 E | - | - |
| HORZ(TL): | 0.003 E | - | - |

Creep Factor: 2.0
Max TC CSI: 0.275
Max BC CSI: 0.126
Max Web CSI: 0.067

VIEW Ver: 23.02.01A.1204.18

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| I* | 82 | /- | /- | /42 | /1 | /6 |

Wind reactions based on MWFRS
I Brg Wid = 184 Min Req = -
Bearing I 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;

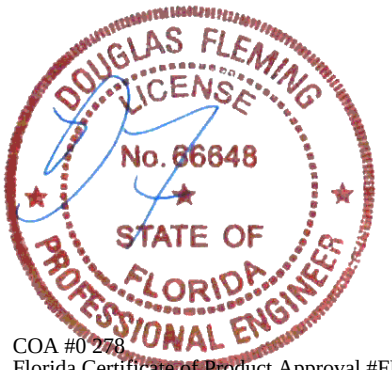
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

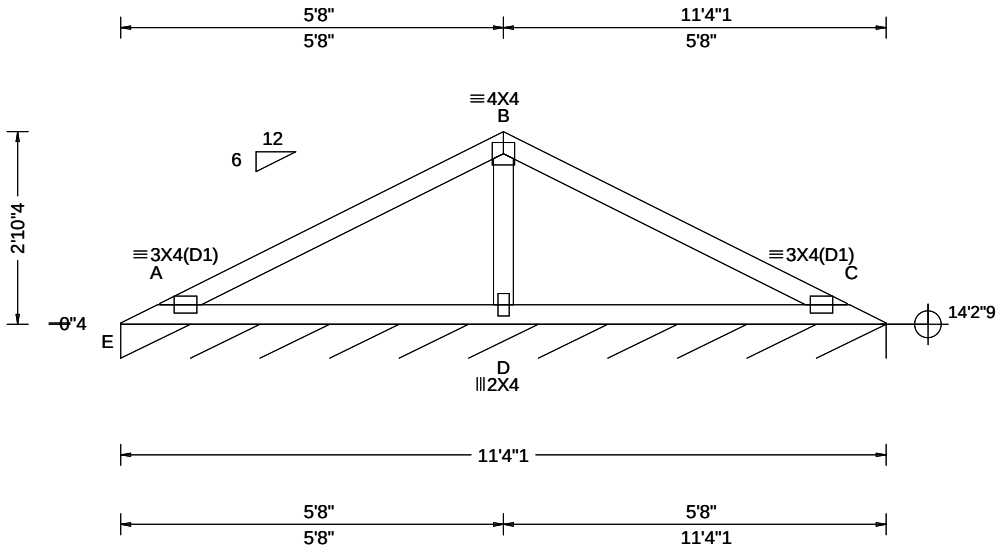
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26197 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V03 | Cust: R 215 JRef:1Y0W2150008 T63<br>DrwNo: 176.24.1002.23547<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.80 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): | 0.021 C | 999 | 240 |
| VERT(CL): | 0.044 C | 999 | 180 |
| HORZ(LL): | -0.009 C | - | - |
| HORZ(TL): | 0.018 C | - | - |

Creep Factor: 2.0
Max TC CSI: 0.434
Max BC CSI: 0.369
Max Web CSI: 0.133

VIEW Ver: 23.02.01A.1204.18

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| E* | 82 | /- | /- | /41 | /0 | /6 |

Wind reactions based on MWFRS
E Brg Wid = 136 Min Req = -
Bearing E is a rigid surface.
Members not listed have forces less than 375#

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

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|---|---|---|---|---|---|
| A - B | 455 | - 213 | B - C | 455 | - 227 |

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

| Webs | Tens. | Comp. |
|---|---|---|
| B - D | 382 | - 626 |

**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**

See DWGS VALTN220723 and VAL180220723 for valley details.


COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

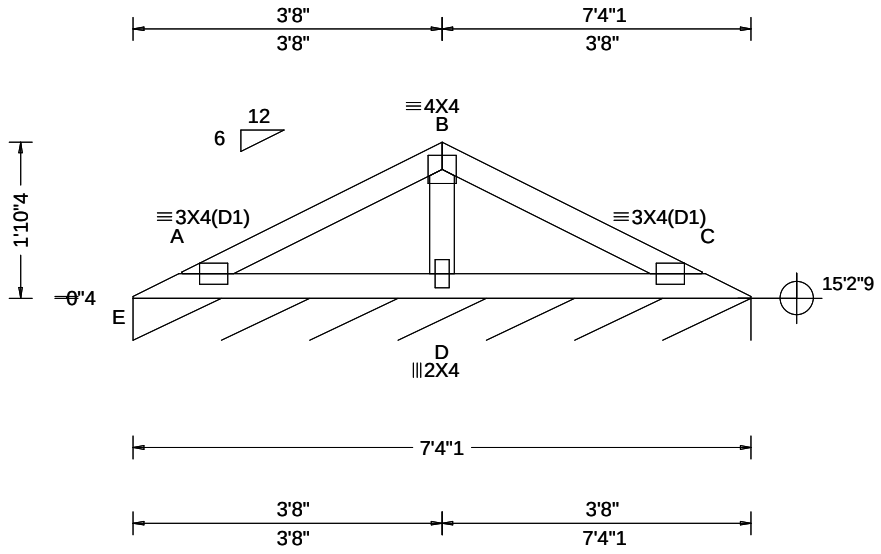
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26199 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V04 | Cust: R 215 JRef:1Y0W2150008 T46<br>DrwNo: 176.24.1003.49680<br>NW / DF 06/24/2024 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.005 C 999 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.011 C 999 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): -0.002 C - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.005 C - - |
| NCBCLL: 10.00 | Mean Height: 16.30 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.152 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.139 |
| Spacing: 24.0 " | MWFRS Parallel Dist: h to 2h | Rep Fac: Yes | Max Web CSI: 0.074 |
| | C&C Dist a: 3.00 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: not in 9.00 ft | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | Wind Duration: 1.60 | | |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| E* | 82 | /- | /- | /40 | /- | /5 |

Wind reactions based on MWFRS
E Brg Wid = 88.0 Min Req = -
Bearing E 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;

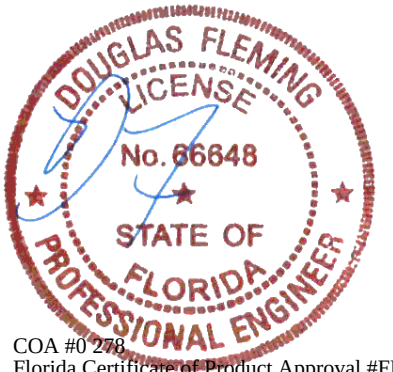
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

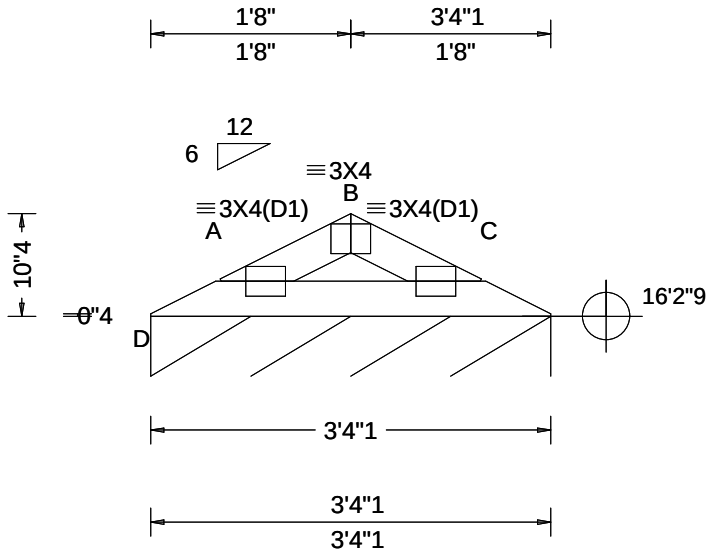
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26201 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V05 | Cust: R 215 JRef:1Y0W2150008 T42<br>DrwNo: 176.24.1003.51183<br>NW / DF 06/24/2024 |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 16.80 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft 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 8th Ed. 2023 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): | 0.002 C | 999 | 240 |
| VERT(CL): | 0.005 C | 999 | 180 |
| HORZ(LL): | -0.001 A | - | - |
| HORZ(TL): | 0.002 A | - | - |

Creep Factor: 2.0
Max TC CSI: 0.048
Max BC CSI: 0.074
Max Web CSI: 0.000

VIEW Ver: 23.02.01A.1204.18

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| D* | 82 | /- | /- | /35 | /- | /4 |

Wind reactions based on MWFRS
D Brg Wid = 40.0 Min Req = -
Bearing D is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

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

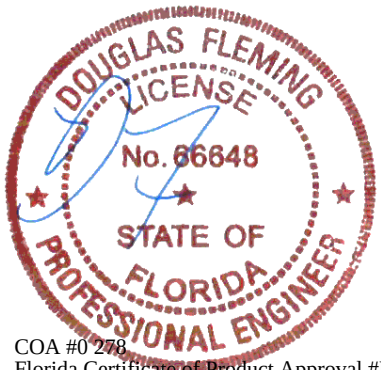
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

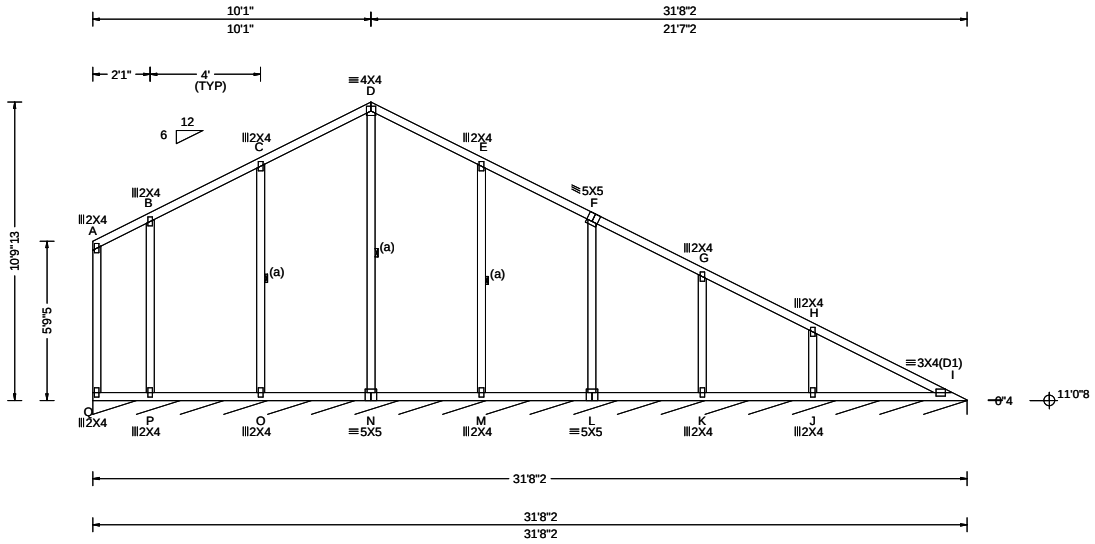
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | |
|---|---|---|---|---|
| SEQN: 26129 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V06 | Cust: R 215 JRef:1Y0W2150008 T65<br>DrwNo: 176.24.1003.54010<br>NW / DF 06/24/2024 | |




| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.021 I 999 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.043 I 999 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): 0.008 C - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.013 C - - |
| NCBCLL: 10.00 | Mean Height: 16.61 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.336 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.251 |
| Spacing: 24.0 " | MWFRS Parallel Dist: h/2 to h | Rep Fac: Yes | Max Web CSI: 0.203 |
| | C&C Dist a: 3.17 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: not in 9.00 ft | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | Wind Duration: 1.60 | | |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| Q* | 82 | /- | /- | /47 | /14 | /9 |

Wind reactions based on MWFRS
Q Brg Wid = 380 Min Req = -
Bearing Q 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;

**Bracing**

(a) Continuous lateral restraint equally spaced on member.

**Wind**

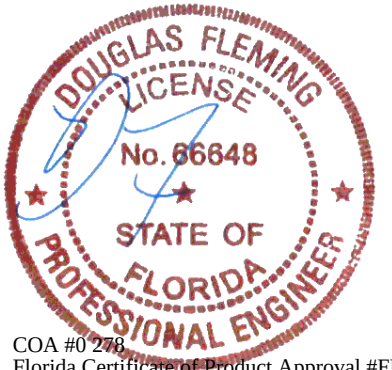
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

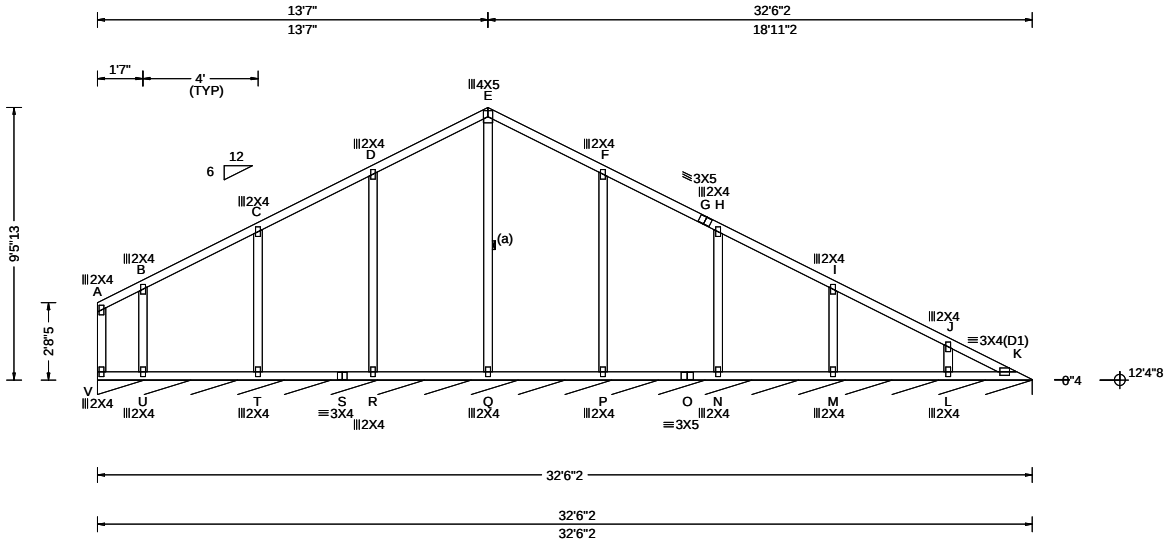
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 26440 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V07 | | Cust: R 215 JRef:1Y0W2150008 T69<br>DrwNo: 176.24.1003.56050<br>NW / DF 06/24/2024 | |




**Loading Criteria** (psf)

| | |
|---|---|
| TCLL: | 20.00 |
| TCDL: | 10.00 |
| BCLL: | 0.00 |
| BCDL: | 10.00 |
| Des Ld: | 40.00 |
| NCBCLL: | 10.00 |
| Soffit: | 2.00 |

Load Duration: 1.25
Spacing: 24.0 "

**Wind Criteria**
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 17.27 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.26 ft 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 8th Ed. 2023 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): 0.002 | F | 999 | 240 |
| VERT(CL): 0.004 | F | 999 | 180 |
| HORZ(LL): -0.007 | B | - | - |
| HORZ(TL): 0.013 | B | - | - |

Creep Factor: 2.0
Max TC CSI: 0.202
Max BC CSI: 0.113
Max Web CSI: 0.288

VIEW Ver: 23.02.01A.1204.18

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| V* | 82 | /- | /- | /44 | /14 | /7 |

Wind reactions based on MWFRS
V Brg Wid = 390 Min Req = -
Bearing V 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;

**Bracing**

(a) Continuous lateral restraint equally spaced on member.

**Wind**

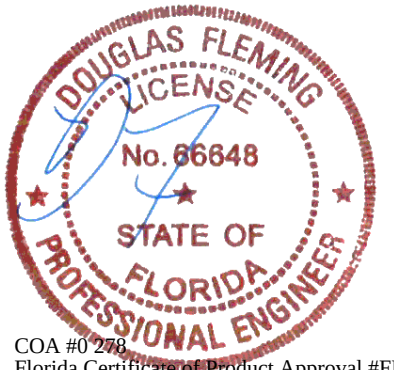
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

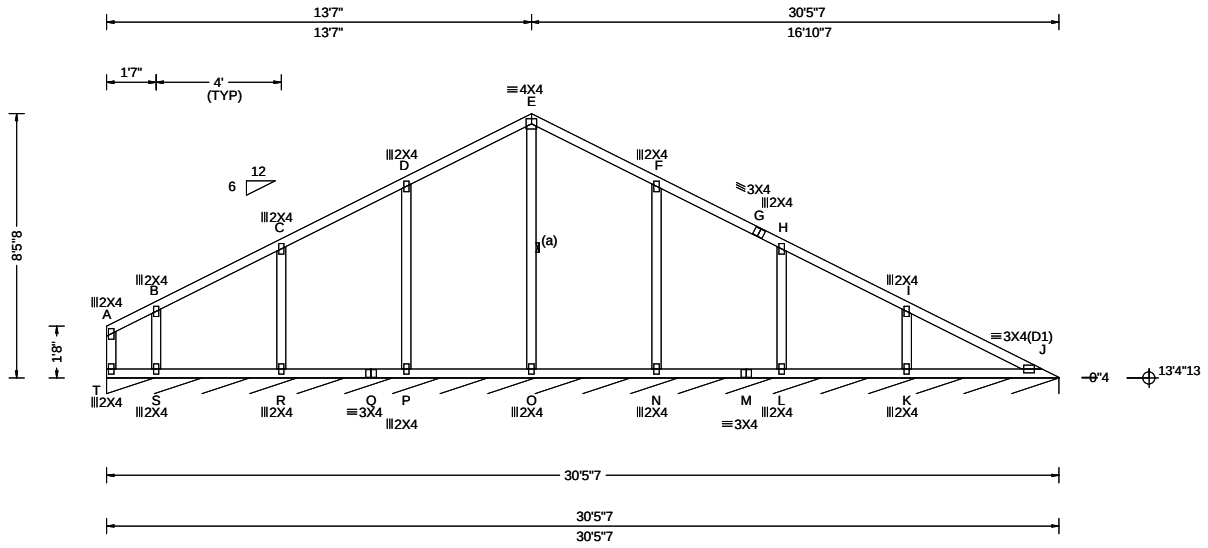
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | |
|---|---|---|---|---|
| SEQN: 26454 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V08 | Cust: R 215 JRef:1Y0W2150008 T54<br>DrwNo: 176.24.1003.57320<br>NW / DF 06/24/2024 | |




| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.013 J 999 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.026 J 999 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): -0.006 A - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.011 A - - |
| NCBCLL: 10.00 | Mean Height: 17.79 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.277 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.206 |
| Spacing: 24.0 " | MWFRS Parallel Dist: h/2 to h | Rep Fac: Yes | Max Web CSI: 0.214 |
| | C&C Dist a: 3.05 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: not in 9.00 ft | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | Wind Duration: 1.60 | | |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| T* | 82 | /- | /- | /43 | /14 | /7 |

Wind reactions based on MWFRS
T Brg Wid = 365 Min Req = -
Bearing T 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;

**Bracing**

(a) Continuous lateral restraint equally spaced on member.

**Wind**

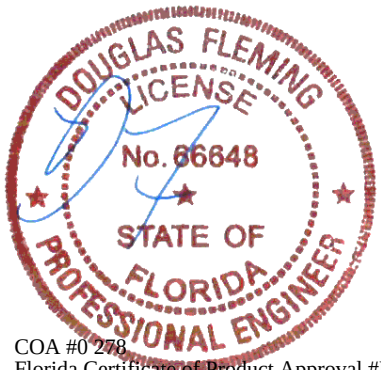
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

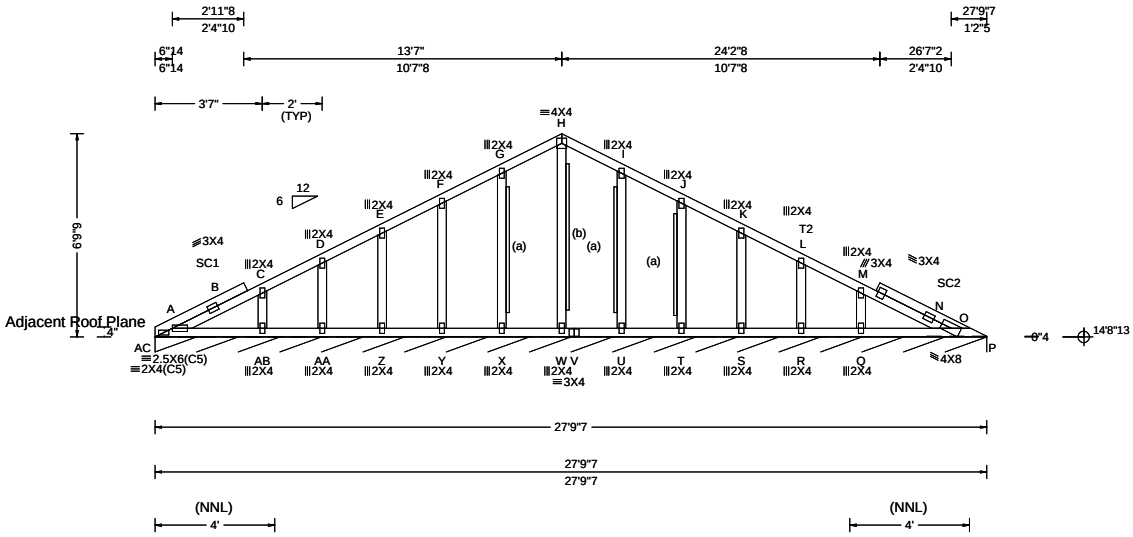
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 9969 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V09 | Cust: R 215 JRef:1Y0W2150008 T15<br>DrwNo: 176.24.1003.59853<br>NW / DF 06/24/2024 |




| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.004 B 999 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.009 B 999 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): -0.002 G - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.003 B - - |
| NCBCLL: 10.00 | Mean Height: 18.28 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.070 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.080 |
| Spacing: 24.0 " | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes | Max Web CSI: 0.932 |
| | C&C Dist a: 3.00 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: not in 9.00 ft | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 24.01.02.0529.20 |
| | Wind Duration: 1.60 | | |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| AC*82 | /- | /- | | /42 | /13 | /6 |

Wind reactions based on MWFRS
AC Brg Wid = 333 Min Req = -
Bearing AC is a rigid surface.
Members not listed have forces less than 375#

**Lumber**

Top chord: 2x4 SP M-31; T2 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP M-31;
Stack Chord: SC2 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.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/287.

**Gable Reinforcement**

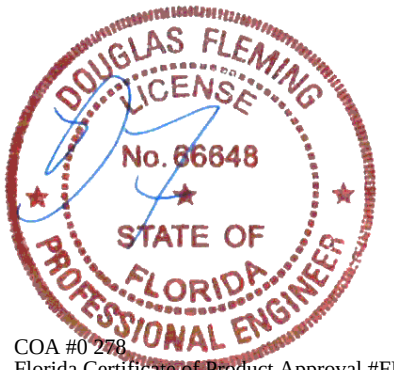
(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
(b) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

**Additional Notes**

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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

See DWGS VALTN220723 and VAL180220723 for valley details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

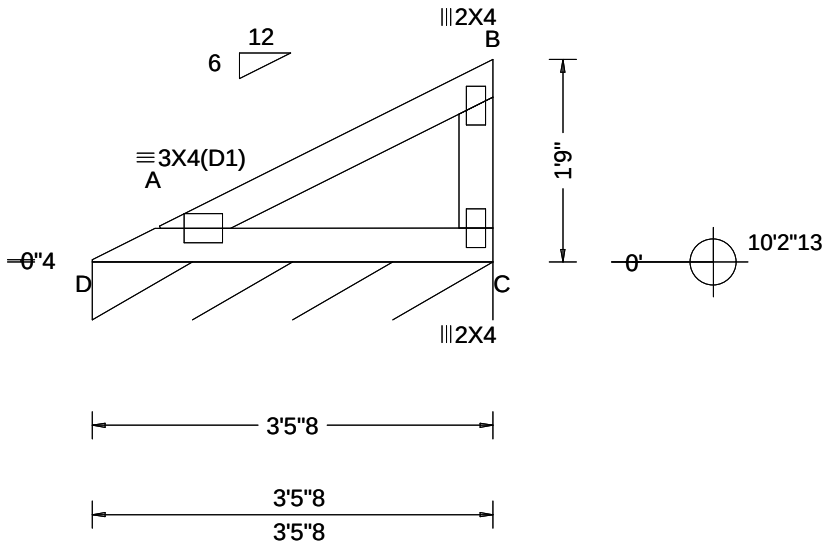
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26206 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V10 | Cust: R 215 JRef:1Y0W2150008 T35<br>DrwNo: 176.24.1004.09157<br>NW / DF 06/24/2024 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-22<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: h to 2h<br>C&C Dist a: 3.00 ft ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 8th Ed. 2023 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): NA<br>VERT(CL): NA<br>HORZ(LL): 0.003 A - -<br>HORZ(TL): 0.005 A - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.138<br>Max BC CSI: 0.113<br>Max Web CSI: 0.068<br><br>VIEW Ver: 23.02.01A.1204.18 |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| D* | 82 | /- | /- | /49 | /2 | /20 |

Wind reactions based on MWFRS
D Brg Wid = 41.5 Min Req = -
Bearing D 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**

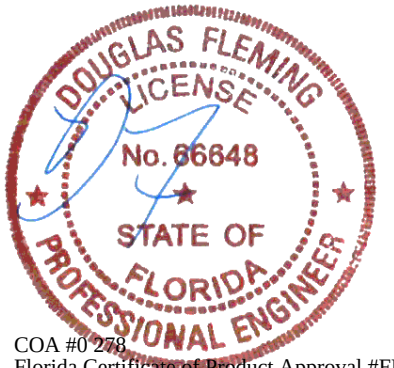
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

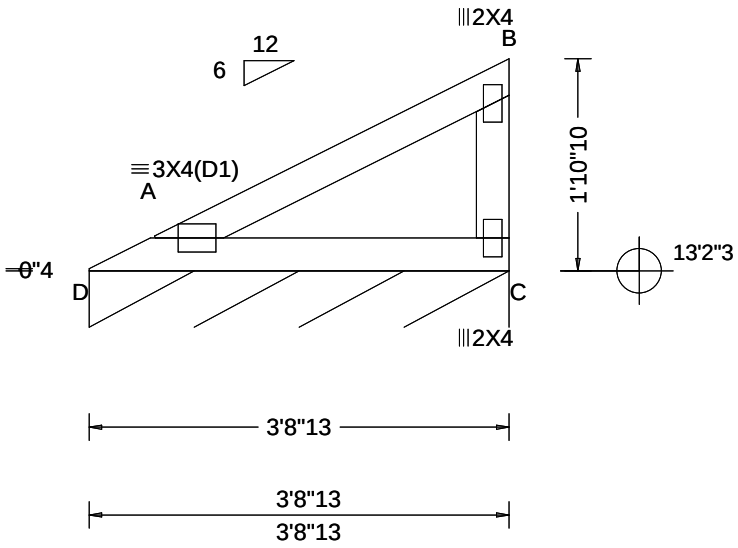
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | |
|---|---|---|---|---|
| SEQN: 26456 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V11 | Cust: R 215 JRef:1Y0W2150008 T37<br>DrwNo: 176.24.1004.12467<br>NW / DF 06/24/2024 | |




| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-22<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: h/2 to h<br>C&C Dist a: 3.00 ft ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 8th Ed. 2023 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): 0.002 A - -<br>HORZ(TL): 0.005 A - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.166<br>Max BC CSI: 0.130<br>Max Web CSI: 0.079<br><br>VIEW Ver: 23.02.01A.1204.18 |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| D* | 82 | /- | /- | /50 | /10 | /20 |

Wind reactions based on MWFRS
D Brg Wid = 44.8 Min Req = -
Bearing D 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**

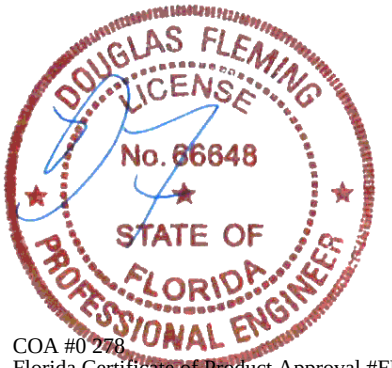
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

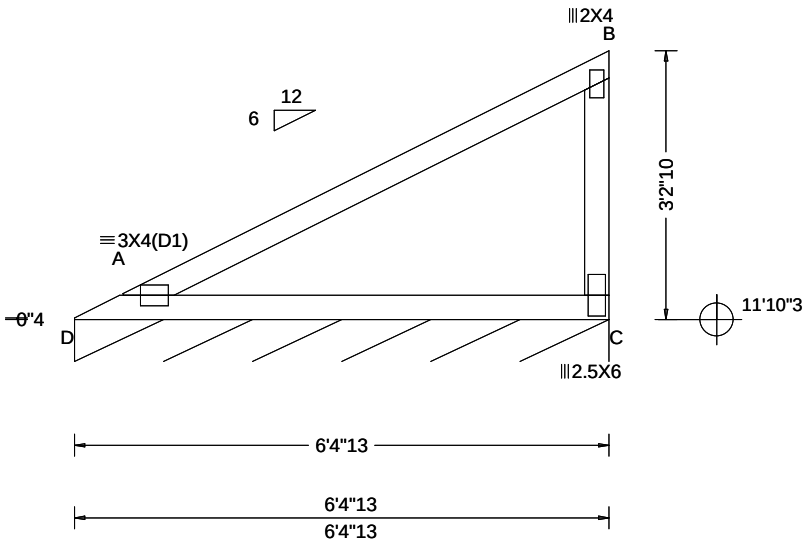
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 26460 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V12 | Cust: R 215 JRef:1Y0W2150008 T64<br>DrwNo: 176.24.1004.13513<br>NW / DF 06/24/2024 |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-22<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: h/2 to h<br>C&C Dist a: 3.00 ft ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 8th Ed. 2023 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): 0.012 A - -<br>HORZ(TL): 0.025 A - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.528<br>Max BC CSI: 0.440<br>Max Web CSI: 0.238<br><br>VIEW Ver: 23.02.01A.1204.18 |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| D* | 82 | /- | /- | /52 | /12 | /21 |

Wind reactions based on MWFRS
D Brg Wid = 76.8 Min Req = -
Bearing D 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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.


COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

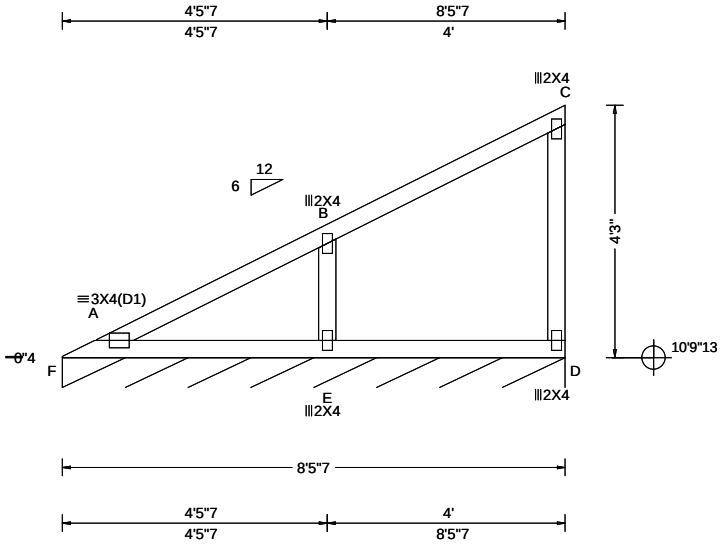
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | |
|---|---|---|---|---|
| SEQN: 26458 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V13 | Cust: R 215 JRef:1Y0W2150008 T66<br>DrwNo: 176.24.1004.14680<br>NW / DF 06/24/2024 | |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.009 A 999 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.018 A 999 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): -0.002 C - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.005 A - - |
| NCBCLL: 10.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.295 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.198 |
| Spacing: 24.0 " | MWFRS Parallel Dist: h/2 to h | Rep Fac: Yes | Max Web CSI: 0.319 |
| | C&C Dist a: 3.00 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: not in 9.00 ft | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | Wind Duration: 1.60 | | |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| F* | 82 | /- | /- | /53 | /12 | /21 |

Wind reactions based on MWFRS
F Brg Wid = 101 Min Req = -
Bearing F 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**

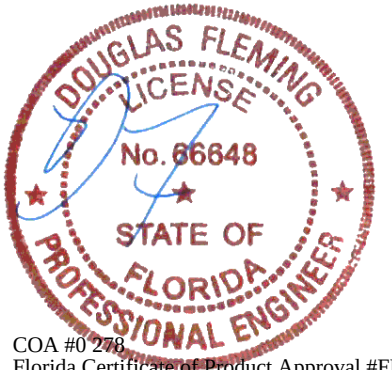
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

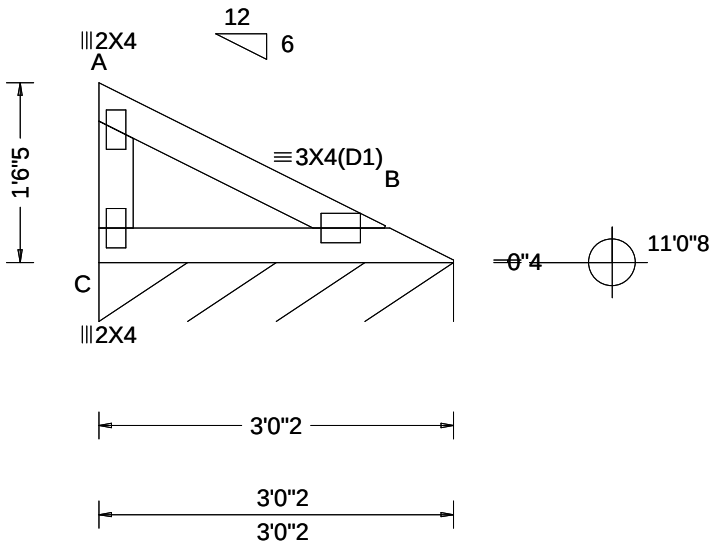
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | | | |
|---|---|---|---|---|---|
| SEQN: 26489 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V14 | | Cust: R 215 JRef:1Y0W2150008 T8<br>DrwNo: 176.24.1004.16837<br>NW / DF 06/24/2024 | |




| **Loading Criteria** (psf) | **Wind Criteria** | **Snow Criteria** (Pg,Pf in PSF) | **Defl/CSI Criteria** |
|---|---|---|---|
| TCLL: 20.00 | Wind Std: ASCE 7-22 | Pg: NA Ct: NA CAT: NA | PP Deflection in loc L/defl L/# |
| TCDL: 10.00 | Speed: 130 mph | Pf: NA Ce: NA | VERT(LL): 0.004 B 999 240 |
| BCLL: 0.00 | Enclosure: Closed | Lu: NA Cs: NA | VERT(CL): 0.009 B 999 180 |
| BCDL: 10.00 | Risk Category: II | Snow Duration: NA | HORZ(LL): -0.002 B - - |
| Des Ld: 40.00 | EXP: C Kzt: NA | | HORZ(TL): 0.003 B - - |
| NCBCLL: 10.00 | Mean Height: 15.00 ft | Building Code: | Creep Factor: 2.0 |
| Soffit: 2.00 | TCDL: 5.0 psf | FBC 8th Ed. 2023 Res. | Max TC CSI: 0.099 |
| Load Duration: 1.25 | BCDL: 5.0 psf | TPI Std: 2014 | Max BC CSI: 0.087 |
| Spacing: 24.0 " | MWFRS Parallel Dist: h to 2h | Rep Fac: Yes | Max Web CSI: 0.051 |
| | C&C Dist a: 3.00 ft ft | FT/RT:20(0)/10(0) | |
| | Loc. from endwall: not in 9.00 ft | Plate Type(s): | |
| | GCpi: 0.18 | WAVE | VIEW Ver: 23.02.01A.1204.18 |
| | Wind Duration: 1.60 | | |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| C* | 82 | /- | /- | /48 | /1 | /10 |

Wind reactions based on MWFRS
C Brg Wid = 36.1 Min Req = -
Bearing C 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**

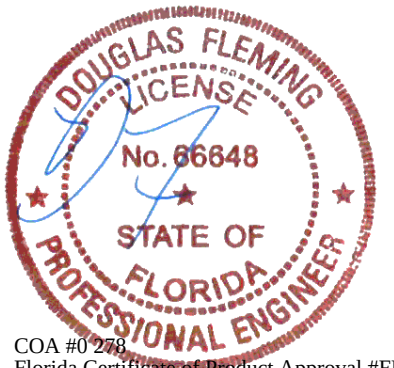
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

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

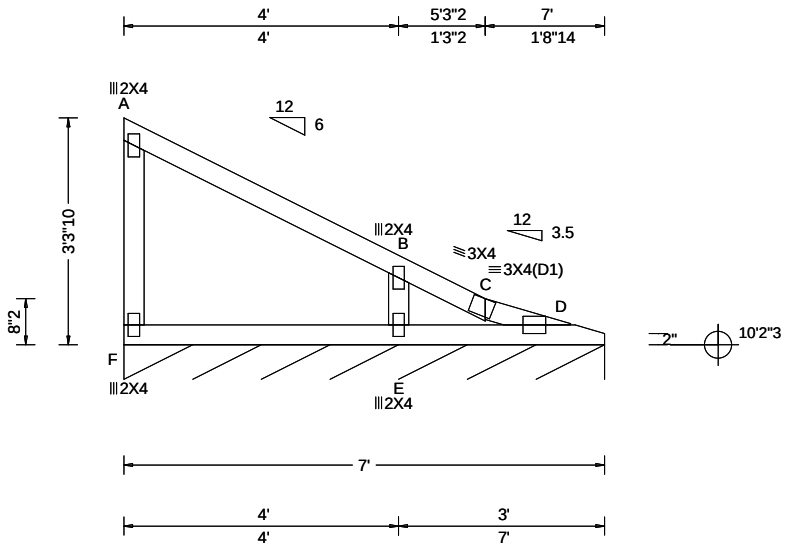
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

| | | | |
|---|---|---|---|
| SEQN: 34716 VAL<br>FROM: | Ply: 1<br>Qty: 1 | **Job Number:** 24-1285<br>Hedrick<br>**Truss Label:** V15 | Cust: R 215 JRef:1Y0W2150008 T14<br>DrwNo: 176.24.1004.18633<br>NW / DF 06/24/2024 |




| Loading Criteria (psf) | Wind Criteria | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria |
|---|---|---|---|
| TCLL: 20.00<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 40.00<br>NCBCLL: 10.00<br>Soffit: 2.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7-22<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 5.0 psf<br>BCDL: 5.0 psf<br>MWFRS Parallel Dist: h to 2h<br>C&C Dist a: 3.00 ft ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 8th Ed. 2023 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/10(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.001 D 999 240<br>VERT(CL): 0.002 D 999 180<br>HORZ(LL): 0.001 A - -<br>HORZ(TL): 0.001 A - -<br>Creep Factor: 2.0<br>Max TC CSI: 0.198<br>Max BC CSI: 0.117<br>Max Web CSI: 0.091<br><br>VIEW Ver: 23.02.01A.1204.18 |

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

| | Gravity | | | Non-Gravity | | |
|---|---|---|---|---|---|---|
| Loc | R+ | / R- | / Rh | / Rw | / U | / RL |
| D* | 82 | /- | /- | /51 | /3 | /11 |

Wind reactions based on MWFRS
D Brg Wid = 84.0 Min Req = -
Bearing F 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**

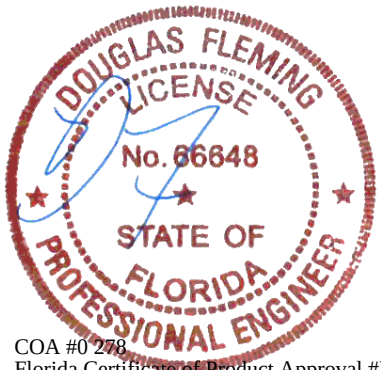
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.




COA #0 278
Florida Certificate of Product Approval #FL1999
06/24/2024

****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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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.

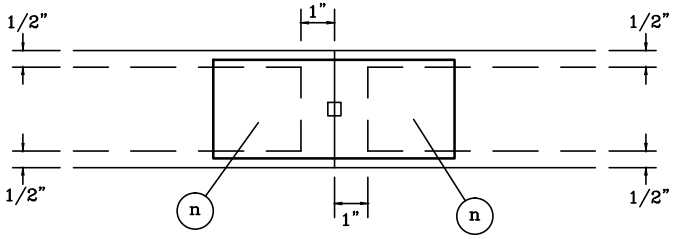
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

# TRULOX INFORMATION DETAIL

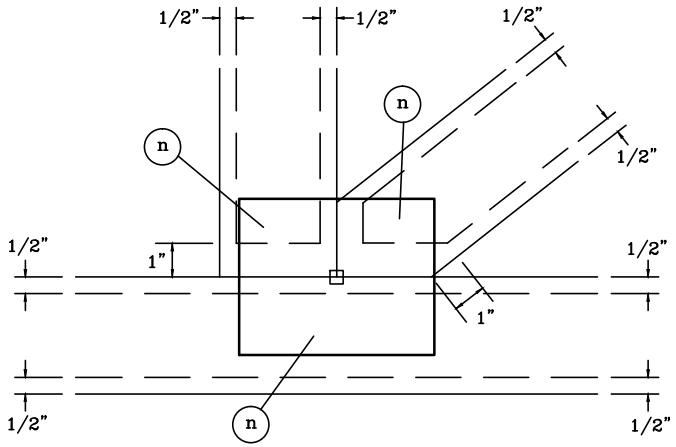
## TYPICAL OFF PANEL SPLICE



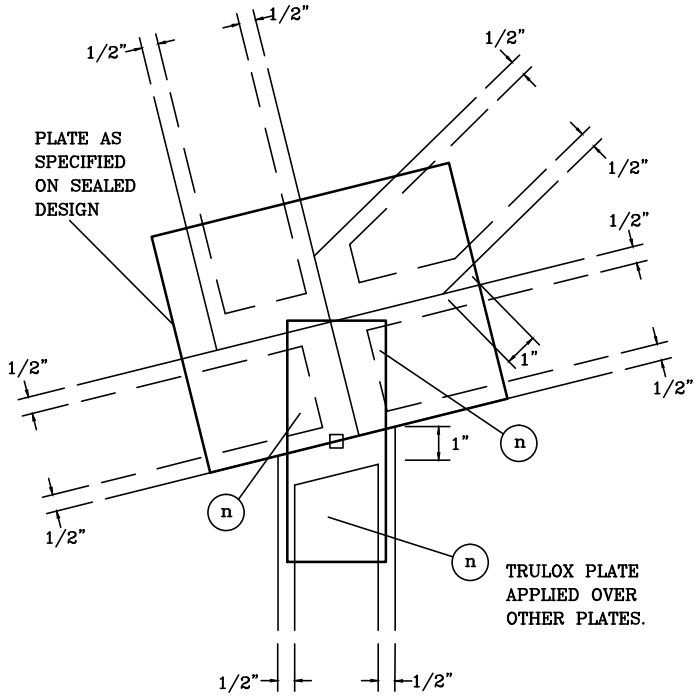

DO NOT APPLY NAILS WITHIN 1/2" OF LUMBER EDGES OR 1" OF LUMBER ENDS ON EACH FACE, AS SHOWN BY DASHED LINES.

NAILS MUST NOT SPLIT LUMBER.

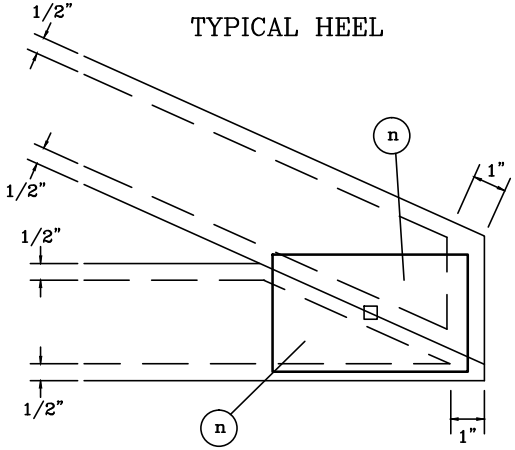
## TYPICAL PANEL POINT WITHOUT SPLICE



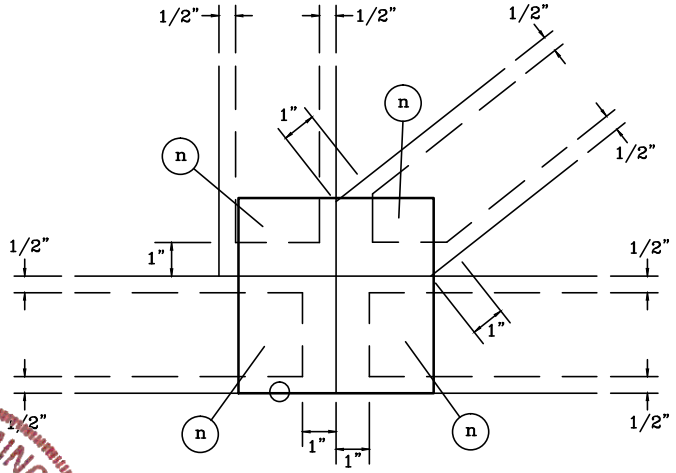

## TYPICAL FILLER




## TYPICAL HEEL




## TYPICAL PANEL POINT SPLICE





ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025


NOTES:
(n) IS THE REQUIRED NUMBER OF 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY AS SPECIFIED ON THE SEALED DESIGN REFERENCING THIS DETAIL.
○ LOCATES PLATE CORNER OR FLUSH EDGE.
□ LOCATES PLATE CENTER.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

06/24/2024
COA #0 278

TRULOX PLATING

160 TL

PAGE 1 OF 1

DATE 10/01/14

# 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.

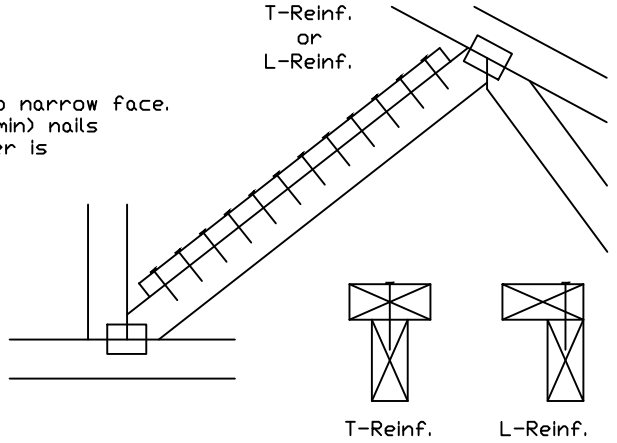
| Web Member Size | Specified CLR Restraint | Alternative Reinforecement T- or L- Reinf. | Alternative Reinforecement Scab Reinf. |
|---|---|---|---|
| 2x3 or 2x4 | 1 row | 2x4 | 1-2x4 |
| 2x3 or 2x4 | 2 rows | 2x6 | 2-2x4 |
| 2x6 | 1 row | 2x4 | 1-2x6 |
| 2x6 | 2 rows | 2x6 | 2-2x4(*) |
| 2x8 | 1 row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

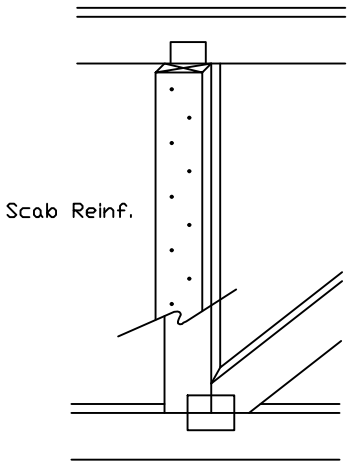
## T-Reinforcement or L-Reinforcement:

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.




DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

06/24/2024

COA #0 278

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



| | | |
|---|---|---|
| TC LL | | PSF |
| TC DL | | PSF |
| BC DL | | PSF |
| BC LL | | PSF |
| TOT. LD. | | PSF |
| DUR. FAC. | | |
| SPACING | | |

| | |
|---|---|
| REF | CLR Subst. |
| DATE | 01/02/19 |
| DRWG | BRCLBSUB0119 |

# Commentary: Deflection and Camber

Camber may be built into trusses to compensate for the vertical deflection that results from the application of loads. Providing camber has the following advantages:

- Helps to ensure level ceilings and floors after dead loads are applied.
- Facilitates drainage to avoid ponding on flat or low slope roofs.
- Compensates for different deflection characteristics between adjacent trusses.
- Improves appearance of garage door headers and other long spans that can appear to "sag."
- Avoids "dips" in roof ridgelines at the transition from the gable to adjacent clear span trusses.

In accordance with ANSI/TPI 1 the Building Designer, through the Construction Documents, shall provide the location, direction, and magnitude of all loads attributable to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding loads.

The amount of camber is dependent on the truss type, span, loading, application, etceteras.

More restrictive limits for allowable deflection and slenderness ratio (L/D) may be required to help control vibration.

The following tables are provided as guidelines for limiting deflection and estimating camber. Conditions or codes may exist that require exceeding these recommendations, or past experience may warrant using more stringent limitations.

L = Span of Truss (inches)
D = Depth of Truss at Deflection Point (inches)

## Recommended Truss Deflection Limits

| Truss Type | L/D | Deflection Limits | |
|---|---|---|---|
| | | Live Load | Total Load |
| Pitched Roof Trusses | 24 | L/240 (vertical) | L/180 (vertical) |
| Floor of Room-In-Attic Trusses | 24 | L/360 (vertical) | L/240 (vertical) |
| Flat or Shallow Pitched Roof Trusses | 24 | L/360 (vertical) | L/240 (vertical) |
| Residential Floor Trusses | 24 | L/360 (vertical) | L/240 (vertical) |
| Commercial Floor Trusses | 20 | L/480 (vertical) | L/240 (vertical) |
| Scissors Trusses | 24 | 0.75" (horizontal) | 1.25" (horizontal) |

| Truss Type | Recommended Camber |
|---|---|
| Pitched Trusses | 1.00 x Deflection from Actual Dead Load |
| Sloping Parallel Chord Trusses | 1.5 x Vertical Deflection from Actual Dead Load |
| Floor Trusses | (0.25 x Deflection from Live Load) + Actual Dead Load |
| Flat Roof Trusses | (0.25 x Deflection from Live Load) + (1.5 x Design Dead Load Deflection) |

Note: The actual dead load may be considerably less than the design dead load.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

06/24/2024

COA #0 278

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



| | |
|---|---|
| REF | DEFLEC/CAMB |
| DATE | 10/01/14 |
| DRWG | DEFLCAMB1014 |

# Piggyback Detail - ASCE 7-22: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

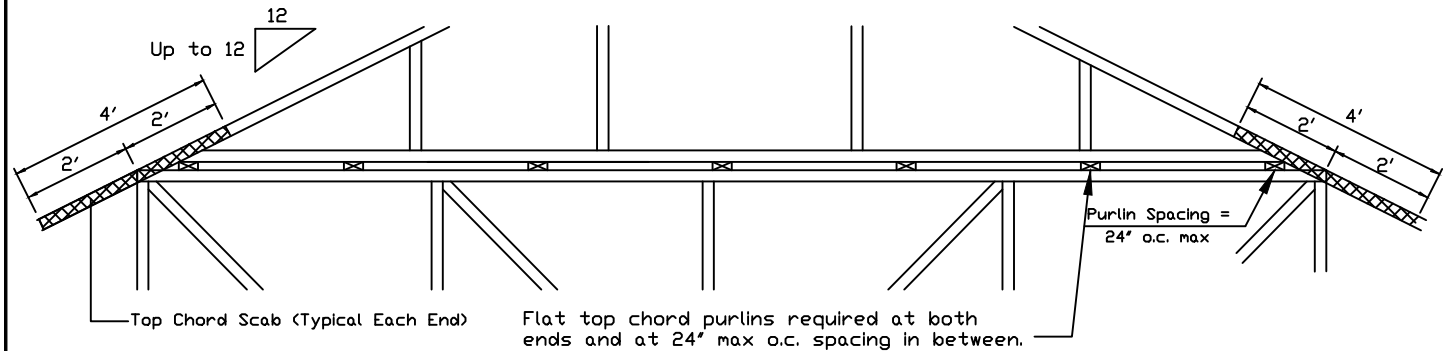
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg. located anywhere in roof, Exp D, Wind DL= 5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building designer shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24" o.c. Detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

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

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




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

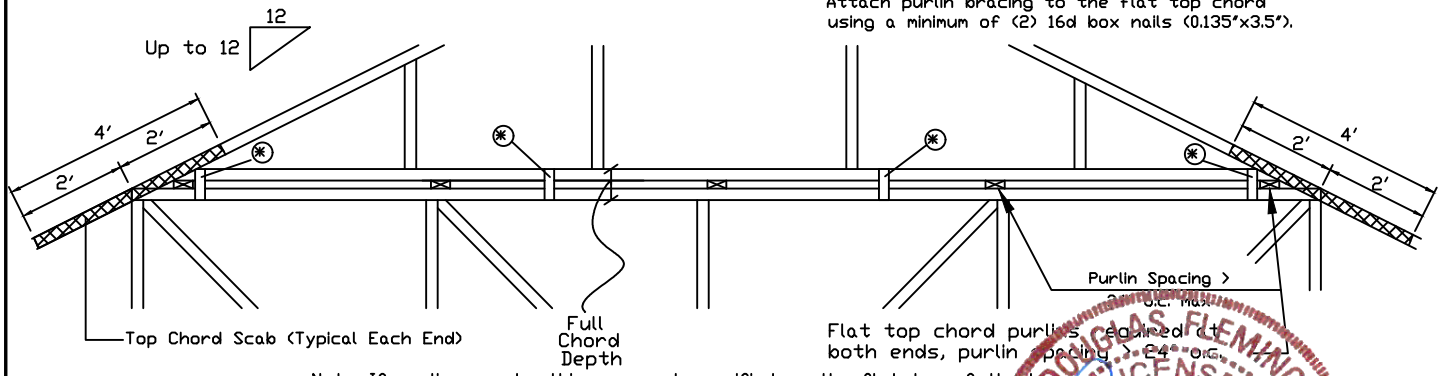
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

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

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

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

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




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

* In addition, provide connection with one of the following methods:

**Trulox**
Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.

**APA Rated Gusset**
8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.113"x2") nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

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

**28PB Wave Piggyback Plate**
One 28PB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.


ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025


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

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

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

**A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.**

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


06/24/2024
COA #0 278

| | |
|---|---|
| REF | PIGGYBACK |
| DATE | 07/03/2023 |
| DRWG | PB160220723 |
| SPACING | 24.0" |

# Valley Detail - ASCE 7-22: 180 mph, 30' Mean Height, Partially Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

** Attach each valley to every supporting truss with:
535# connection or with (1) Simpson H2.5A or equivalent connector for
ASCE 7-22 180 mph. 30' Mean Height, Part. Enc. Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00
Or
ASCE 7-22 160 mph. 30' Mean Height, Part. Enc. Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

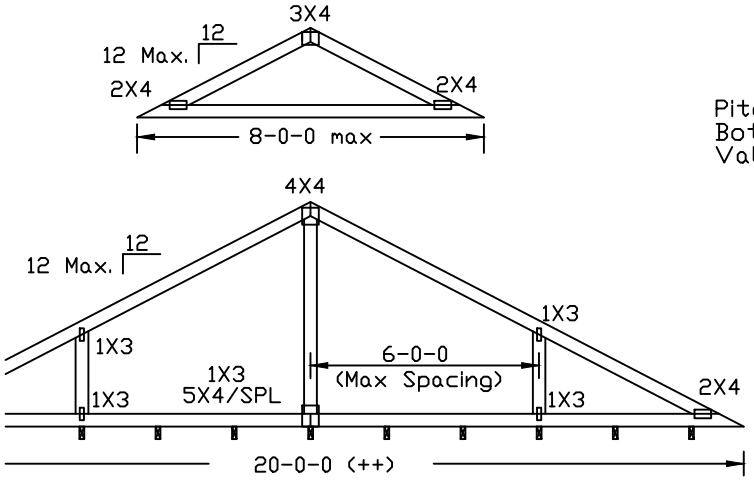
All plates shown are Alpine Wave Plates.

Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

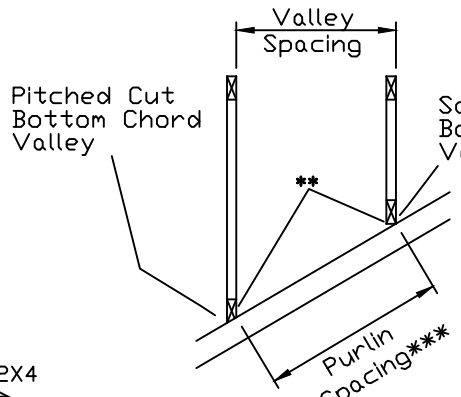
Top chord of truss beneath valley set must be braced with:
properly attached, rated sheathing applied prior to valley truss installation.
Or
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design
Or
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

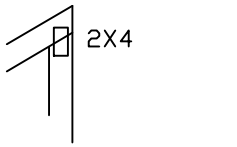
*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.

++ Larger spans may be built as long as the vertical height does not exceed 14'-0".

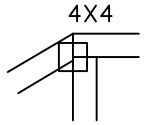


Supporting trusses at 24" o.c. maximum spacing.

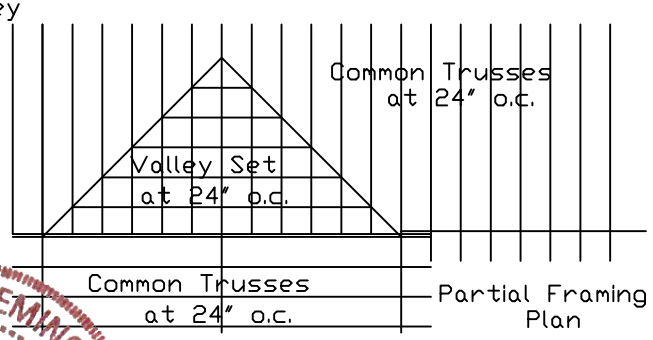


Square Cut Bottom Chord Valley
Stubbed Valley End Detail



Optional Hip Joint Detail



Partial Framing Plan

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
06/24/2024
COA #0 278

ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

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

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

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

**A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.**

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

| | | | | |
|---|---|---|---|---|
| TC LL | 30 | 30 | 40 | PSF |
| TC DL | 20 | 15 | 7 | PSF |
| BC DL | 10 | 10 | 10 | PSF |
| BC LL | 0 | 0 | 0 | PSF |
| TOT. LD. | 60 | 55 | 57 | PSF |
| DUR.FAC. | 1.25 | 1.33 | 1.15 | 1.15 |
| SPACING | | | 24.0" | |

| | |
|---|---|
| REF | VALLEY DETAIL |
| DATE | 07/03/2023 |
| DRWG | VAL180220723 |

# Valley Detail - ASCE 7-22: 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

** Attach each valley to every supporting truss with:
(2) 16d box (0.135" x 3.5") nails toe-nailed for
ASCE 7-22, 30' Mean Height, Enclosed Building, Exp. C,
Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on
supporting truss material at connection location:
140 mph for SP (G = 0.55, min.),
125 mph for DF-L (G = 0.50, min.), or
105 mph for HF & SPF (G = 0.42, min.).

Maximum top chord pitch is 10/12 for supporting trusses below valley trusses.

Bottom chord of valley trusses may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

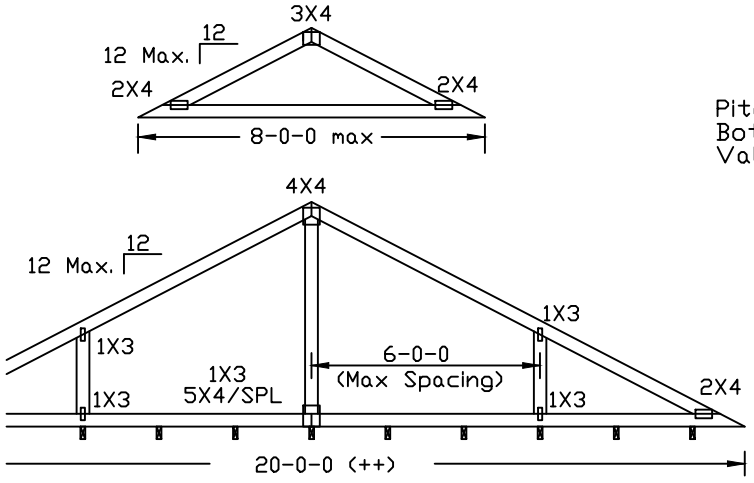
All plates shown are Alpine Wave Plates.

Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

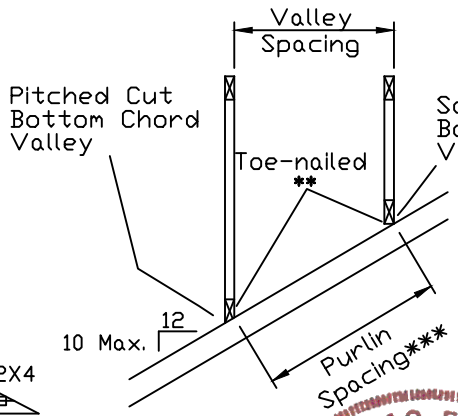
Top chord of truss beneath valley set must be braced with:
properly attached, rated sheathing applied prior to valley truss installation.
Or
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design
Or
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

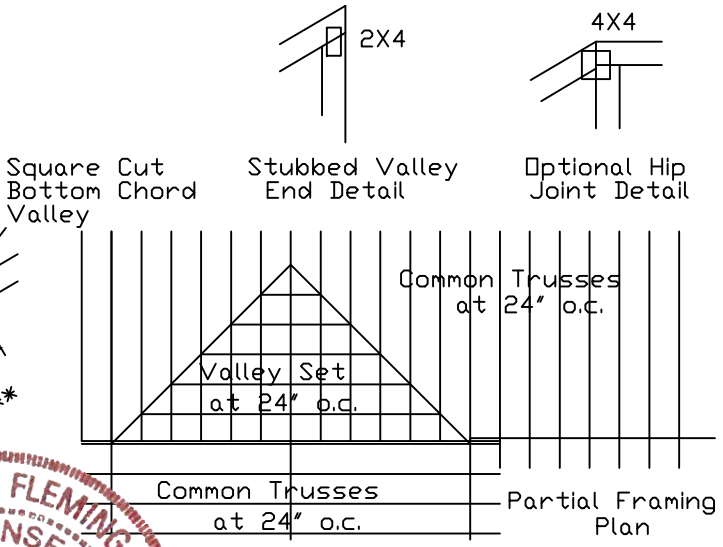
*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.

++ Larger spans may be built as long as the vertical height does not exceed 14'-0".




Supporting trusses at 24" o.c. maximum spacing.





ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025


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

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

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

**A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.**

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

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
06/24/2024
COA #0 278

| | | | | |
|---|---|---|---|---|
| TC LL | 30 | 30 | 40 | PSF |
| TC DL | 20 | 15 | 7 | PSF |
| BC DL | 10 | 10 | 10 | PSF |
| BC LL | 0 | 0 | 0 | PSF |
| TOT. LD. | 60 | 55 | 57 | PSF |
| DUR.FAC. | 1.25 | 1.33 | 1.15 | 1.15 |
| SPACING | | | 24.0" | |

| | |
|---|---|
| REF | VALLEY DETAIL |
| DATE | 07/03/2023 |
| DRWG | VALTN220723 |

# NAIL SPACING DETAIL

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

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

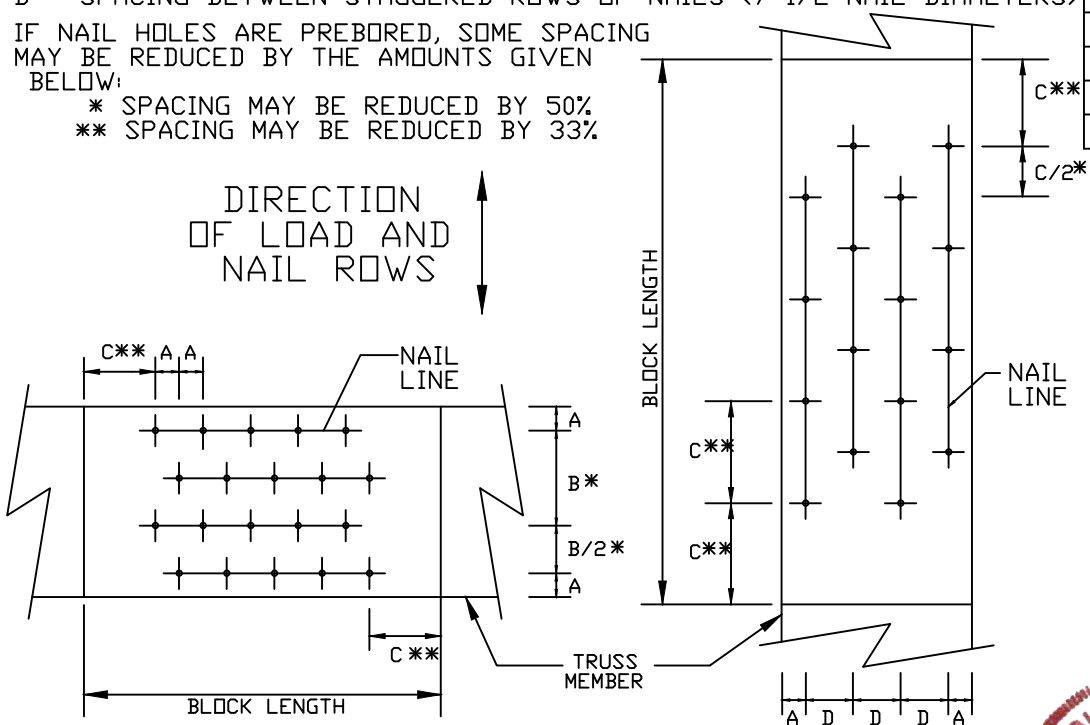
LOAD PERPENDICULAR TO GRAIN
A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN
A - EDGE DISTANCE (6 NAIL DIAMETERS)
C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
* SPACING MAY BE REDUCED BY 50%
** SPACING MAY BE REDUCED BY 33%

MINIMUM NAIL SPACING DISTANCES

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




LOAD APPLIED PERPENDICULAR TO GRAIN  LOAD APPLIED PARALLEL TO GRAIN

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

06/24/2024

COA #0 278


ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025


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

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

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

**A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.**

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

| | |
|---|---|
| REF | NAIL SPACE |
| DATE | 10/01/14 |
| DRWG | CNNAILSP1014 |