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

Alpine, an ITW Company
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Orlando, FL 32821
Phone: (800)755-6001
www.alpineitw.com



Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 21-6101
Job Description: Lot 20 Country Lakes - Barnett	
Address:	

Job Engineering Criteria:			
Design Code: FBC 7th Ed. 2020 Res.		IntelliVIEW Version: 21.01.01A	
		JRef #: 1X922150005	
Wind Standard: ASCE 7-16	Wind Speed (mph): 130	Design Loading (psf): 40.00	
Building Type: Closed			

This package contains general notes pages, 80 truss drawing(s) and 8 detail(s).

Item	Drawing Number	Truss
1	266.21.1404.39263	A01
3	266.21.1405.15050	A03
5	266.21.1405.20460	A05
7	266.21.1407.13907	B01
9	266.21.1407.19157	B03
11	266.21.1407.24167	B05
13	266.21.1407.29020	B07
15	266.21.1407.33123	B09
17	266.21.1407.42967	B11
19	266.21.1407.49250	B13
21	266.21.1407.56990	B22
23	266.21.1408.05220	C01
25	266.21.1408.12543	C03
27	266.21.1408.17813	C05
29	266.21.1408.24820	D02
31	266.21.1408.27897	E01
33	266.21.1408.31137	E03
35	266.21.1408.33963	E05
37	266.21.1408.36710	E07
39	266.21.1408.41517	E09
41	266.21.1408.45320	E11
43	266.21.1408.48067	E13
45	266.21.1408.50820	E15
47	266.21.1408.55273	J01
49	266.21.1409.00710	J02
51	266.21.1405.47470	J03

Item	Drawing Number	Truss
2	266.21.1404.42683	A02
4	266.21.1405.18770	A04
6	266.21.1405.22067	A06
8	266.21.1407.16517	B02
10	266.21.1407.21550	B04
12	266.21.1407.26730	B06
14	266.21.1407.30667	B08
16	266.21.1407.39463	B10
18	266.21.1407.46460	B12
20	266.21.1407.51597	B21
22	266.21.1407.59183	B23
24	266.21.1408.09243	C02
26	266.21.1408.14767	C04
28	266.21.1408.19970	D01
30	266.21.1408.26460	D03
32	266.21.1408.29673	E02
34	266.21.1408.32593	E04
36	266.21.1408.35270	E06
38	266.21.1408.39527	E08
40	266.21.1408.43827	E10
42	266.21.1408.46783	E12
44	266.21.1408.49420	E14
46	266.21.1408.52007	E16
48	266.21.1408.58943	J01HJ
50	266.21.1409.04397	J02HJ
52	266.21.1405.49253	J03HJ



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Site Information:	Page 2:
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Job Description: Lot 20 Country Lakes - Barnett	
Address:	

Item	Drawing Number	Truss
53	266.21.1405.50810	J04
55	266.21.1405.53993	J06
57	266.21.1405.58753	J08
59	266.21.1406.05117	J12
61	266.21.1406.11287	PB02
63	266.21.1406.17713	V01
65	266.21.1406.22007	V03
67	266.21.1406.26287	V05
69	266.21.1406.31547	V07
71	266.21.1406.35100	B14
73	266.21.1406.50233	B16
75	266.21.1406.55743	B18
77	266.21.1407.02223	B19
79	266.21.1407.07667	B20
81	A14015ENC160118	
83	PB160160118	
85	VALTN160118	
87	A14030ENC160118	

Item	Drawing Number	Truss
54	266.21.1405.52570	J05
56	266.21.1405.55707	J07
58	266.21.1406.01017	J11
60	266.21.1406.08647	PB01
62	266.21.1406.13127	PB03
64	266.21.1406.19623	V02
66	266.21.1406.23940	V04
68	266.21.1406.29720	V06
70	266.21.1406.32890	V08
72	266.21.1406.36930	B15
74	266.21.1406.53187	B17
76	266.21.1406.59257	PB04
78	266.21.1407.05440	PB05
80	266.21.1407.11070	PB06
82	GBLLETIN0118	
84	VAL180160118	
86	BRCLBSUB0119	
88	DEFLCAMB1014	

General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AWC. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

Temporary Lateral Restraint and Bracing:

Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

Permanent Lateral Restraint and Bracing:

The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed and detailed by the Building Designer.

Connector Plate Information:

Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at www.icc-es.org.

Fire Retardant Treated Lumber:

Fire retardant treated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.

General Notes (continued)

Key to Terms:

Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.

BCLL = Bottom Chord standard design Live Load in pounds per square foot.

CL = Certified lumber.

Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

FRT = Fire Retardant Treated lumber.

FRT-DB = D-Blaze Fire Retardant Treated lumber.

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.

g = green lumber.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

Ic = Incised lumber.

FJ = Finger Jointed lumber.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

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

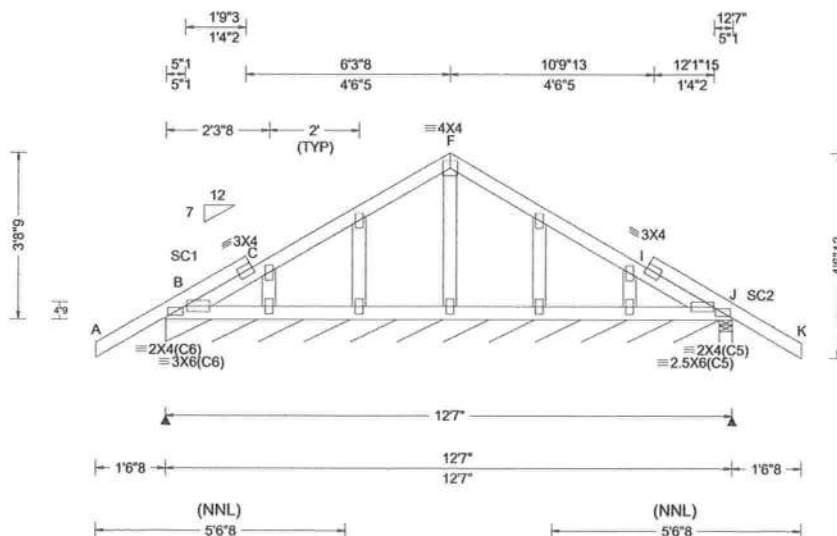
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

1. AWC: American Wood Council; 222 Catocin 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.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; 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.sbcindustry.com.

SEQN: 29838 FROM:	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: A01	Cust: R 215 JRef: 1X922150005 T1 DrwNo: 266.21.1404.39263 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 B 999 240 VERT(CL): 0.003 B 999 180 HORZ(LL): -0.000 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.197 Max BC CSI: 0.082 Max Web CSI: 0.032 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B* 81 /- /- /49 /- /6 J 259 /- /- /205 /55 /- Wind reactions based on MWFRS B Brg Width = 147 Min Req = - J Brg Width = 3.5 Min Req = 1.5 Bearings B & J 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;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

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

Additional Notes

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

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in 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.



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09/23/2021

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

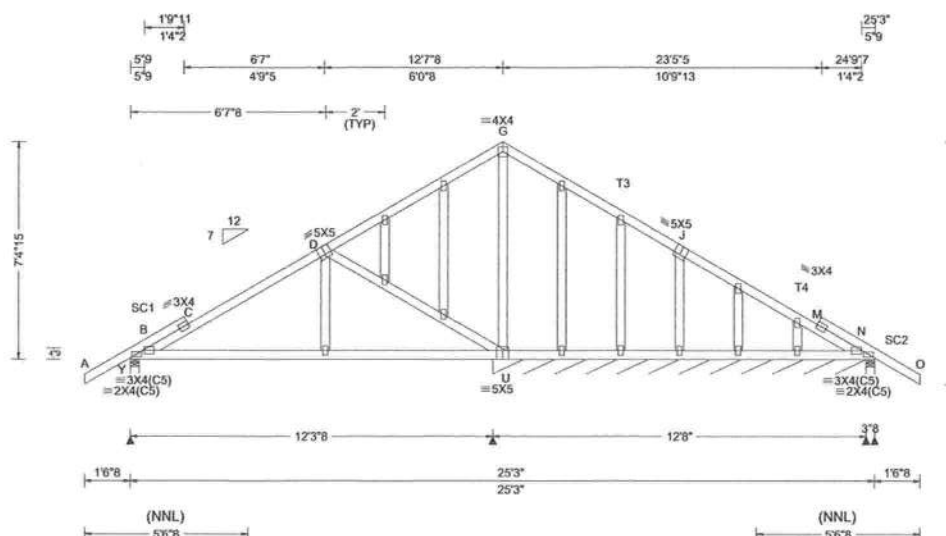
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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SEQN: 29514 FROM:	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: A02	Cust: R 215 JRef: 1X922150005 T8 DrwNo: 266.21.1404.42683 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.041 F 999 240 VERT(CL): 0.083 F 999 180 HORZ(LL): 0.018 F - - HORZ(TL): 0.037 F - - Creep Factor: 2.0 Max TC CSI: 0.207 Max BC CSI: 0.167 Max Web CSI: 0.837 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL Y 535 /- /- /329 /- /72 U* 127 /- /- /71 /- /- N 212 /- /- /146 /83 /- Wind reactions based on MWFRS Y Brg Width = 3.5 Min Req = 1.5 U Brg Width = 152 Min Req = - N Brg Width = 3.5 Min Req = 1.5 Bearings Y, U, & N 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.

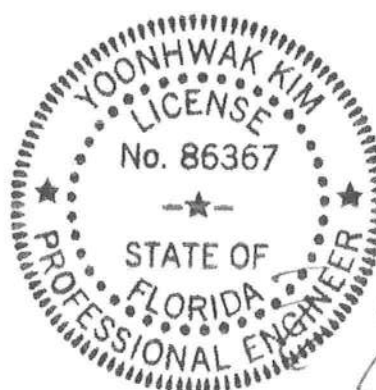
Lumber
Top chord: 2x4 SP M-31; T3,T4 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes
All plates are 2X4 except as noted.

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

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

Additional Notes
See DWGS A14015ENC160118 & GBULLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in 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.

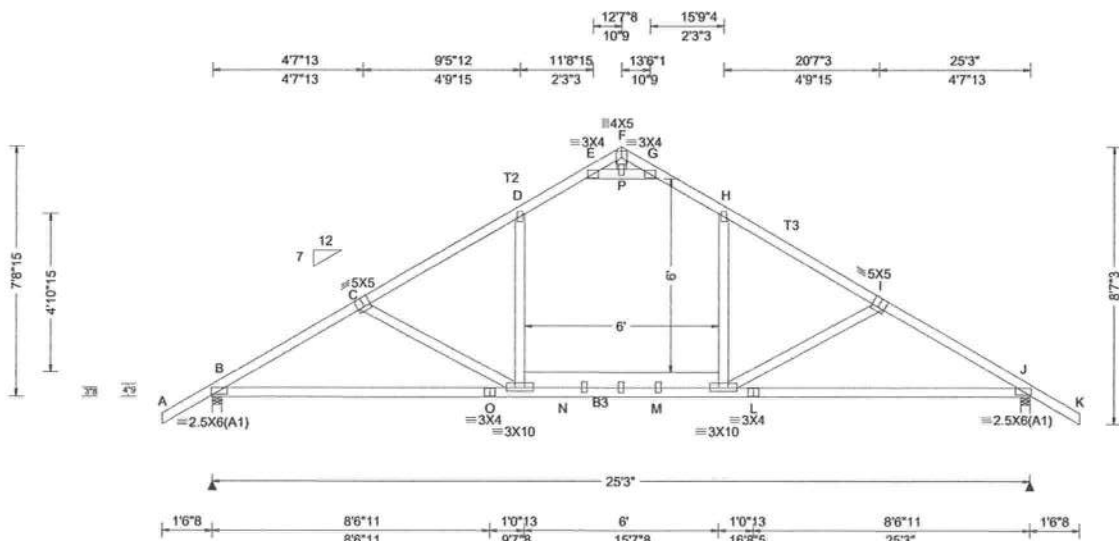


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SEQN: 29830 FROM:	COMN Ply: 1 Qty: 4	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: A03	Cust: R 215 JRef: 1X922150005 T48 DrwNo: 266.21.1405.15050 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.229 P 999 240 VERT(CL): 0.615 L 487 180 HORZ(LL): 0.110 D - - HORZ(TL): 0.336 D - - Creep Factor: 2.0 Max TC CSI: 0.719 Max BC CSI: 0.853 Max Web CSI: 0.296 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 1254 - / - /692 /198 /235 J 1254 - / - /692 /198 - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 J Brg Width = 3.5 Min Req = 1.5 Bearings B & 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 504 -1847 F - G 575 -172 C - D 408 -1491 G - H 405 -1112 D - E 405 -1112 H - I 408 -1491 E - F 575 -172 I - J 504 -1847

Lumber

Top chord: 2x4 SP #2; T2,T3 2x4 SP M-31;
Bot chord: 2x4 SP #2; B3 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Loading

Mechanical Unit Loads Supported by this Truss

At	Truss	Unit	Unit	Supporting
X-Loc	Piece	Lbs.	Width	Trusses
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4

Wind

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

Wind loading based on both gable and hip roof types.

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



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Chords	Tens.Comp.	Chords	Tens. Comp.
B - O	1545 -306	M - L	1545 -322
O - N	1545 -306	L - M	1425 -222
N - O	1425 -188	L - J	1545 -322

Maximum Web Forces Per Ply (lbs)	Maximum Bot Chord Forces Per Ply (lbs)
Webs Tens.Comp.	Chords Tens. Comp.
C - N 261 -488	P - G 730 -2042
D - N 459 -40	M - H 459 -40
E - P 730 -2042	M - I 261 -488
F - P 630 -224	

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

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

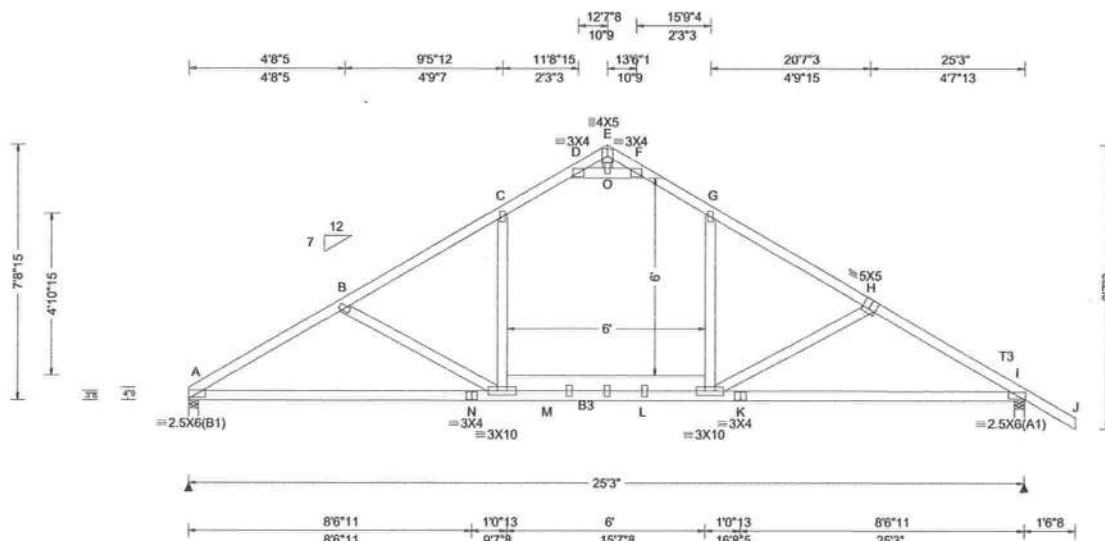
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29833 FROM:	COMN Qty: 6	Ply: 1 Qty: 6	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: A04	Cust: R 215 JRef: 1X922150005 T31 DrwNo: 266.21.1405.18770 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.224 O 999 240 VERT(CL): 0.616 N 485 180 HORZ(LL): 0.112 C - - HORZ(TL): 0.342 C - - Creep Factor: 2.0 Max TC CSI: 0.725 Max BC CSI: 0.851 Max Web CSI: 0.323 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 1146 /- /- /603 /171 /218 I 1258 /- /- /692 /199 /- Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 I Brg Width = 3.5 Min Req = 1.5 Bearings A & 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 361 -1884 E - F 573 -119 B - C 282 -1507 F - G 286 -1121 C - D 284 -1117 G - H 279 -1499 D - E 578 -121 H - I 349 -1855

Lumber

Top chord: 2x4 SP M-31; T3 2x4 SP #2;
Bot chord: 2x4 SP #2; B3 2x6 SP 2400F-2.0E;
Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Loading

Mechanical Unit Loads Supported by this Truss

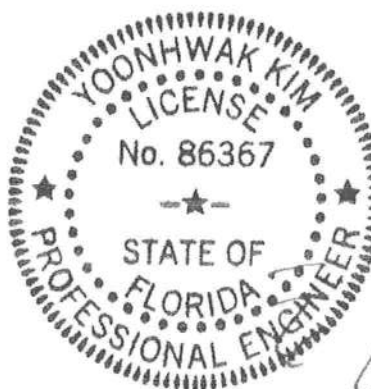
At	Truss	Unit	Unit	Supporting
X-Loc	Piece	Lbs.	Width	Trusses
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4
12.62	BC	400.0	0.00	4

Wind

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

Wind loading based on both gable and hip roof types.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - N 1588 -220		L - K 1551 -204	
N - M 1588 -220		K - L 1424 -157	
M - N 1421 -145		K - I 1551 -204	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - M 215 -531		O - F 521 -2052	
C - M 483 -24		L - G 458 -13	
D - O 521 -2052		L - H 195 -485	
E - O 633 -160			

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

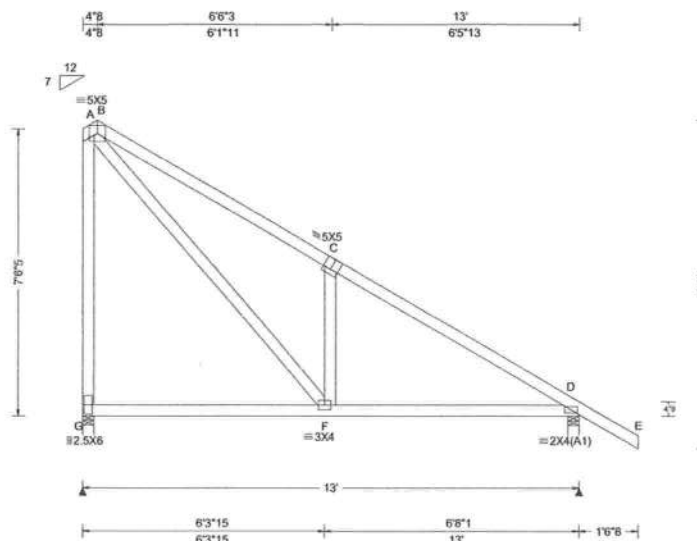
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29504 FROM:	SPEC Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: A05	Cust: R 215 JRef: 1X922150005 T27 DrwNo: 266.21.1405.20460 / YK 09/23/2021
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Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria		▲ Maximum Reactions (lbs)							
TCLL:	20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#		Gravity		Non-Gravity					
TCDL:	10.00	Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL): 0.018 C 999 240		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
BCLL:	0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.036 C 999 180		G	527	/-	/-	/378	/74	/206	
BCDL:	10.00	Risk Category: II	Snow Duration: NA			HORZ(LL): 0.007 A - -		D	659	/-	/-	/432	/-	/-	
		EXP: C Kzt: NA				HORZ(TL): 0.015 A - -		Wind reactions based on MWFRS							
Des Ld:	40.00	Mean Height: 15.00 ft	Building Code:			Creep Factor: 2.0		G		Brg Width = 3.5		Min Req = 1.5			
NCBCLL:	10.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.			Max TC CSI: 0.516		D		Brg Width = 3.5		Min Req = 1.5			
Soffit:	2.00	BCDL: 5.0 psf	TPI Std: 2014			Max BC CSI: 0.447		Bearings G & D are a rigid surface.							
Load Duration:	1.25	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes			Max Web CSI: 0.645		Members not listed have forces less than 375#							
Spacing:	24.0 "	C&C Dist a: 3.00 ft	FT/RT: 20(0)/10(0)					Maximum Top Chord Forces Per Ply (lbs)							
		Loc. from endwall: not in 9.00 ft	Plate Type(s):					Chords		Tens.Comp.		Chords		Tens. Comp.	
		GCpi: 0.18													
		Wind Duration: 1.60	WAVE			VIEW Ver: 21.01.01A.0521.20		B - C		223 -690		C - D		28 -687	

Lumber

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

Wind

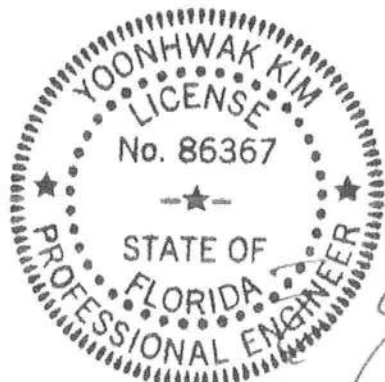
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
G - F	381 -117	F - D	519 0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
G - B	269 -478	F - C	350 -436
B - F	752 -363		



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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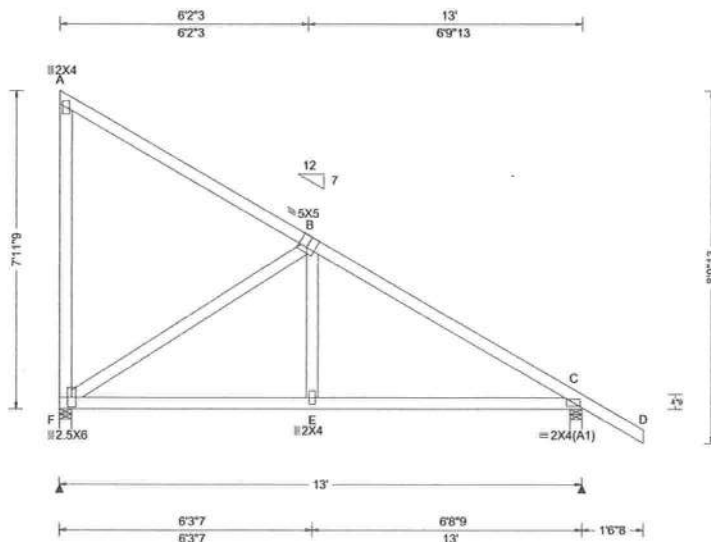
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29467 FROM:	MONO Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: A06	Cust: R 215 JRef: 1X922150005 T10 DrwNo: 266.21.1405.22067 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.010 E 999 240 VERT(CL): 0.020 E 999 180 HORZ(LL): 0.007 A - - HORZ(TL): 0.014 A - - Creep Factor: 2.0 Max TC CSI: 0.685 Max BC CSI: 0.541 Max Web CSI: 0.611 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity F 527 /- /- /389 /84 /218 C 659 /- /- /400 /- /- Wind reactions based on MWFRS F Brg Width = 3.5 Min Req = 1.5 C Brg Width = 3.5 Min Req = 1.5 Bearings F & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 7 -678

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
F - E	504 0	E - C	507 0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
F - B	302 -600

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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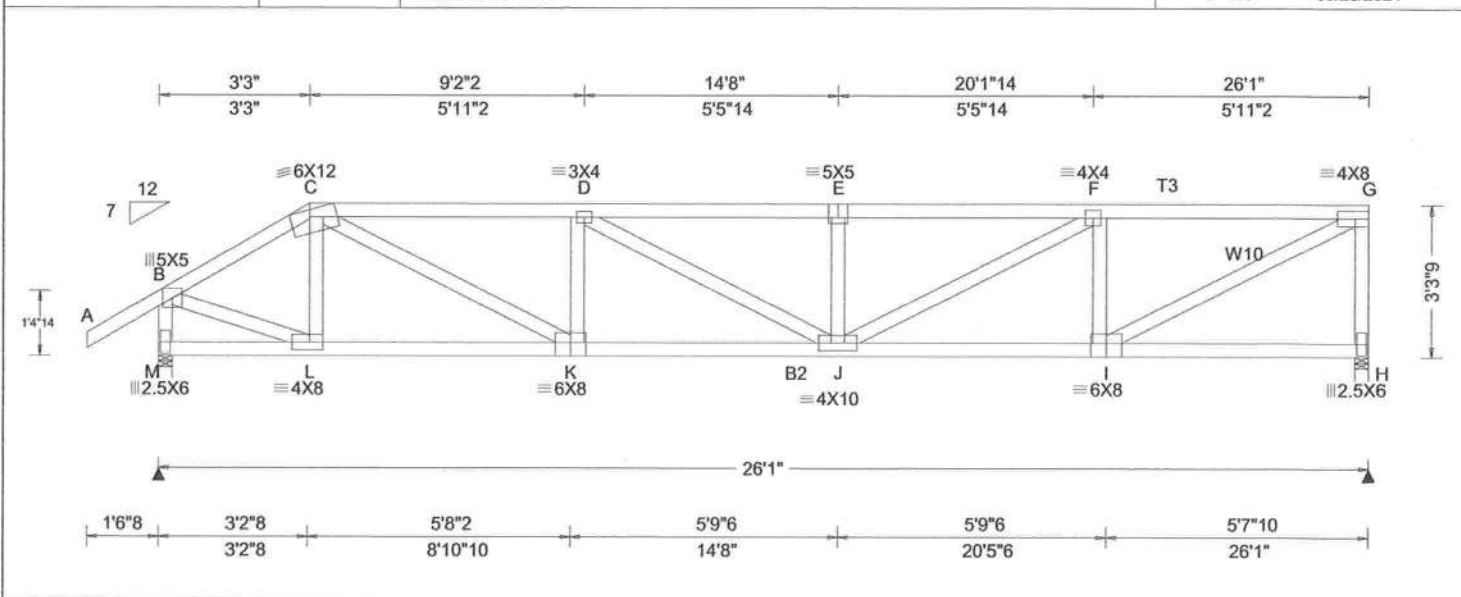
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29824 FROM:	HIPM Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B01	Cust: R 215 JRef: 1X922150005 T55 DrwNo: 266.21.1407.13907 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.203 E 999 240 VERT(CL): 0.410 E 764 180 HORZ(LL): 0.051 C - - HORZ(TL): 0.104 C - - Creep Factor: 2.0 Max TC CSI: 0.999 Max BC CSI: 0.782 Max Web CSI: 0.846 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity M 2136 /- /- /- /511 /- H 2016 /- /- /- /483 /- Wind reactions based on MWFRS M Brg Width = 3.5 Min Req = 2.5 H Brg Width = 3.5 Min Req = 2.4 Bearings M & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 588 -2483 E - F 1040 -4380 C - D 963 -4061 F - G 725 -3060 D - E 1040 -4380

Lumber

Top chord: 2x4 SP #2; T3 2x4 SP M-31;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3; W10 2x4 SP #2;

Special Loads

——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.54 to 63 plf at 3.25
TC: From 32 plf at 3.25 to 32 plf at 26.08
BC: From 5 plf at -1.54 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 3.31
BC: From 10 plf at 3.31 to 10 plf at 26.08
TC: 324 lb Conc. Load at 3.28
TC: 129 lb Conc. Load at 5.31, 7.31, 9.31, 11.31
13.31, 15.31, 17.31, 19.31, 21.31, 23.31, 25.31
BC: 90 lb Conc. Load at 3.31, 5.31, 7.31, 9.31
11.31, 13.31, 15.31, 17.31, 19.31, 21.31, 23.31, 25.31

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
L - K	2106 -496	J - I	3184 -770
K - J	4130 -994		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - M	520 -2129	J - F	1363 -308
B - L	2220 -524	E - J	241 -484
C - L	227 -455	F - I	461 -1281
C - K	2213 -529	I - G	3442 -816
K - D	319 -720	G - H	509 -1874

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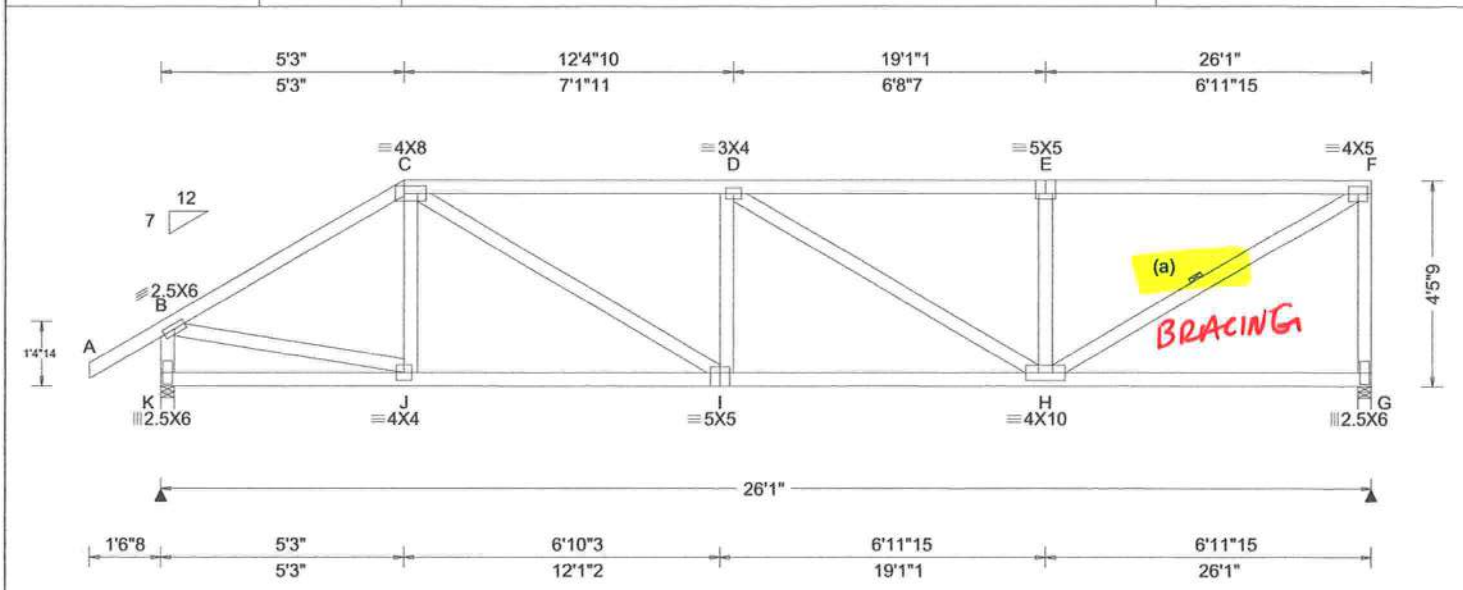
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29400 FROM:	HIPM Qty: 1	Ply: 1 Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B02	Cust: R 215 JRef: 1X922150005 T7 DrwNo: 266.21.1407.16517 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.076 D 999 240 VERT(CL): 0.156 D 999 180 HORZ(LL): 0.020 C - - HORZ(TL): 0.041 C - - Creep Factor: 2.0 Max TC CSI: 0.848 Max BC CSI: 0.667 Max Web CSI: 0.628 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL K 1192 - / - / 689 / 206 / 133 G 1081 - / - / 545 / 211 / - Wind reactions based on MWFRS K Brg Width = 3.5 Min Req = 1.5 G Brg Width = 3.5 Min Req = 1.5 Bearings K & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 700 - 1394 D - E 830 - 1415 C - D 1021 - 1734 E - F 830 - 1415 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. J - I 1139 - 655 I - H 1750 - 1041 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - K 573 - 1151 H - F 1648 - 967 B - J 1145 - 510 E - H 468 - 479 C - I 696 - 450 F - G 675 - 1025 D - H 271 - 394

Lumber

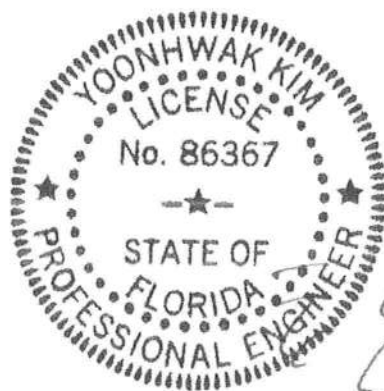
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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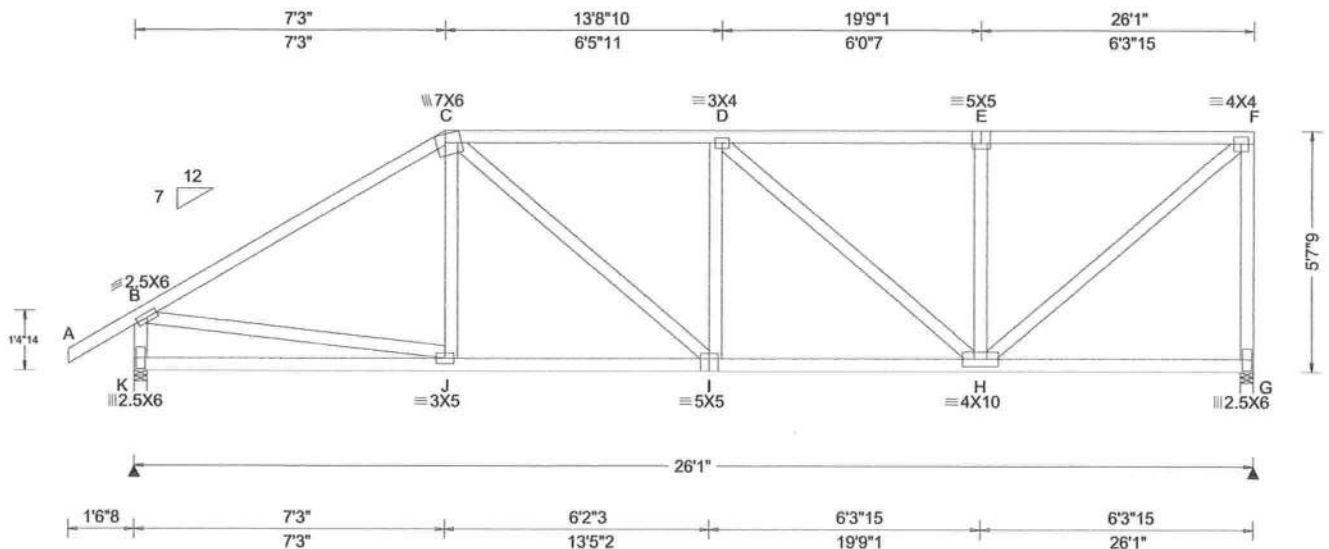
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29469 FROM:	HIPM Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B03	Cust: R 215 JRef: 1X922150005 T51 DrwNo: 266.21.1407.19157 / YK 09/23/2021
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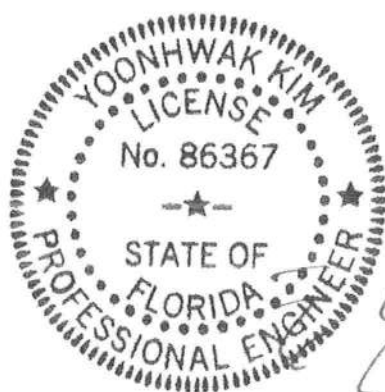
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	K	1192	/-	/-	/710	/196	/174
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.052 D 999 240	G	1081	/-	/-	/556	/218	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.107 D 999 180	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 H - -	K	Brg Width = 3.5			Min Req = 1.5		
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.026 H - -	G	Brg Width = 3.5			Min Req = 1.5		
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Bearings K & G are a rigid surface.						
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.707	Members not listed have forces less than 375#						
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.554	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.969	Chords	Tens.Comp.		Chords	Tens. Comp.		
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		B - C	638 - 1404		D - E	594 - 1029		
	Loc. from endwall: not in 9.00 ft	Plate Type(s):								
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20							
	Wind Duration: 1.60									

Lumber

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

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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

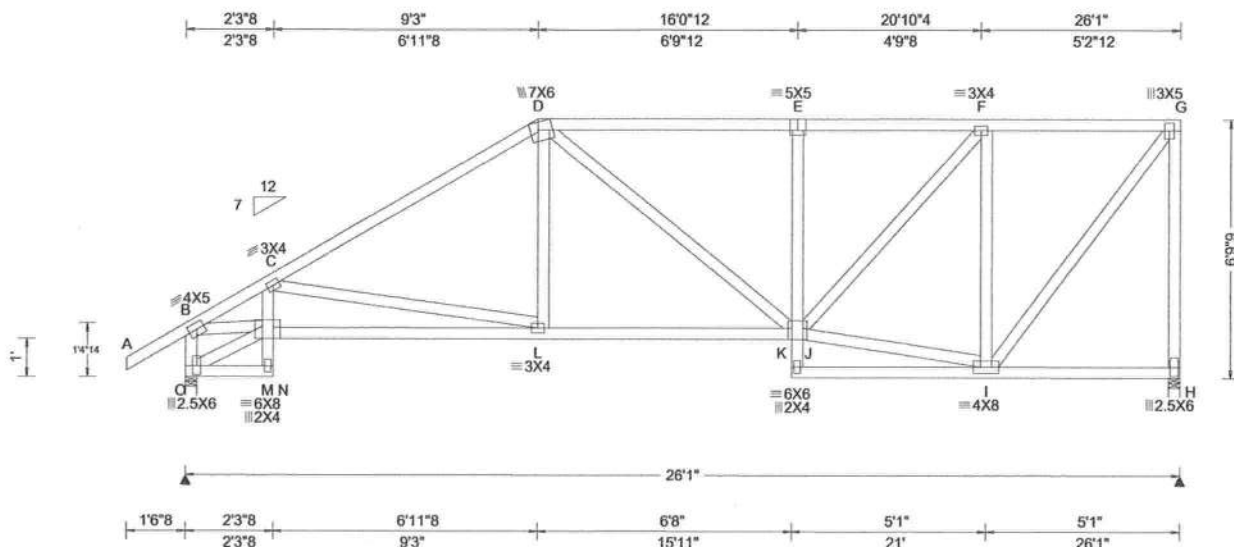
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29533 FROM:	HIPM Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B04	Cust: R 215 JRef: 1X922150005 T29 DrwNo: 266.21.1407.21550 / YK 09/23/2021
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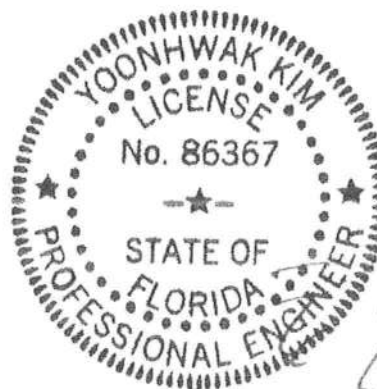
Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs)									
TCLL:	20.00	Wind Std:	ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/defl	L/#	Gravity			Non-Gravity					
TCDL:	10.00	Speed:	130 mph	Pf: NA		Ce: NA	VERT(LL):	0.064	L	999	240	Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL		
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL):	0.132	L	999	180	O	1192	/-	/-	/727	/185	/215	
BCDL:	10.00	Risk Category:	II	Snow Duration: NA				HORZ(LL):	0.052	I	-	-	H	1081	/-	/-	/569	/226	/-
		EXP: C	Kzt: NA					HORZ(TL):	0.107	I	-	-	Wind reactions based on MWFRS						
Des Ld:	40.00	Mean Height:	15.00 ft	Building Code:				Creep Factor:	2.0	O Brg Width = 3.5 Min Req = 1.5									
NCBCLL:	10.00	TCDL:	5.0 psf	FBC 7th Ed. 2020 Res.				Max TC CSI:	0.552	H Brg Width = 3.5 Min Req = 1.5									
Soffit:	2.00	BCDL:	5.0 psf	TPI Std: 2014				Max BC CSI:	0.740	Bearings O & H are a rigid surface.									
Load Duration:	1.25	MWFRS Parallel Dist:	h/2 to h	Rep Fac: Yes				Max Web CSI:	0.858	Members not listed have forces less than 375#									
Spacing:	24.0 "	C&C Dist a:	3.00 ft	FT/RT: 20(0)/10(0)				Maximum Top Chord Forces Per Ply (lbs)											
		Loc. from endwall:	not in 9.00 ft	Plate Type(s):				Chords Tens.Comp. Chords Tens. Comp.											
		GCpi:	0.18	WAVE				VIEW Ver: 21.01.01A.0521.20											
		Wind Duration:	1.60					B - C 996 -2155 E - F 737 -1271											

Lumber

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

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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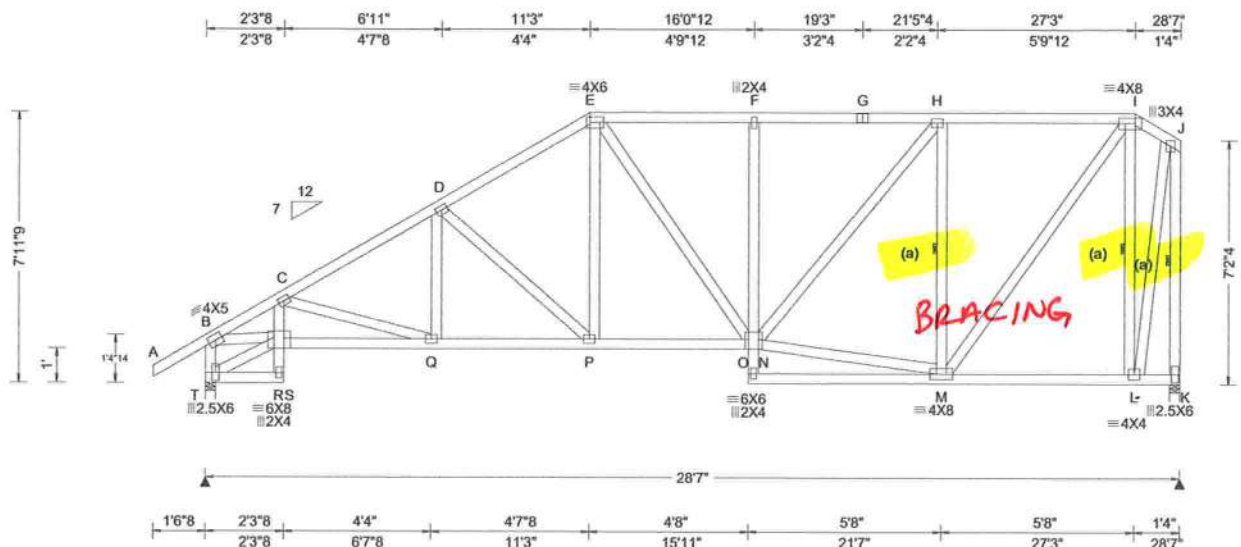
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29536	HIPS	Ply: 1	Job Number: 21-6101	Cust: R 215	JRef: 1X922150005	T75
FROM:		Qty: 1	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1407.24167		
			Truss Label: B05	/ YK	09/23/2021	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.075 F 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.155 F 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.050 L - -	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.104 L - -	
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.373	T Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.499	K Brg Width = 3.5 Min Req = 1.5
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.989	Bearings T & K are a rigid surface.
	C&C Dist a: 3.00 ft	FT/RT: 20(0)/10(0)		Members not listed have forces less than 375#
	Loc. from endwall: Any	Plate Type(s):	VIEW Ver: 21.01.01A.0521.20	Maximum Top Chord Forces Per Ply (lbs)
	GCpi: 0.18	WAVE		Chords Tens.Comp. Chords Tens. Comp.
	Wind Duration: 1.60			

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 3X4 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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
R - Q	1977 -1213	P - N	1231 -658
Q - P	1536 -827		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - T	669 -1242	N - M	854 -472
B - R	1929 -895	H - M	630 -902
C - Q	410 -451	M - I	1068 -588
D - P	237 -418	I - L	644 -1012
E - P	393 -90	L - J	1104 -598
N - H	676 -383	J - K	615 -1183

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

The diagram shows a roof truss system with the following dimensions and member labels:

- Top Chord Dimensions (Left to Right):** 2'3" (2'3"), 7'11" (5'8"), 13'3" (5'4"), 16'0" (2'9" 12"), 20'5" (4'4" 8"), 25'3" (4'9" 12"), 28'7" (3'4").
- Left Vertical Dimension:** 9'11'9".
- Right Vertical Dimension:** 7'2'4".
- Bottom Chord Dimensions (Left to Right):** 1'6" (8"), 2'3" (2'3" 8"), 5'4" (7'7" 8"), 5'7" (13'3"), 2'8" (15'11"), 4'8" (20'7"), 4'8" (25'3"), 3'4" (28'7").
- Truss Members and Labels:**
 - Top Chord: E, F, G, H, I
 - Bottom Chord: A, B, C, D, P, O, M, N, L, K, J
 - Vertical Members: S, Q, R, P, O, M, N, L, K, J
 - Diagonal Members: C, D, E, F, G, H, I
 - Labels: 4X5, 5X5, 2.5X6, 6X8, 2X4, 4X6, 2X4, 5X6, 3X4, 2X8, 4X8, 2.5X6
- Notes:**
 - BRACING (written in red)
 - (a) (written in yellow)

A circular professional engineer seal for the State of Florida. The outer ring contains the text "Yoonhwak Kim" at the top and "Professional Engineer" at the bottom, separated by two stars. The inner circle contains the word "LICENSE" at the top, the license number "No. 86367" in the center, and the words "STATE OF FLORIDA" at the bottom, also separated by two stars. The seal is stamped in black ink on a white background.

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6750 Forum Drive
 Suite 305
 Orlando FL, 32821

The drawing shows a roof truss system with the following details:

- Members:**
 - Top chord: 2X4 (D), 4X5 (E, F), 7X6 (G), 3X4 (H)
 - Bottom chord: 2.5X6 (P), 6X8 (N), 6X8 (O), 8X14 (L), 2X4 (K), 4X8 (J), 2.5X6 (I)
 - Verticals: 3X4 (M), 3X4 (D)
 - Diagonals: 5X5 (C), 4X5 (B), 4X5 (A), 3X4 (D), 4X5 (E), 7X6 (G), 3X4 (H)
- Connections:**
 - Welded connections (indicated by double lines) at joints C, D, E, F, G, H, J, K, L, M, N, O, P.
 - Bolts (indicated by circles with dots) at joints A, B, I, and the base of the columns.
- Dimensions:**
 - Overall height: 10'3"9"
 - Overall width: 28'7"
 - Horizontal dimensions (top): 2'3" (2'3"), 8'11" (6'8"), 15'3" (6'4"), 2'3" (8"), 28'7" (5'4")
 - Horizontal dimensions (bottom): 1'6"8" (2'3"8"), 2'3"8" (2'3"8"), 6'4" (8'7"8"), 7'3"8" (15'11"), 7'2"4" (23'1"4"), 5'5"12" (28'7")
 - Vertical dimensions (left): 1'4"14", 1'4"14"
 - Vertical dimensions (right): 7'2"4"
- Notes:**
 - A slope triangle is shown with a vertical side of 12 and a horizontal side of 7.
 - The word "BRACING" is written in red in the center of the truss.
 - Yellow highlights are present on the diagonal members C, D, E, G, and H.

[illegible]

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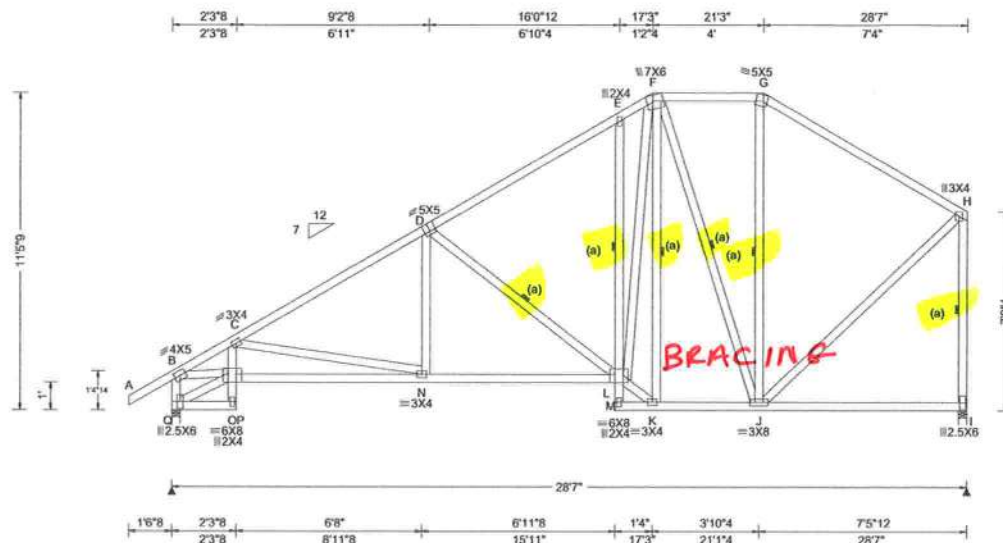
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6750 Forum Drive
 Suite 305
 Orlando FL, 32821

SEQN: 29545 FROM:	HIPS Qty: 1	Ply: 1 Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B08	Cust: R 215 JRef: 1X922150005 T81 DrwNo: 266.21.1407.30667 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCDL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.080 N 999 240 VERT(CL): 0.164 N 999 180 HORZ(LL): 0.070 J - - HORZ(TL): 0.144 J - - Creep Factor: 2.0 Max TC CSI: 0.912 Max BC CSI: 0.760 Max Web CSI: 0.987 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL Q 1296 /- /- /803 /35 /276 I 1186 /- /- /646 /47 /- Wind reactions based on MWFRS Q Brg Width = 3.5 Min Req = 1.5 I Brg Width = 3.5 Min Req = 1.5 Bearings Q & 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 749 -2355 E - F 502 -1118 C - D 430 -1755 F - G 324 -616 D - E 398 -1172 G - H 295 -813

Lumber

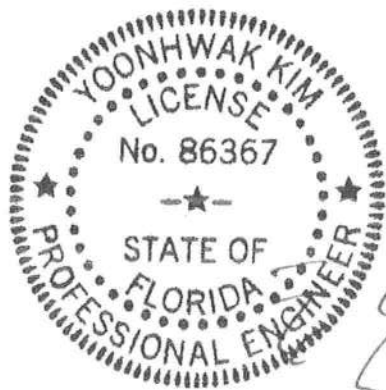
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
O - N	2066 -856	K - J	733 -208
N - L	1423 -453		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
B - Q	441 -1240	L - K	960 -258
B - O	2019 -602	F - K	159 -561
C - N	412 -647	J - H	838 -231
D - L	236 -647	H - I	366 -1122
L - F	1437 -471		

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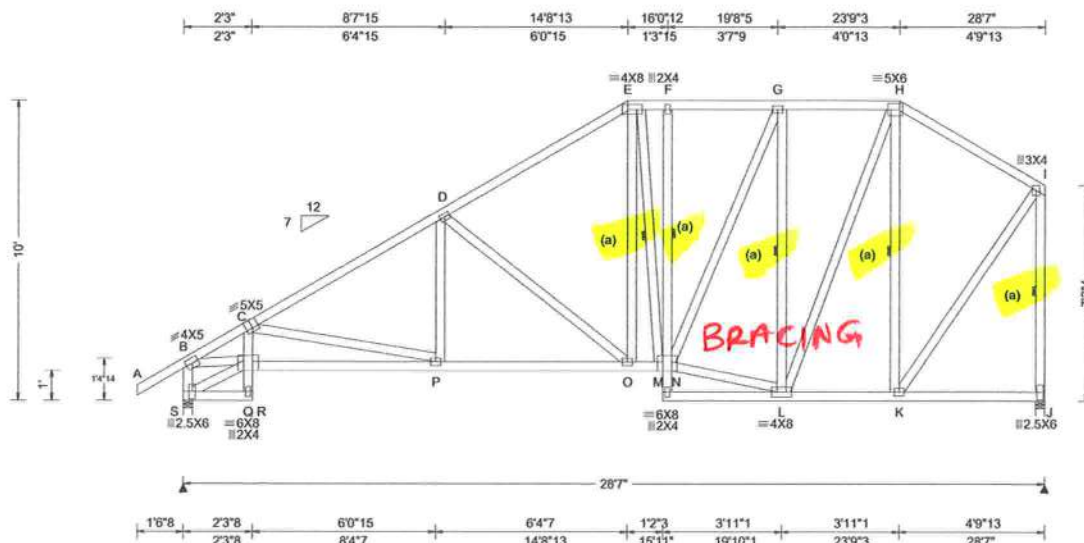
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29548 FROM:	SPEC	Ply: 1 Qty: 2	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B09	Cust: R 215 JRef: 1X922150005 T76 DrwNo: 266.21.1407.33123 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.076 P 999 240 VERT(CL): 0.152 P 999 180 HORZ(LL): 0.057 K - - HORZ(TL): 0.113 K - - Creep Factor: 2.0 Max TC CSI: 0.507 Max BC CSI: 0.642 Max Web CSI: 0.769 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL S 1313 -/- /- /805 /67 /238 J 1250 -/- /- /630 /103 -/ Wind reactions based on MWFRS S Brg Width = 3.5 Min Req = 1.5 J Brg Width = 3.5 Min Req = 1.5 Bearings S & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 848 -2364 F - G 496 -1008 C - D 548 -1813 G - H 415 -786 D - E 513 -1289 H - I 295 -691 E - F 497 -1010

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 3X4 except as noted.

Loading

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

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
Q - P	2067 -939	O - M	1023 -391
P - O	1480 -562	L - K	540 -200

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - S	496 -1257	M - L	814 -327
B - Q	2018 -681	G - L	416 -735
C - P	386 -590	L - H	653 -302
D - O	229 -599	H - K	334 -610
E - O	415 -50	K - I	941 -348
M - G	540 -192	I - J	473 -1214

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

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

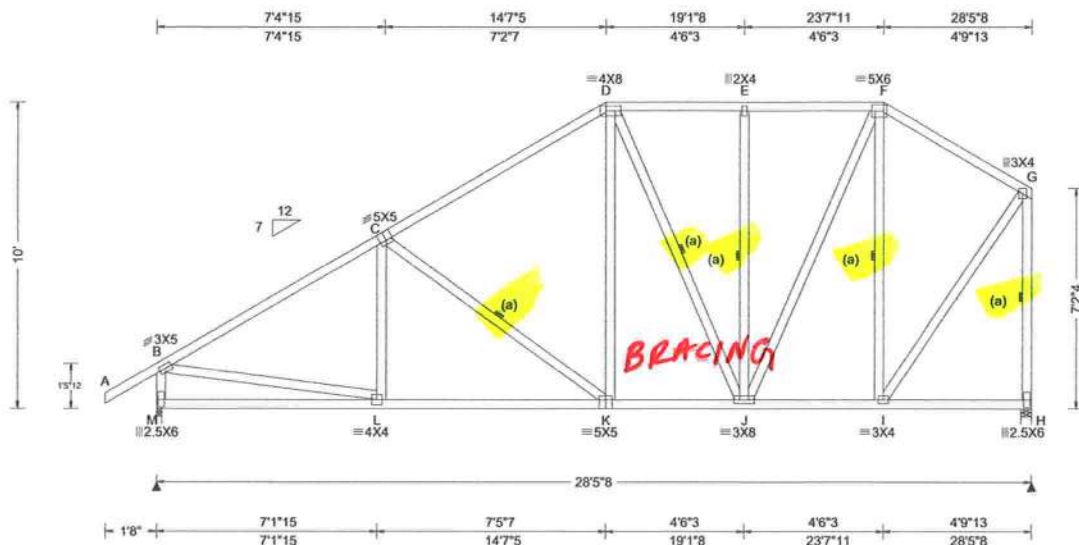
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinet.org; SBCEA: sbceacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29453 FROM:	SPEC	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B10	Cust: R 215 JRef: 1X922150005 T79 DrwNo: 266.21.1407.39463 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.045 K 999 240 VERT(CL): 0.093 K 999 180 HORZ(LL): 0.013 C - - HORZ(TL): 0.027 C - - Creep Factor: 2.0 Max TC CSI: 0.663 Max BC CSI: 0.627 Max Web CSI: 0.646 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL M 1296 /- /- /806 /66 /237 H 1179 /- /- /627 /103 /- Wind reactions based on MWFRS M Brg Width = 2.0 Min Req = 1.5 H Brg Width = 4.0 Min Req = 1.5 Bearings M & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 418 -1539 E - F 428 -771 C - D 458 -1152 F - G 295 -648 D - E 429 -771

Lumber

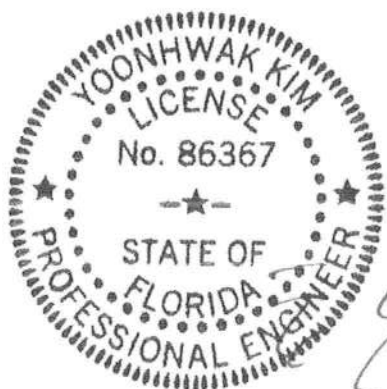
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
L - K	1240 -487	J - I	504 -200
K - J	886 -348		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - M	391 -1236	J - F	630 -300
B - L	1199 -224	F - I	338 -609
C - K	174 -445	I - G	879 -349
D - K	449 -46	G - H	472 -1141

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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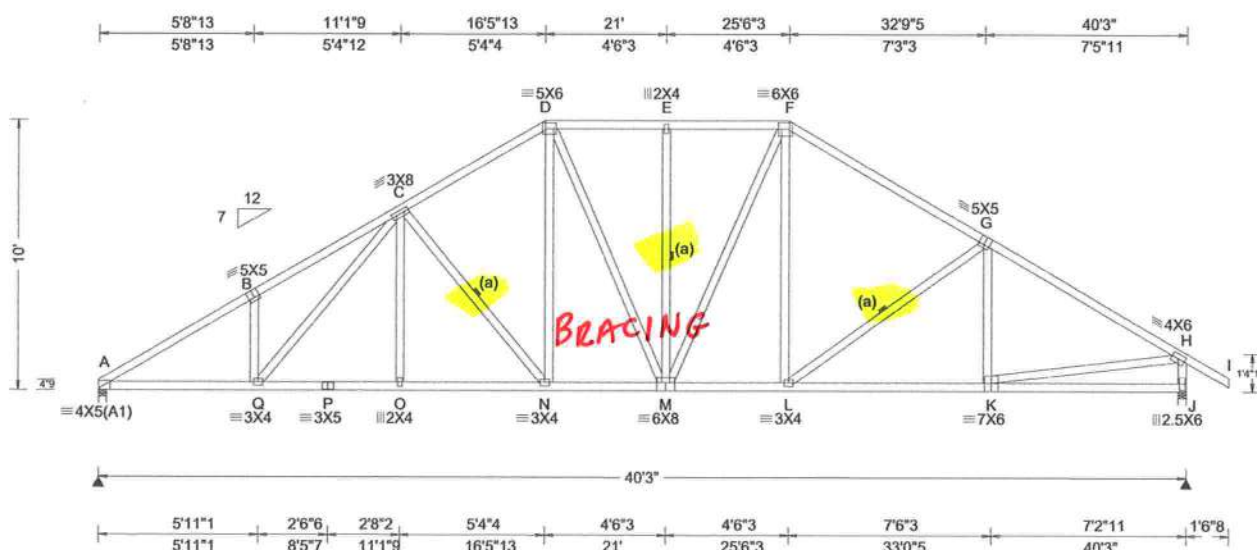
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29551 FROM:	SPEC Qty: 1	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B11	Cust: R 215 JRef: 1X922150005 T38 DrwNo: 266.21.1407.42967 / YK 09/23/2021
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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 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.02 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 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT: 20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.129 N 999 240
VERT(CL): 0.265 N 999 180
HORZ(LL): 0.051 J - -
HORZ(TL): 0.106 J - -
Creep Factor: 2.0
Max TC CSI: 0.911
Max BC CSI: 0.775
Max Web CSI: 0.710
VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs)					
Loc	Gravity		Non-Gravity		
	R+	/R-	/Rh	/Rw	/U /RL
A	1677	-	-	/1003	- /288
J	1770	-	-	/1050	- /-
Wind reactions based on MWFRS					
A	Brg Width = 3.5		Min Req = 2.0		
J	Brg Width = 3.5		Min Req = 2.1		
Bearings A & 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	218	-2840	E - F	157	-1724
B - C	339	-2804	F - G	166	-2004
C - D	182	-2033	G - H	165	-2320
D - E	157	-1724			

Lumber

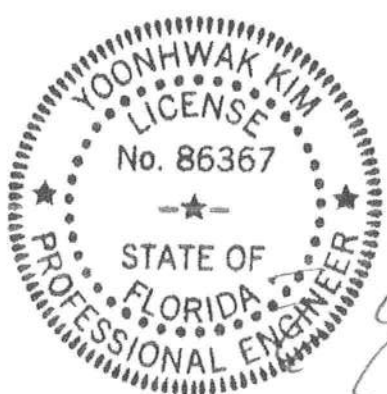
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

Maximum Bot Chord Forces Per Ply (lbs)					
Chords		Tens.Comp.	Chords		Tens. Comp.
A - Q	2373	-135	N - M	1676	0
Q - P	2060	-2	M - L	1621	0
P - O	2060	-2	L - K	1918	-24
O - N	2061	-2			

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - C	474	-193	F - L	417	-69
C - N	217	-602	K - H	1864	-2
D - N	561	-114	H - J	221	-1707

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

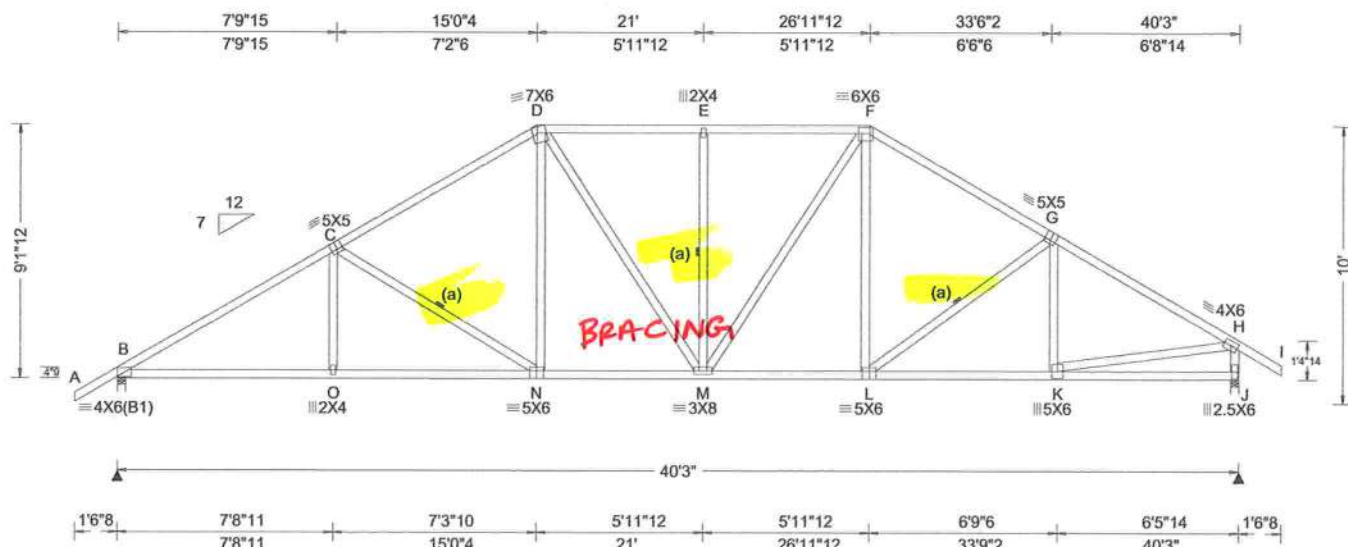
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29554 FROM:	COMN Qty: 4	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B12	Cust: R 215 JRef: 1X922150005 T44 DrwNo: 266.21.1407.46460 / YK 09/23/2021
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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 7-16
Speed:	130 mph
Enclosure:	Closed
Risk Category:	II
EXP: C	Kzt: NA
Mean Height:	15.00 ft
TCDL:	5.0 psf
BCDL:	5.0 psf
MWFRS Parallel Dist:	> 2h
C&C Dist a:	4.02 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
Pf: NA	Ce: NA
Lu: NA	Cs: NA
Snow Duration: NA	
Building Code:	
FBC 7th Ed. 2020 Res.	
TPI Std: 2014	
Rep Fac: Yes	
FT/RT: 20(0)/10(0)	
Plate Type(s):	
WAVE	

Defl/CSI Criteria	
PP Deflection in	loc L/defl L/#
VERT(LL):	0.152 E 999 240
VERT(CL):	0.292 E 999 180
HORZ(LL):	0.063 J - -
HORZ(TL):	0.121 J - -
Creep Factor: 2.0	
Max TC CSI: 0.763	
Max BC CSI: 0.746	
Max Web CSI: 0.777	
VIEW Ver: 21.01.01A.0521.20	

▲ Maximum Reactions (lbs)						
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1900	/-	/-	/1092	/-	/283
J	1900	/-	/-	/1051	/-	/-
Wind reactions based on MWFRS						
B	Brg Width = 3.5			Min Req = 2.2		
J	Brg Width = 3.5			Min Req = 2.2		
Bearings B & 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	98 - 2989		E - F		40 - 2130	
C - D	67 - 2424		F - G		64 - 2299	
D - E	40 - 2130		G - H		71 - 2491	

Lumber

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

Bracing

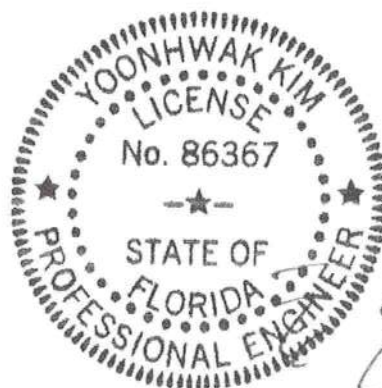
(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.		Chords	Tens. Comp.	
B - O	2479	0	M - L	1889	0
O - N	2477	0	L - K	2077	0
N - M	1989	0			
Maximum Web Forces Per Ply (lbs)					
Webs	Tens.Comp.		Webs	Tens. Comp.	
C - N	235	-579	F - L	376	-63
D - N	537	-58	K - H	2040	0
M - F	430	-21	H - J	160	-1841

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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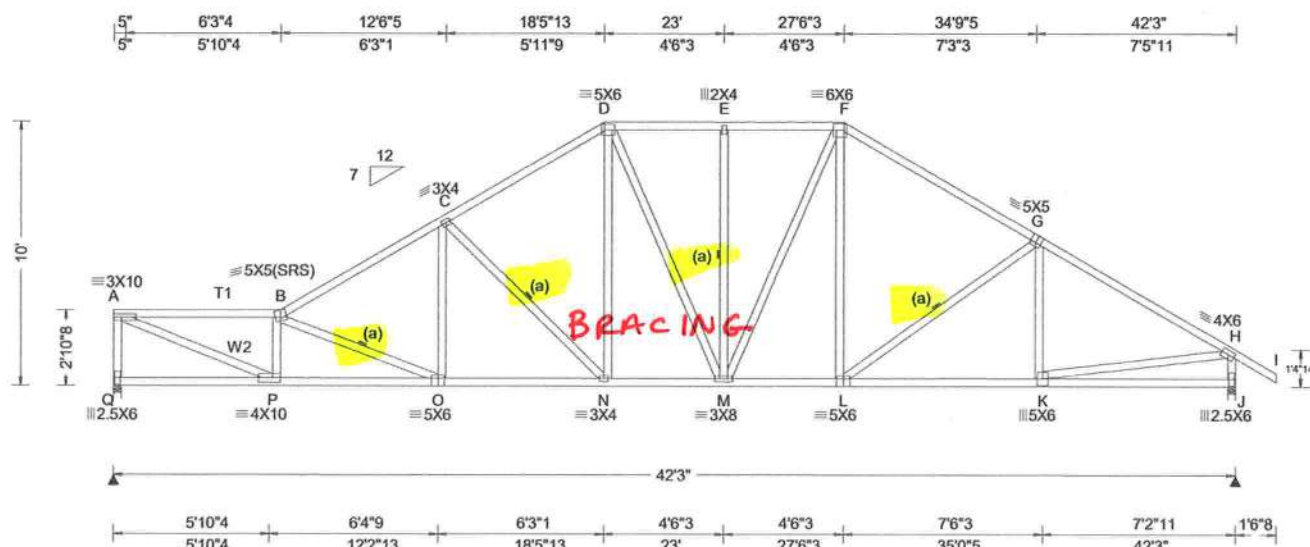
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29841 FROM:	COMN Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B13	Cust: R 215 JRef: 1X922150005 T53 DrwNo: 266.21.1407.49250 / YK 09/23/2021
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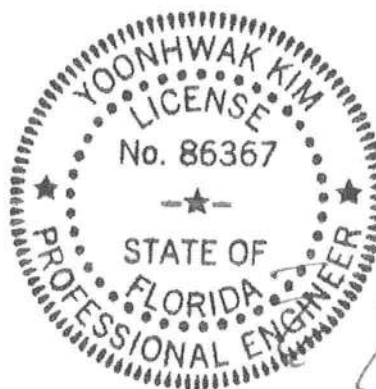
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.207 O 999 240 VERT(CL): 0.428 O 999 180 HORZ(LL): 0.057 J - - HORZ(TL): 0.117 J - - Creep Factor: 2.0 Max TC CSI: 0.970 Max BC CSI: 0.906 Max Web CSI: 0.866 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL Q 1754 /- /- /959 /51 /249 J 1859 /- /- /1096 /34 /- Wind reactions based on MWFRS Q Brg Width = 3.5 Min Req = 2.1 J Brg Width = 3.5 Min Req = 2.2 Bearings Q & 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 1035 -3544 E - F 751 -1900 B - C 895 -3056 F - G 737 -2161 C - D 794 -2301 G - H 672 -2461 D - E 751 -1900

Lumber
Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W2 2x4 SP #2;

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

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

Deflection
Max JT VERT DEFL: LL: 0.21" DL: 0.23". See detail DEFLCMB1014 for camber recommendations.
Provide for adequate drainage of roof.

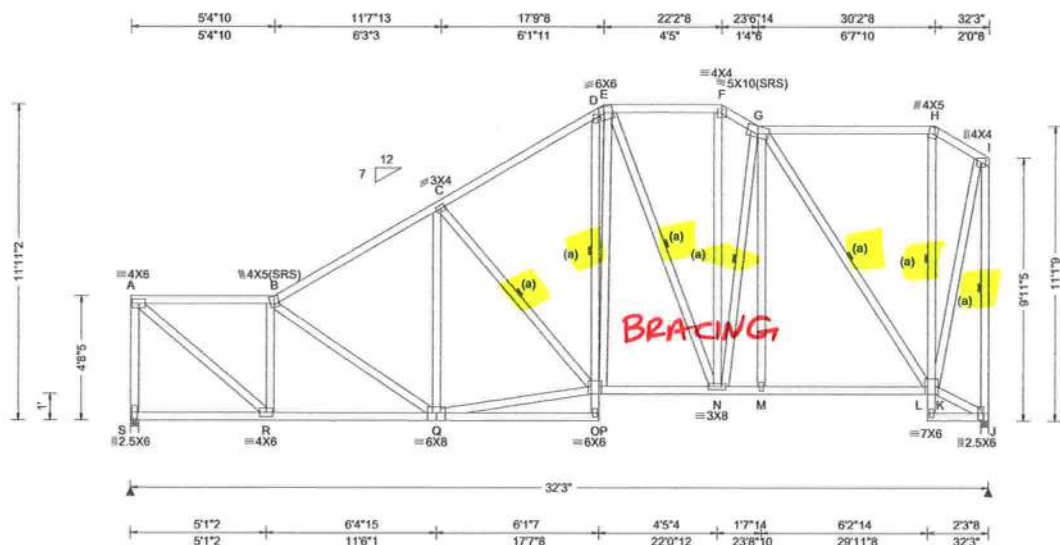


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29608 FROM:	COMN Qty: 1	Ply: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B21	Cust: R 215 JRef: 1X922150005 T56 DrwNo: 266.21.1407.51597 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.31 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.22 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.070 D 999 240 VERT(CL): 0.146 D 999 180 HORZ(LL): 0.036 J - - HORZ(TL): 0.075 J - - Creep Factor: 2.0 Max TC CSI: 0.489 Max BC CSI: 0.509 Max Web CSI: 0.849 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL S 1341 /- /- /749 /61 /192 J 1341 /- /- /735 /179 /- Wind reactions based on MWFRS S Brg Width = 3.5 Min Req = 1.6 J Brg Width = 3.5 Min Req = 1.6 Bearings S & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 400 -1347 D - E 560 -1172 B - C 468 -1578 E - F 447 -887 C - D 524 -1322 F - G 536 -1078

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

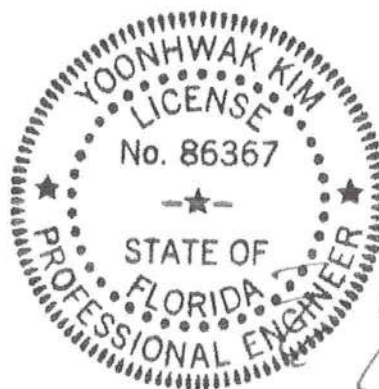
All plates are 2X4 except as noted.

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

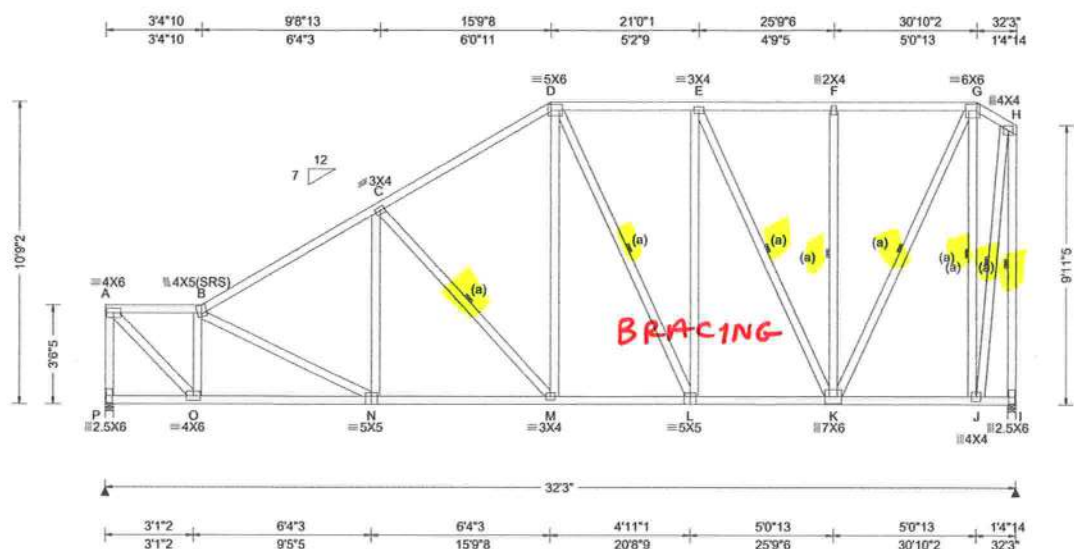


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29611 FROM:	COMN	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B22	Cust: R 215 JRef: 1X922150005 T83 DrwNo: 266.21.1407.56990 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg.Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.14 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.22 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.071 M 999 240 VERT(CL): 0.147 M 999 180 HORZ(LL): 0.024 C - - HORZ(TL): 0.051 C - - Creep Factor: 2.0 Max TC CSI: 0.464 Max BC CSI: 0.492 Max Web CSI: 0.667 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL P 1341 - / - / 773 / 78 / 189 I 1341 - / - / 729 / 216 - Wind reactions based on MWFRS P Brg Width = 3.5 Min Req = 1.6 I Brg Width = 3.5 Min Req = 1.6 Bearings P & 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 348 -1200 D - E 486 -960 B - C 502 -1670 E - F 359 -681 C - D 528 -1324 F - G 359 -681

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



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09/23/2021

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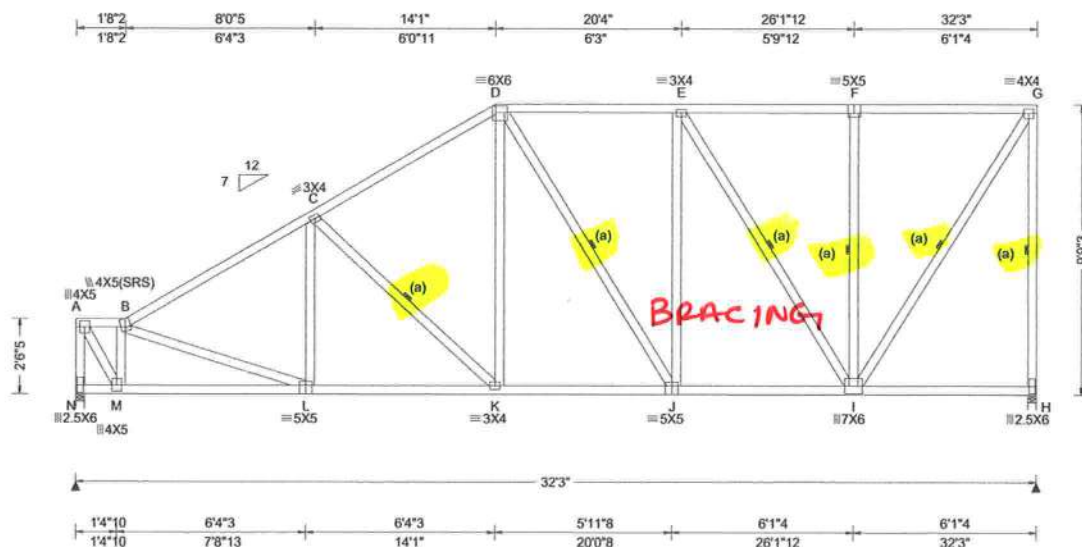
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSi (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSi.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

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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29486 FROM:	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B23	Cust: R215 JRef: 1X922150005 T43 DrwNo: 266.21.1407.59183 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)							
					Gravity			Non-Gravity			
					Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
					N	1341	/-	/-	/791	/64	/186
					H	1341	/-	/-	/727	/236	/-
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Wind reactions based on MWFRS							
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.060 K 999 240	N	Brg Width = 3.5			Min Req = 1.6			
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.125 K 999 180	H	Brg Width = 3.5			Min Req = 1.6			
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.023 H - -	Bearings N & H are a rigid surface.							
	EXP: C Kzt: NA		HORZ(TL): 0.047 H - -	Members not listed have forces less than 375#							
Des Ld: 40.00	Mean Height: 15.15 ft	Building Code:	Creep Factor: 2.0	Maximum Top Chord Forces Per Ply (lbs)							
NCBCLL: 10.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.544	Chords	Tens.Comp.		Chords	Tens. Comp.			
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.488	A - B	235 -853		D - E	534 -1094			
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.616								
Spacing: 24.0 "	C&C Dist a: 3.22 ft	FT/RT:20(0)/10(0)									
	Loc. from endwall: not in 9.00 ft	Plate Type(s):									
	GCpi: 0.18	WAVE									
	Wind Duration: 1.60		VIEW Ver: 21.01.01A.0521.20								

Lumber

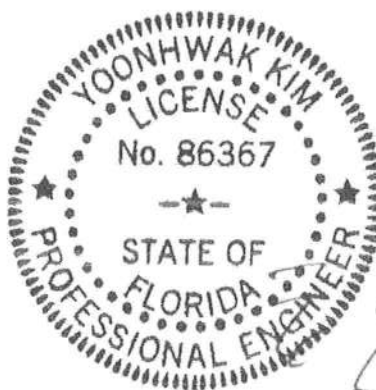
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

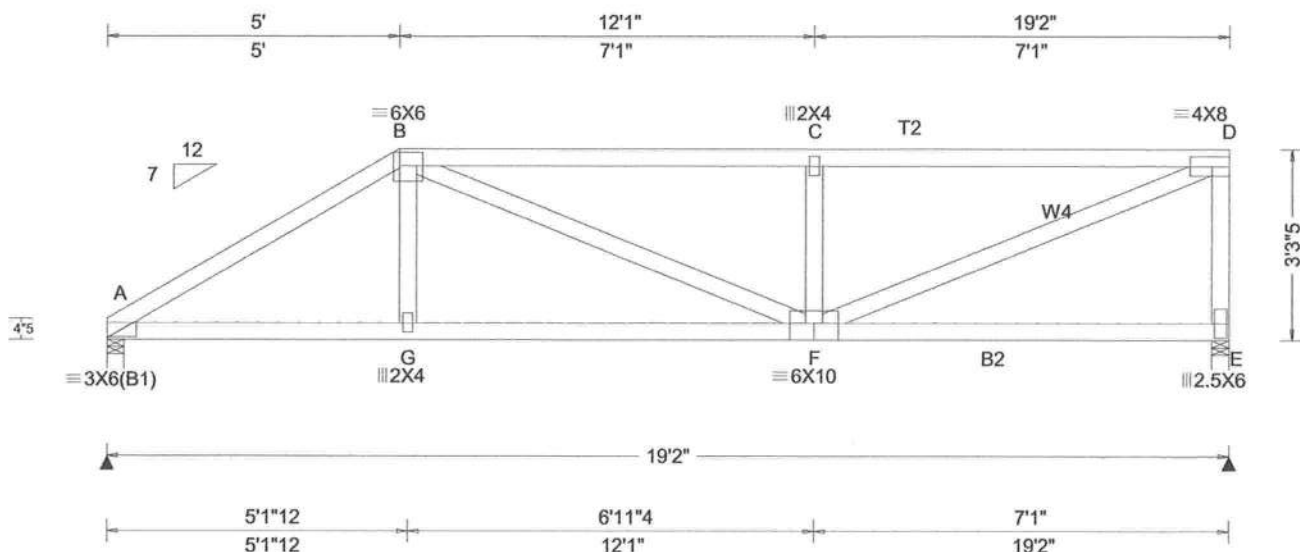


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29765 FROM:	HIPM Qty: 1	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: C01	Cust: R 215 JRef: 1X922150005 T33 DrwNo: 266.21.1408.05220 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.085 C 999 240 VERT(CL): 0.172 C 999 180 HORZ(LL): 0.022 B - - HORZ(TL): 0.044 B - - Creep Factor: 2.0 Max TC CSI: 0.488 Max BC CSI: 0.652 Max Web CSI: 0.618 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 1464 - / - / - / 308 - E 1592 - / - / - / 374 - Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 E Brg Width = 3.5 Min Req = 1.9 Bearings A & E Fcperp = 565psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 557 -2527 C - D 592 -2554 B - C 593 -2555

Lumber

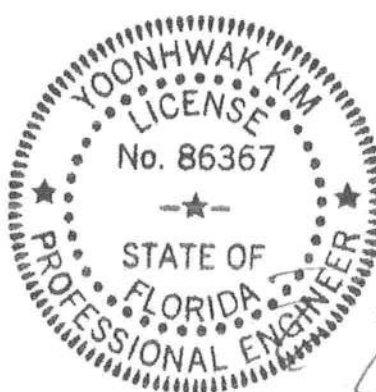
Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B2 2x4 SP #2;
Webs: 2x4 SP #3; W4 2x4 SP #2;

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 5.00
TC: From 32 plf at 5.00 to 32 plf at 19.17
BC: From 20 plf at 0.00 to 20 plf at 5.03
BC: From 10 plf at 5.03 to 10 plf at 19.17
TC: 342 lb Conc. Load at 5.03
TC: 129 lb Conc. Load at 7.06, 9.06, 11.06, 13.06, 15.06, 17.06, 18.69
BC: 174 lb Conc. Load at 5.03
BC: 90 lb Conc. Load at 7.06, 9.06, 11.06, 13.06, 15.06, 17.06, 18.69

Wind

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



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09/23/2021

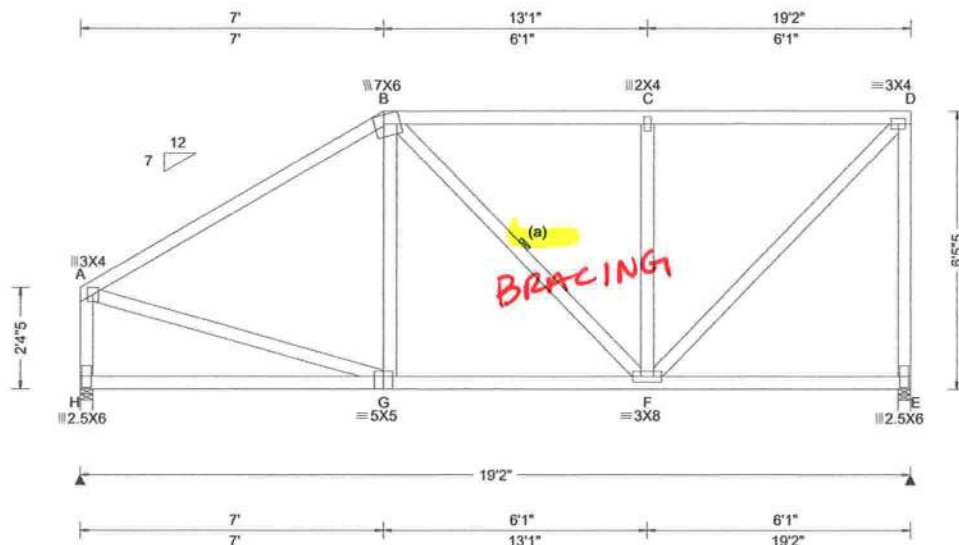
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29617 FROM:	HIPM Qty: 1	Ply: 1 Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: C02	Cust: R 215 JRef: 1X922150005 T30 DrwNo: 266.21.1408.09243 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.019 C 999 240 VERT(CL): 0.040 C 999 180 HORZ(LL): 0.004 B - - HORZ(TL): 0.009 B - - Creep Factor: 2.0 Max TC CSI: 0.716 Max BC CSI: 0.425 Max Web CSI: 0.801 VIEW Ver: 21.01.01A.0521.20	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity H 797 /- /- /469 /105 /143 E 797 /- /- /424 /176 /- Wind reactions based on MWFRS H Brg Width = 3.5 Min Req = 1.5 E Brg Width = 3.5 Min Req = 1.5 Bearings H & 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. A - B 386 -828 C - D 412 -585 B - C 412 -586

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

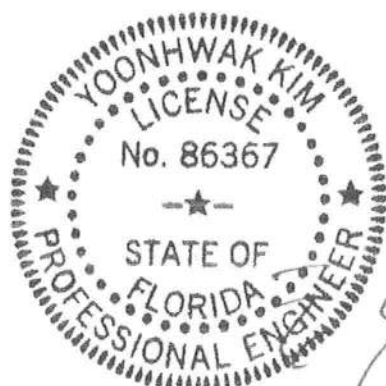
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.
G - F	629 -400

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - H	324 -736	F - D	832 -586
A - G	616 -250	D - E	589 -747
C - F	500 -417		



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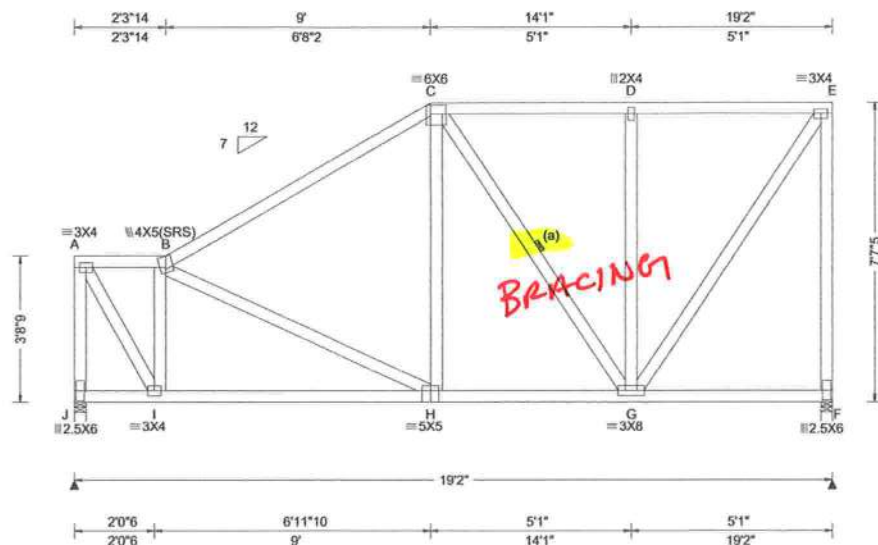
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29418 FROM:	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: C03	Cust: R 215 JRef: 1X922150005 T14 DrwNo: 266.21.1408.12543 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.018 H 999 240 VERT(CL): 0.038 H 999 180 HORZ(LL): 0.007 A - - HORZ(TL): 0.014 A - - Creep Factor: 2.0 Max TC CSI: 0.487 Max BC CSI: 0.378 Max Web CSI: 0.783 VIEW Ver: 21.01.01A.0521.20	Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity J 797 /- /- /450 /100 /136 F 797 /- /- /438 /182 /- Wind reactions based on MWFRS J Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings J & 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. A - B 170 -478 C - D 294 -434 B - C 319 -747 D - E 293 -433

Lumber

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

Bracing

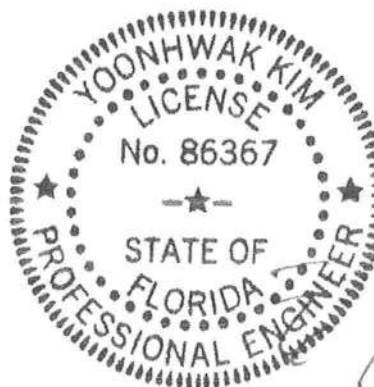
(a) Continuous lateral restraint equally spaced on member.

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
I - H	536 -341	H - G	555 -333

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - J	328 -805	D - G	426 -344
A - I	935 -330	G - E	759 -514
I - B	352 -689	E - F	569 -754

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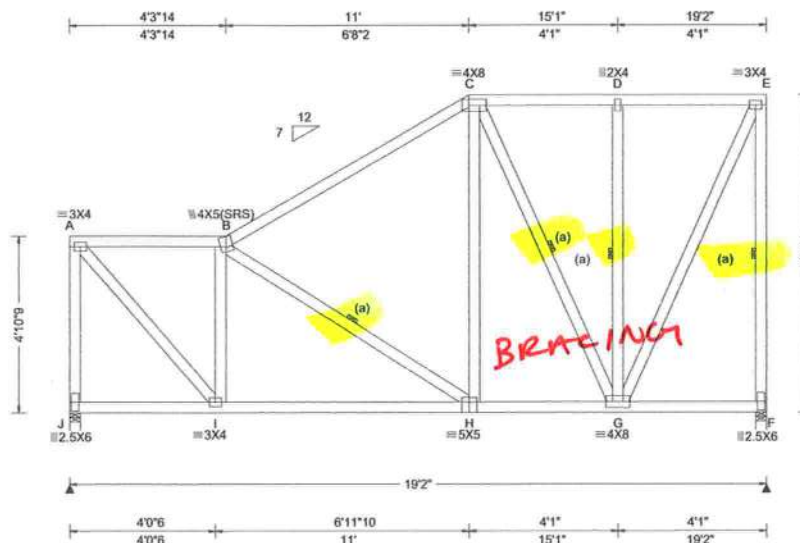
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29395 FROM:	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: C04	Cust: R 215 JRef: 1X922150005 T8 DrwNo: 266.21.1408.14767 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.83 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.020 H 999 240 VERT(CL): 0.042 H 999 180 HORZ(LL): 0.008 A - - HORZ(TL): 0.017 A - - Creep Factor: 2.0 Max TC CSI: 0.465 Max BC CSI: 0.401 Max Web CSI: 0.792 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 797 /- /- /437 /93 /137 F 797 /- /- /452 /190 /- Wind reactions based on MWFRS J Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings J & 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. A - B 222 -597 B - C 252 -649

Lumber

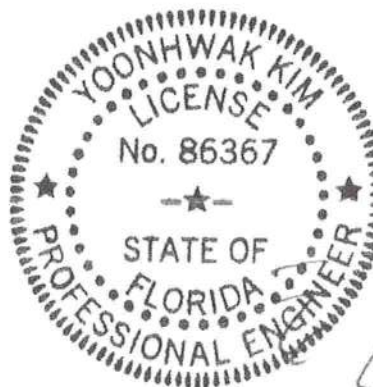
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
I - H	632 -385	H - G	468 -275

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
A - J	381 -772	G - E	724 -479
A - I	905 -335	E - F	555 -761
I - B	319 -554		

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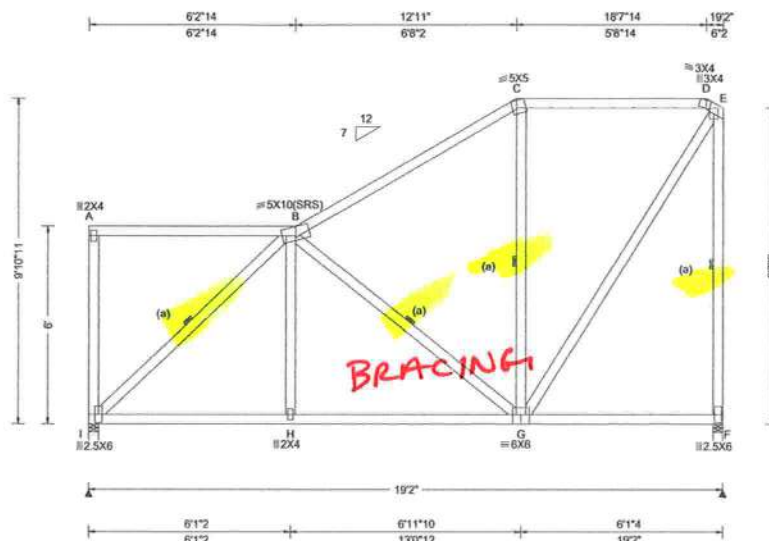
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29464 FROM:	SPEC Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: C05	Cust: R 215 JRef: 1X922150005 T47 DrwNo: 266.21.1408.17813 / YK 09/23/2021
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Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs)						
TCLL: 20.00		Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#			Gravity						
TCDL: 10.00		Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL): 0.017 H 999 240			Loc	R+	/R-	/Rh	Non-Gravity		
BCLL: 0.00		Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.032 H 999 180							/Rw	/U	/RL
BCDL: 10.00		Risk Category: II	Snow Duration: NA			HORZ(LL): 0.007 A - -			I	797	/-	/-	/422	/91	/128
		EXP: C Kzt: NA				HORZ(TL): 0.014 A - -			F	797	/-	/-	/464	/189	/-
Des Ld: 40.00		Mean Height: 16.95 ft	Building Code:			Creep Factor: 2.0			Wind reactions based on MWFRS						
NCBCLL: 10.00		TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.			Max TC CSI: 0.755			I	Brg Width = 3.5			Min Req = 1.5		
Soffit: 2.00		BCDL: 5.0 psf	TPI Std: 2014			Max BC CSI: 0.517			F	Brg Width = 3.5			Min Req = 1.5		
Load Duration: 1.25		MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes			Max Web CSI: 0.931			Bearings I & F are a rigid surface.						
Spacing: 24.0 "		C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)						Members not listed have forces less than 375#						
		Loc. from endwall: not in 9.00 ft	Plate Type(s):						Maximum Top Chord Forces Per Ply (lbs)						
		GCpi: 0.18	WAVE			VIEW Ver: 21.01.01A.0521.20			Chords	Tens.	Comp.	Chords	Tens.	Comp.	
		Wind Duration: 1.60							B - C	184	-529	D - E	283	-414	
									C - D	226	-378				

Lumber

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

Bracing

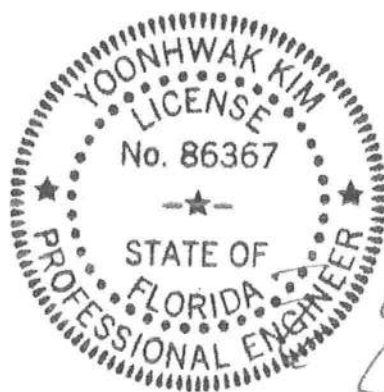
(a) Continuous lateral restraint equally spaced on member.

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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

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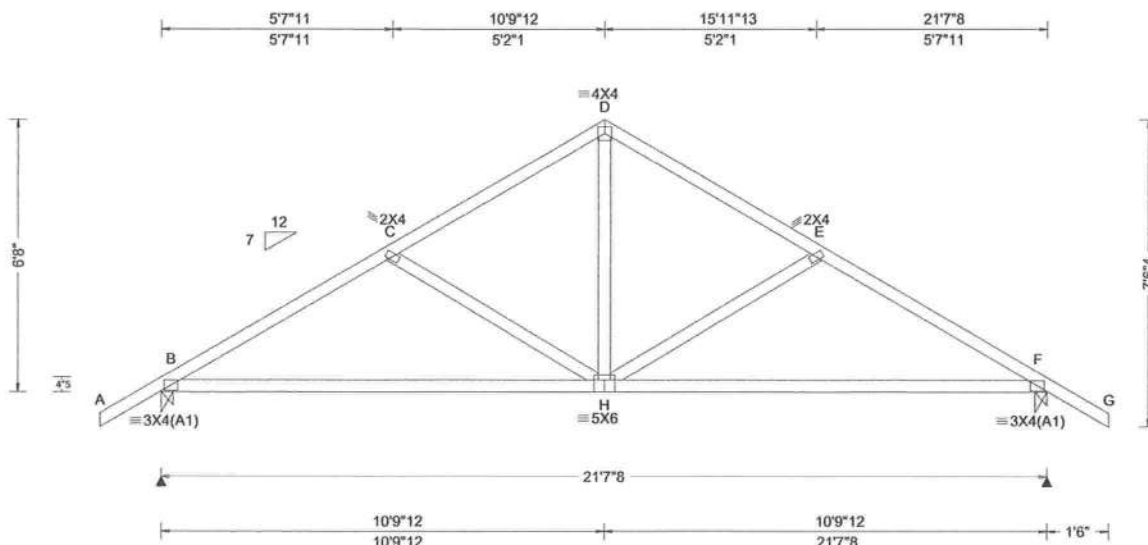
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29632 FROM:	COMN	Ply: 1 Qty: 3	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: D01	Cust: R 215 JRef: 1X922150005 T71 DrwNo: 266.21.1408.19970 / YK 09/23/2021
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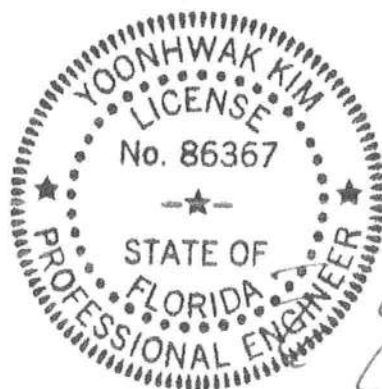
Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)							
TCLL: 20.00		Wind Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity		Non-Gravity					
TCDL: 10.00		Speed: 130 mph		Pf: NA Ce: NA		VERT(LL): 0.032 H 999 240		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.066 H 999 180		B	1001	/-	/-	/603	/172	/207	
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.013 F - -		F	1001	/-	/-	/603	/172	/-	
Des Ld: 40.00		EXP: C Kzt: NA				HORZ(TL): 0.026 F - -		Wind reactions based on MWFRS							
NCBCLL: 10.00		Mean Height: 15.00 ft		Building Code:		Creep Factor: 2.0		B Brg Width = 3.5 Min Req = 1.5							
Soffit: 2.00		TCDL: 5.0 psf		FBC 7th Ed. 2020 Res.		Max TC CSI: 0.323		F Brg Width = 3.5 Min Req = 1.5							
Load Duration: 1.25		BCDL: 5.0 psf		TPI Std: 2014		Max BC CSI: 0.418		Bearings B & F are a rigid surface.							
Spacing: 24.0 "		MWFRS Parallel Dist: 0 to h/2		Rep Fac: Yes		Max Web CSI: 0.254		Members not listed have forces less than 375#							
		C&C Dist a: 3.00 ft		FT/RT:20(0)/10(0)				Maximum Top Chord Forces Per Ply (lbs)							
		Loc. from endwall: Any		Plate Type(s):				Chords		Tens.Comp.		Chords		Tens. Comp.	
		GCpi: 0.18		WAVE		VIEW Ver: 21.01.01A.0521.20		B - C		468 -1317		D - E		381 -992	
		Wind Duration: 1.60						C - D		381 -992		E - F		468 -1317	

Lumber

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

Wind

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

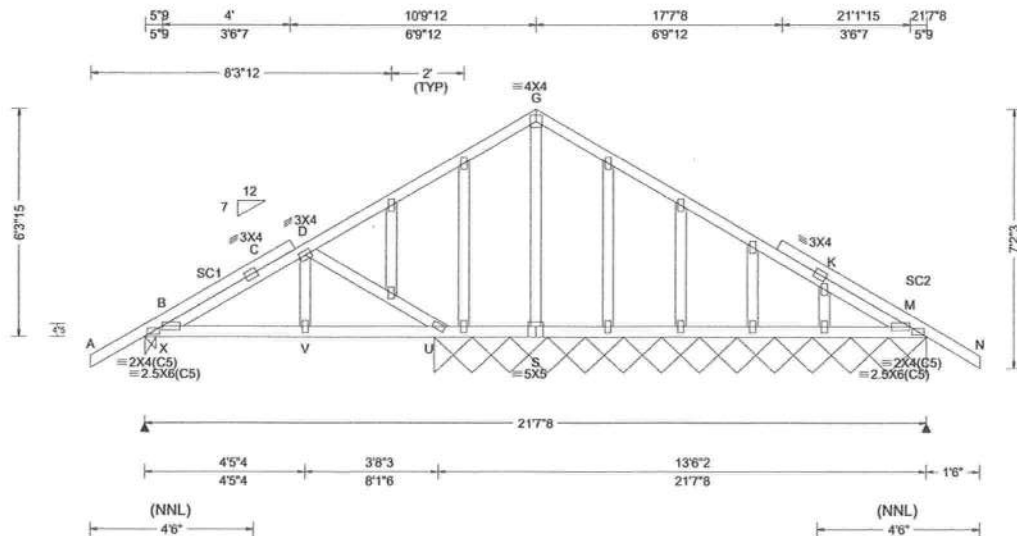


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29635 FROM:	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: D02	Cust: R 215 JRef: 1X922150005 T4 DrwNo: 266.21.1408.24820 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.010 E 999 240 VERT(CL): 0.020 E 999 180 HORZ(LL): 0.004 E - - HORZ(TL): 0.008 E - - Creep Factor: 2.0 Max TC CSI: 0.236 Max BC CSI: 0.139 Max Web CSI: 0.235 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL X 421 /- /- /272 /39 /87 U* 116 /- /- /65 /- /- Non-Gravity Wind reactions based on MWFRS X Brg Width = 3.5 Min Req = 1.5 U Brg Width = 163 Min Req = - Bearings X & U 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;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

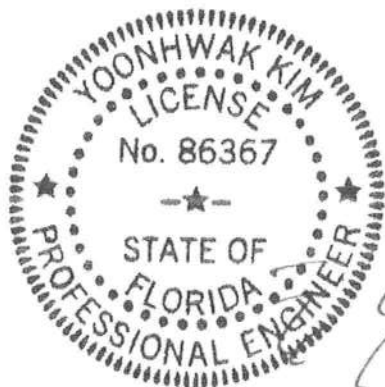
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

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

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Structural drawing of a roof truss system. The drawing includes the following dimensions and labels:

- Top Dimensions:**
 - Left side: $1'9''11$ (total), $1'4''2$ (segment).
 - Right side: $8'3''8$ (total), $5'9$ (segment).
 - Bottom center: $4'1''12$ (segment), $2'4''1$ (segment), $6'5''13$ (segment), $2'4''1$ (segment), $7'9''15$ (segment), $1'4''2$ (segment).
 - Center: $2'$ (TYP).
- Truss Members and Joints:**
 - Top chord: SC1, SC2.
 - Bottom chord: A, B, C, D, E, F, G, H, I.
 - Vertical member: E.
 - Diagonal members: C, G.
 - Horizontal members: B, D, F, H.
 - Labels: $3X4$ (members C, G), $4X4$ (member E), $2X4(C5)$ (members B, D, F, H), $2'5X6(C5)$ (members B, D, F, H).
- Dimensions and Spacing:**
 - Left side: $2'9''4$ (height), $4'$ (width).
 - Right side: $3'3''8$ (height).
 - Bottom: $3'8$ (width), $7'8''8$ (width), $3'8$ (width).
 - Bottom center: $8'3''8$ (width), $8'3''8$ (width).
 - Bottom left: $1'6''$ (width), $4'6''$ (width), (NNL).
 - Bottom right: $1'6''$ (width), $4'6''$ (width), (NNL).

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;

All plates are 2X4 except as noted.

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

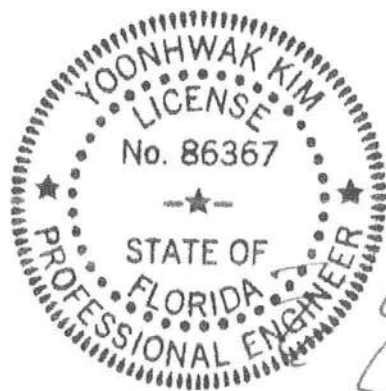
In lieu of structural panels use purlins to brace TC @ 24" oc.

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

Wind loading based on both gable and hip roof types.

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

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in 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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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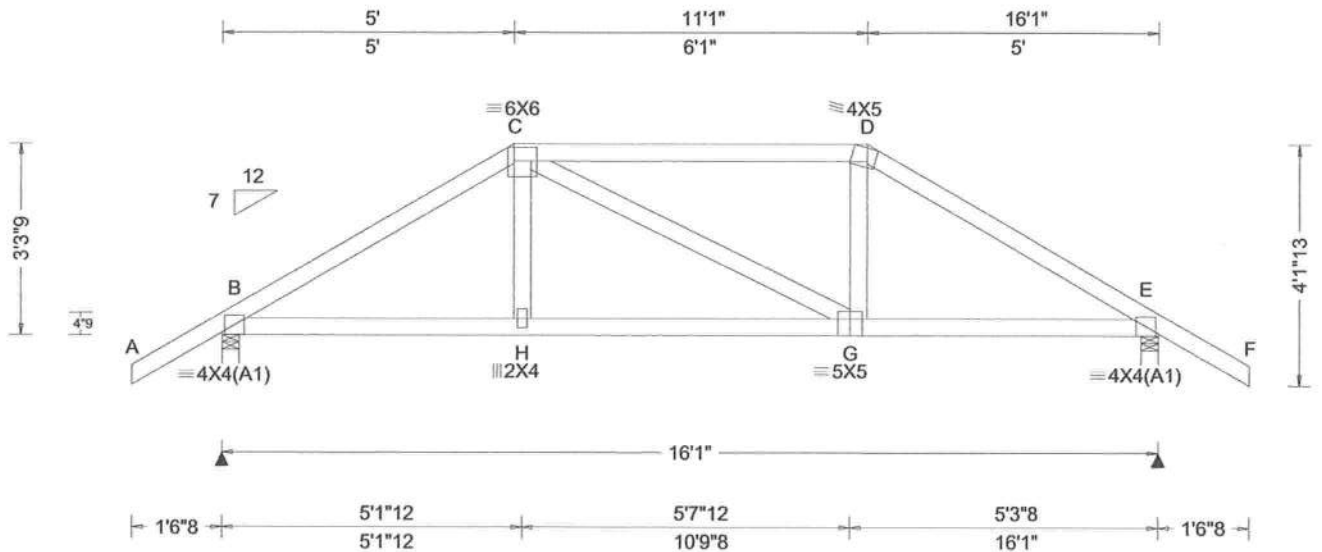
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SEQN: 29771 FROM:	HIPS Qty: 1	Ply: 1 Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: E01	Cust: R 215 JRef: 1X922150005 T59 DrwNo: 266.21.1408.27897 / YK 09/23/2021
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg, Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc L/defl	L/#	Gravity	
TCDL: 10.00	Speed: 130 mph	Pf: NA	Ce: NA		VERT(LL): 0.051	H	999	240	Loc R+ / R- / Rh
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.103	H	999	180	/ Rw / U / RL
BCDL: 10.00	Risk Category: II	Snow Duration: NA			HORZ(LL): 0.028	E	-	-	
Des Ld: 40.00	EXP: C Kzt: NA	Building Code:			HORZ(TL): 0.055	E	-	-	
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 7th Ed. 2020 Res.			Creep Factor: 2.0				
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014			Max TC CSI: 0.935				
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Varies by Ld Case			Max BC CSI: 0.776				
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT: 20(0)/10(0)			Max Web CSI: 0.122				
	C&C Dist a: 3.00 ft	Plate Type(s):			VIEW Ver: 21.01.01A.0521.20				
	Loc. from endwall: not in 4.50 ft	WAVE							
	GCpi: 0.18								
	Wind Duration: 1.60								

Lumber

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

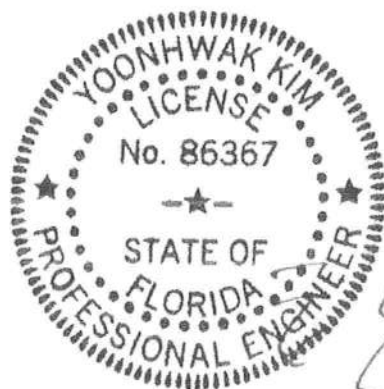
Special Loads

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

TC: From	63 plf at	-1.54 to	63 plf at	5.00
TC: From	32 plf at	5.00 to	32 plf at	11.08
TC: From	63 plf at	11.08 to	63 plf at	17.63
BC: From	5 plf at	-1.54 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	10.79
BC: From	20 plf at	10.79 to	20 plf at	16.08
BC: From	5 plf at	16.08 to	5 plf at	17.63
TC: 341 lb Conc. Load at	5.03, 11.05			
TC: 129 lb Conc. Load at	7.06, 9.02			
BC: 172 lb Conc. Load at	5.03, 11.05			
BC: 90 lb Conc. Load at	7.06, 9.02			

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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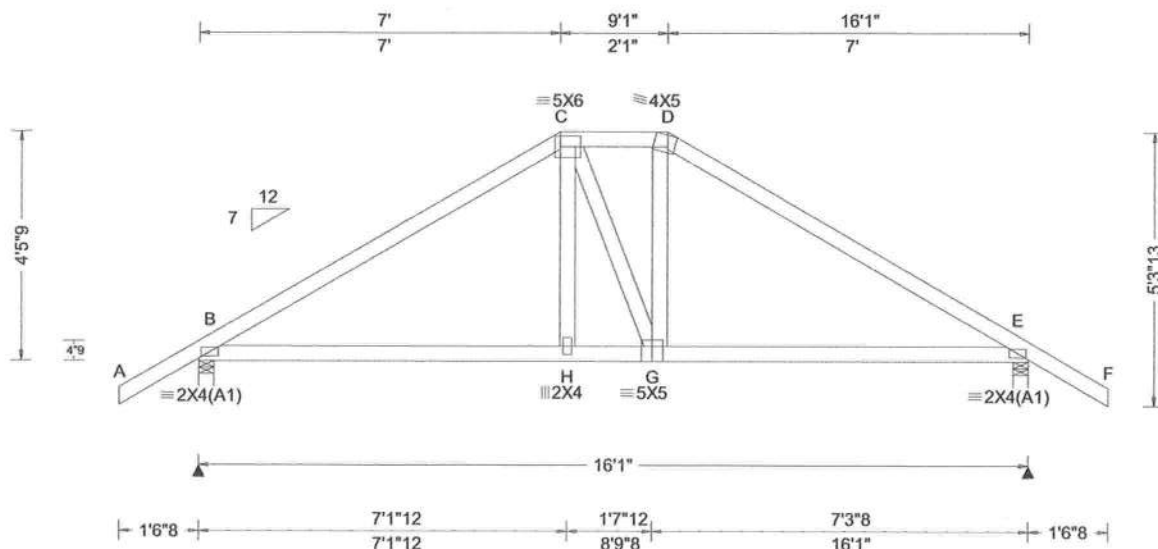
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29413 FROM:	HIPS Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: E02	Cust: R 215 JRef: 1X922150005 T21 DrwNo: 266.21.1408.29673 / YK 09/23/2021
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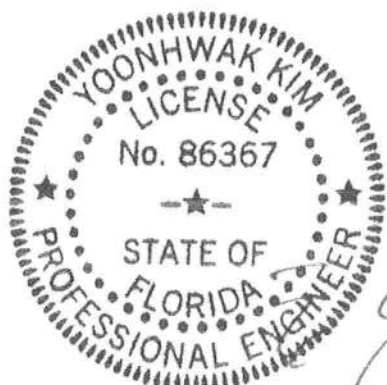
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.011 H 999 240 VERT(CL): 0.023 H 999 180 HORZ(LL): 0.007 E - - HORZ(TL): 0.014 E - - Creep Factor: 2.0 Max TC CSI: 0.532 Max BC CSI: 0.454 Max Web CSI: 0.069 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 773 /- /- /475 /137 /150 E 773 /- /- /475 /137 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 E Brg Width = 3.5 Min Req = 1.5 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 288 -855 D - E 288 -852 C - D 305 -651

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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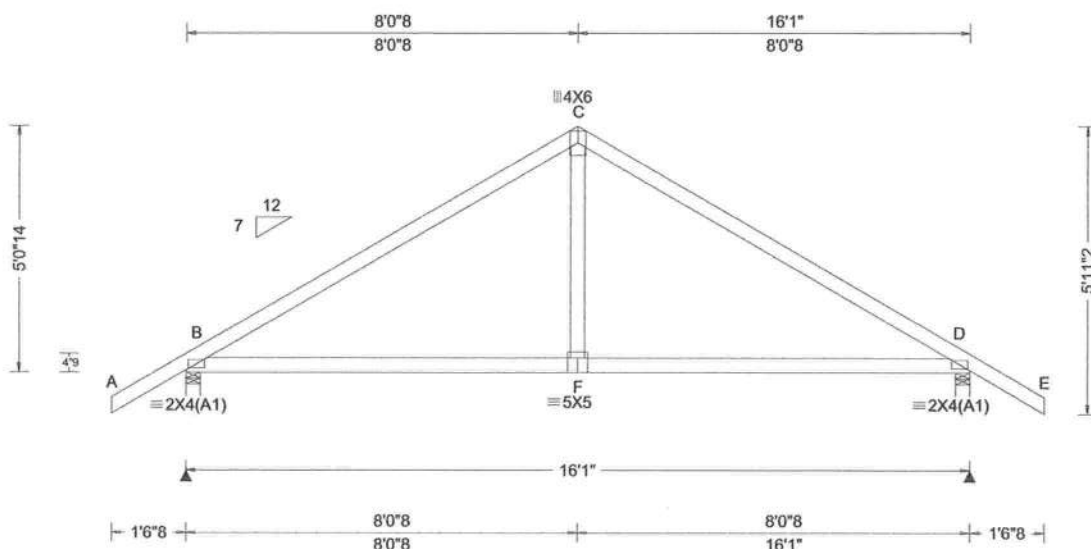
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29638 FROM:	COMN Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: E03	Cust: R 215 JRef: 1X922150005 T22 DrwNo: 266.21.1408.31137 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.010 D 999 240 VERT(CL): 0.017 D 999 180 HORZ(LL): 0.008 B - - HORZ(TL): 0.016 B - - Creep Factor: 2.0 Max TC CSI: 0.686 Max BC CSI: 0.607 Max Web CSI: 0.137 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 773 /- /- /475 /135 /166 D 773 /- /- /475 /135 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 3.5 Min Req = 1.5 Bearings B & D are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 186 -840 C - D 186 -840

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.

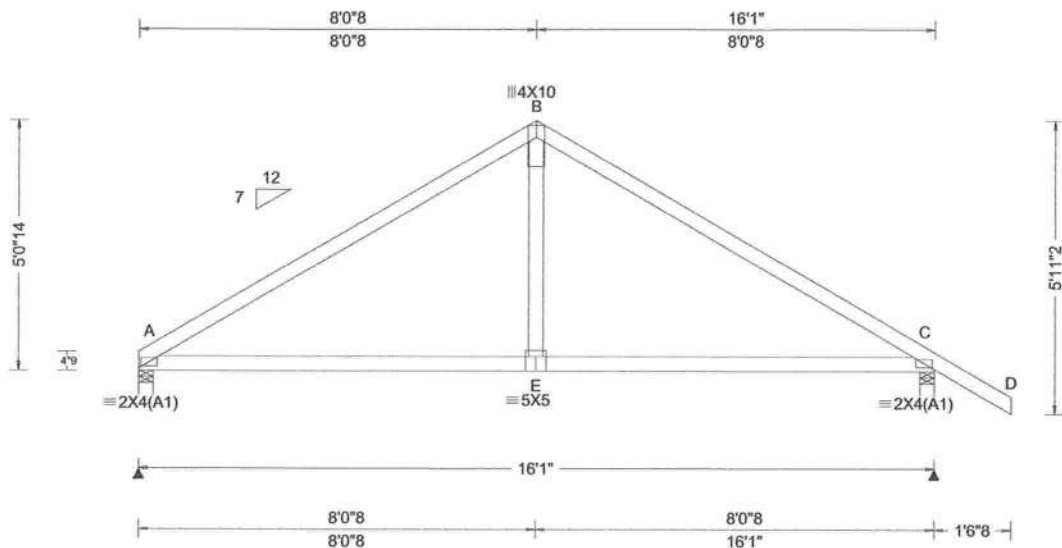


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29641 FROM:	COMN Ply: 1 Qty: 3	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: E04	Cust: R 215 JRef: 1X922150005 T28 DrwNo: 266.21.1408.32593 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.013 A 999 240 VERT(CL): 0.026 A 999 180 HORZ(LL): 0.011 A - - HORZ(TL): 0.022 A - - Creep Factor: 2.0 Max TC CSI: 0.720 Max BC CSI: 0.619 Max Web CSI: 0.138 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 663 - / - /384 /107 /149 C 779 - / - /475 /137 - Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 C Brg Width = 3.5 Min Req = 1.5 Bearings A & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 198 -853 B - C 199 -857

Lumber

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

Wind

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

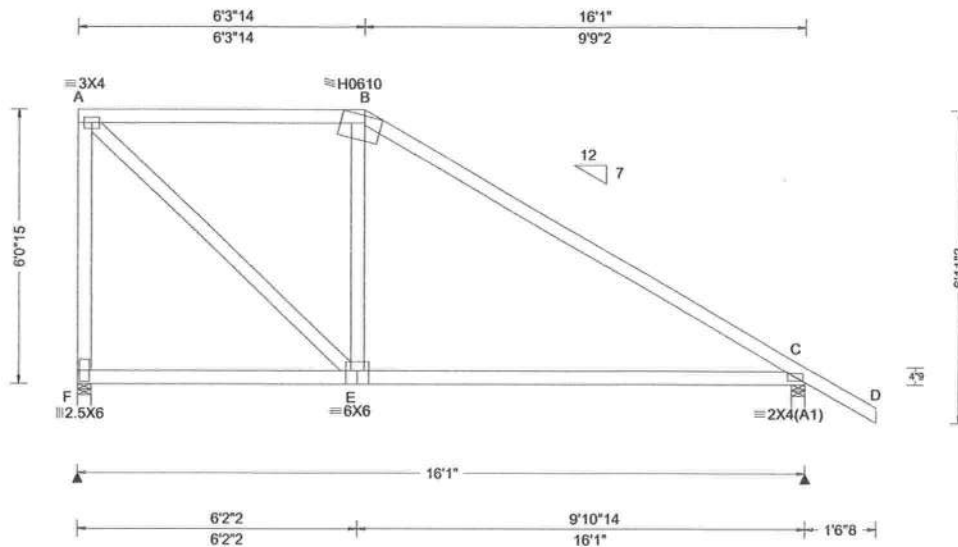


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09/23/2021

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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29647 FROM:	HIPM Qty: 1	Ply: 1 Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: E05	Cust: R 215 JRef: 1X922150005 T32 DrwNo: 266.21.1408.33963 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.022 C 999 240 VERT(CL): 0.046 C 999 180 HORZ(LL): -0.018 C - - HORZ(TL): 0.037 C - - Creep Factor: 2.0 Max TC CSI: 0.428 Max BC CSI: 0.812 Max Web CSI: 0.501 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL F 657 /- /- /380 /117 /163 C 785 /- /- /514 /32 /- Non-Gravity F Brg Width = 3.5 Min Req = 1.5 C Brg Width = 3.5 Min Req = 1.5 Bearings F & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 278 -522 B - C 235 -757

Lumber

Top chord: 2x4 SP M-31;
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.

Maximum Bot Chord Forces Per Ply (lbs)

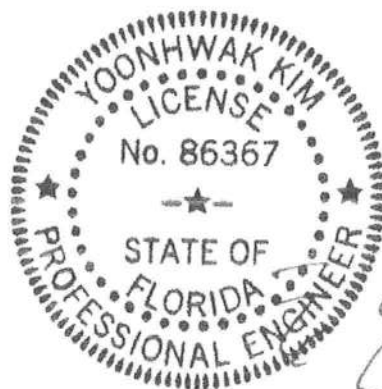
Chords Tens.Comp.

E - C 536 -47

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

A - F 464 -629 A - E 723 -384



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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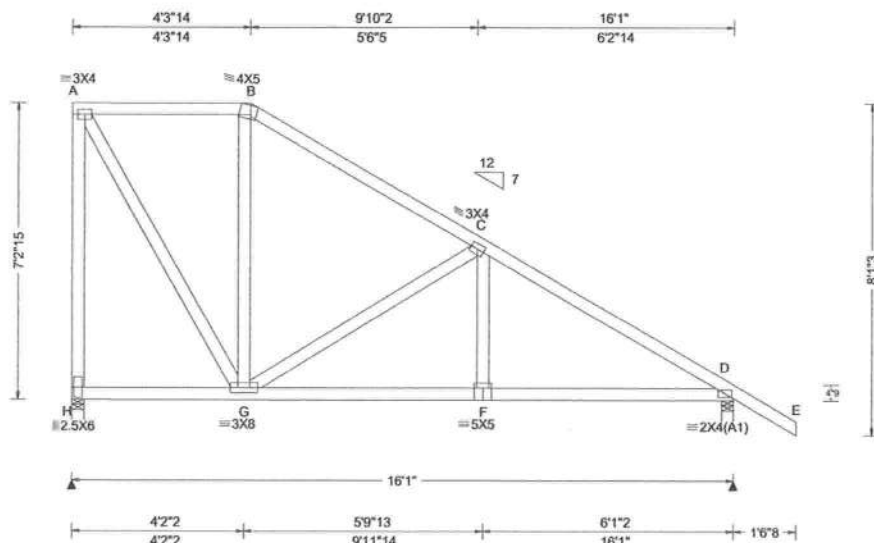
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29392 FROM:	HIPM Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: E06	Cust: R 215 JRef: 1X922150005 T34 DrwNo: 266.21.1408.35270 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.019 F 999 240 VERT(CL): 0.038 F 999 180 HORZ(LL): 0.007 D - - HORZ(TL): 0.014 D - - Creep Factor: 2.0 Max TC CSI: 0.358 Max BC CSI: 0.348 Max Web CSI: 0.587 VIEW Ver: 21.01.01A.0521.20	Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity H 657 /- /- /407 /114 /193 D 785 /- /- /518 /13 /- Wind reactions based on MWFRS H Brg Width = 3.5 Min Req = 1.5 D Brg Width = 3.5 Min Req = 1.5 Bearings H & 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 128 -460 C - D 152 -931

Lumber

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

Wind

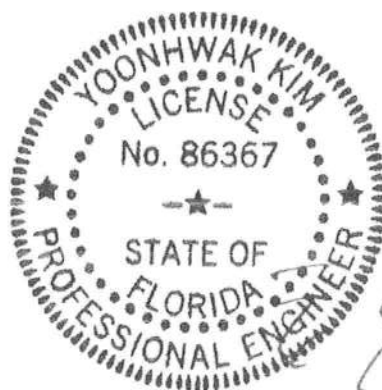
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
G - F	725 -12	F - D	728 -11

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - H	404 -626	G - C	184 -487
A - G	605 -301		



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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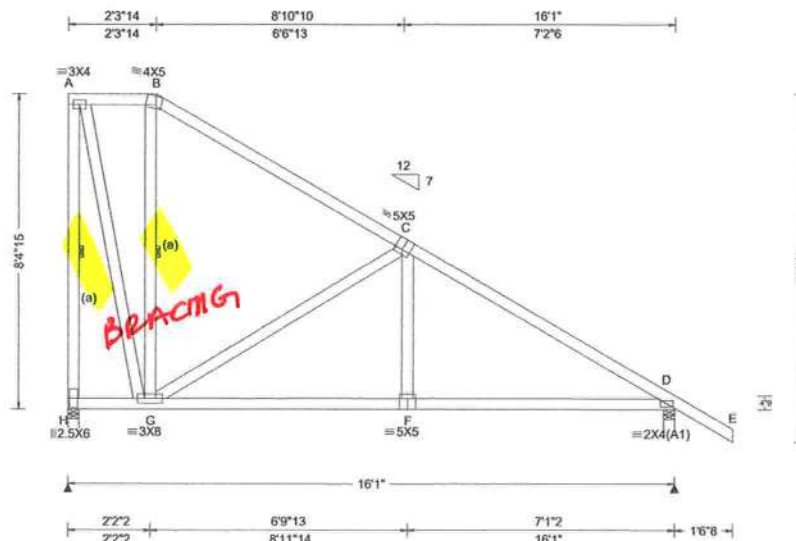
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando, FL, 32821

SEQN: 29462	HIPM	Ply: 1	Job Number: 21-6101	Cust: R 215	JRef: 1X922150005	T35
FROM:		Qty: 1	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1408.36710		
			Truss Label: E07	/ YK	09/23/2021	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCCL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.019 F 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.039 F 999 180	H 657 /- /- /439 /110 /224
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 D - -	D 785 /- /- /517 /- /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.015 D - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	H Brg Width = 3.5 Min Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.531	D Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.461	Bearings H & D are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.734	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	FT/RT: 20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	VIEW Ver: 21.01.01A.0521.20	Chords Tens.Comp.
	GCpi: 0.18	WAVE		C - D 66 -896
	Wind Duration: 1.60			

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.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
G - F	685 0	F - D	688 0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - H	322 -655	G - C	235 -602
A - G	662 -279		



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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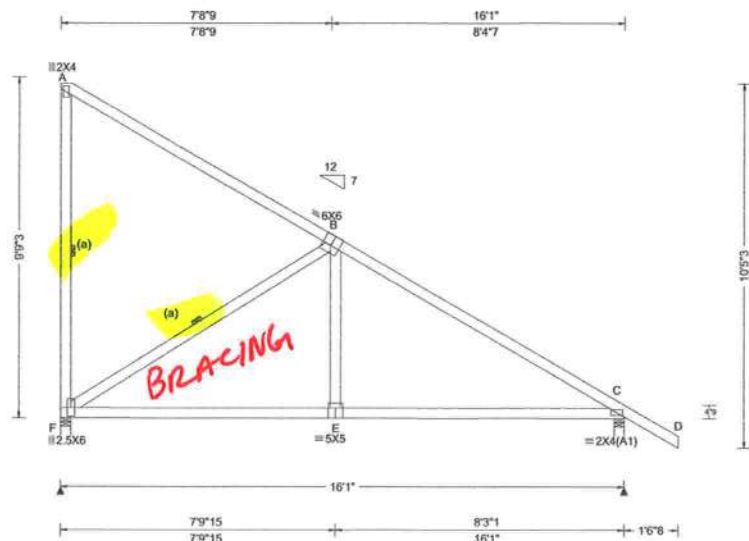
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29655 FROM:	HIPM Qty: 1	Ply: 1 Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: E08	Cust: R215 JRef: 1X922150005 T37 DrwNo: 266.21.1408.39527 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,PI in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.013 E 999 240 VERT(CL): 0.028 E 999 180 HORZ(LL): 0.008 C - - HORZ(TL): 0.017 C - - Creep Factor: 2.0 Max TC CSI: 0.439 Max BC CSI: 0.803 Max Web CSI: 0.334 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 658 /- /- /471 /99 /260 C 785 /- /- /480 /- /- Wind reactions based on MWFRS F Brg Width = 3.5 Min Req = 1.5 C Brg Width = 3.5 Min Req = 1.5 Bearings F & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 0 -857

Lumber
Top chord: 2x4 SP M-31;
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.

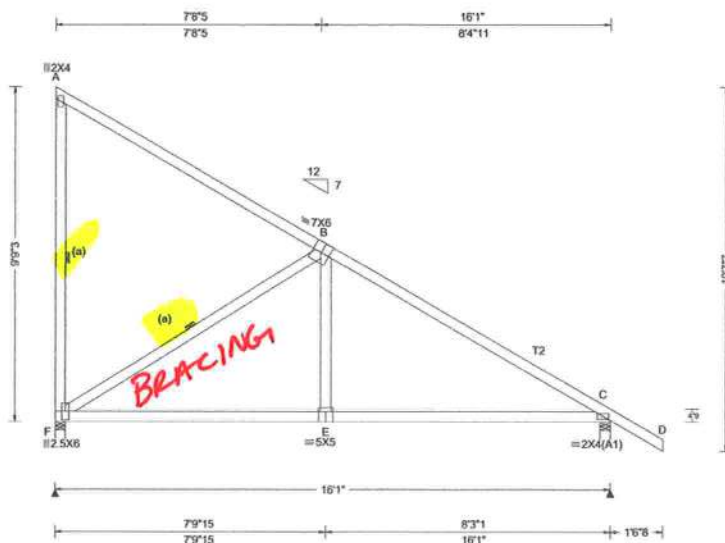


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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SEQN: 29661 FROM:	MONO Qty: 1	Ply: 1 Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: E09	Cust: R 215 JRef: 1X922150005 T39 DrwNo: 266.21.1408.41517 / YK 09/23/2021
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Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00		Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity		Non-Gravity				
TCDL: 10.00		Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.014 E 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00		Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.029 E 999 180	F	657	/-	/-	/483	/105	/265
BCDL: 10.00		Risk Category: II	Snow Duration: NA	HORZ(LL): 0.008 A - -	C	785	/-	/-	/479	/-	/-
		EXP: C Kzt: NA		HORZ(TL): 0.017 A - -	Wind reactions based on MWFRS						
Des Ld: 40.00		Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	F	Brg Width = 3.5		Min Req = 1.5			
NCBCLL: 10.00		TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.839	C	Brg Width = 3.5		Min Req = 1.5			
Soffit: 2.00		BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.810	Bearings F & C are a rigid surface.						
Load Duration: 1.25		MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.334	Members not listed have forces less than 375#						
Spacing: 24.0 "		C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)						
		Loc. from endwall: not in 9.00 ft	Plate Type(s):		Chords	Tens.Comp.					
		GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20	B - C	0 -858					
		Wind Duration: 1.60									

Lumber

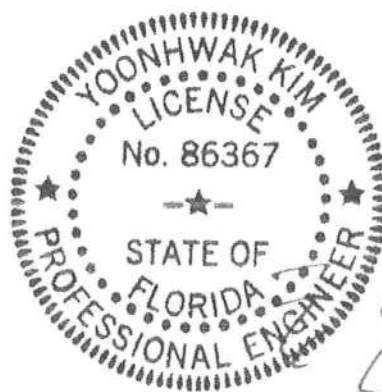
Top chord: 2x4 SP M-31; T2 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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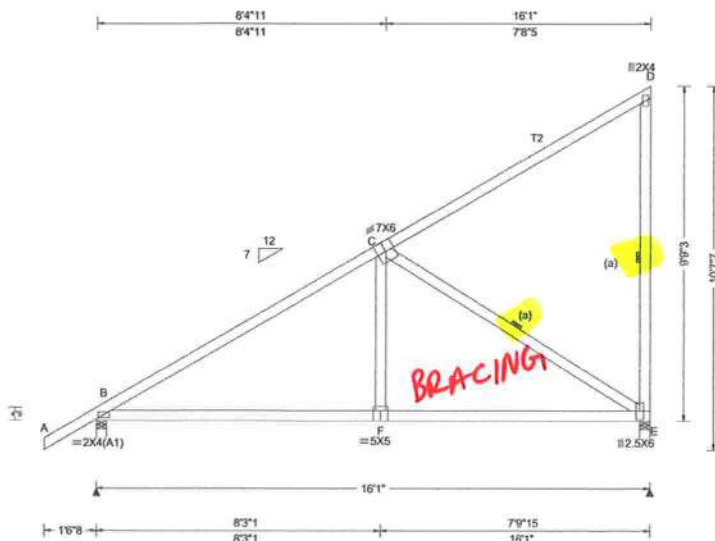
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29668 FROM:	EJAC Ply: 1 Qty: 9	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: E10	Cust: R 215 JRef: 1X922150005 T88 DrwNo: 266.21.1408.43827 / YK 09/23/2021
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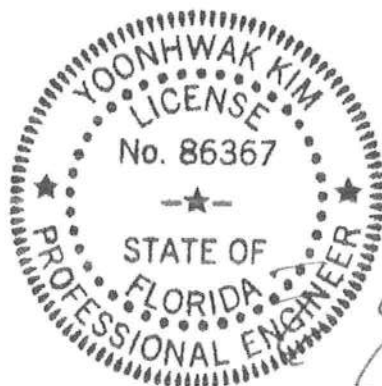


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.014 F 999 240 VERT(CL): 0.029 F 999 180 HORZ(LL): 0.008 B - - HORZ(TL): 0.017 B - - Creep Factor: 2.0 Max TC CSI: 0.839 Max BC CSI: 0.810 Max Web CSI: 0.334 VIEW Ver: 21.01.01A.0521.20	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 785 /- /- /511 /- /258 E 657 /- /- /481 /105 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 E Brg Width = 3.5 Min Req = 1.5 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. B - C 0 -858

Lumber
Top chord: 2x4 SP #2; T2 2x4 SP M-31;
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.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

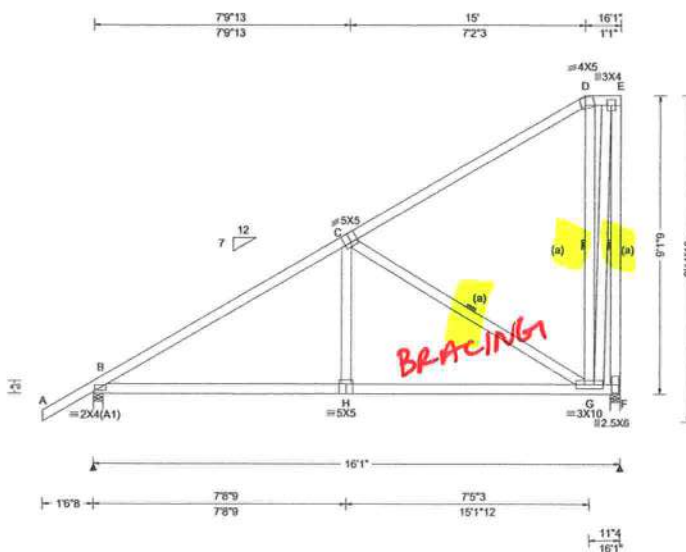


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29672 FROM:	EJAC Qty: 1	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: E11	Cust: R 215 JRef: 1X922150005 T89 DrwNo: 266.21.1408.45320 / YK 09/23/2021
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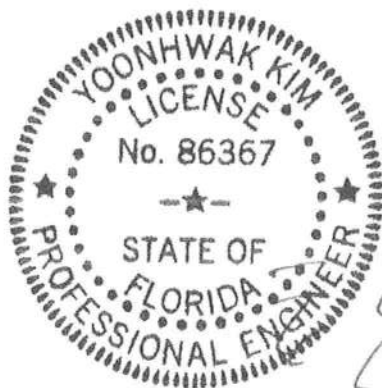


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.019 H 999 240 VERT(CL): 0.040 H 999 180 HORZ(LL): 0.008 C - - HORZ(TL): 0.016 C - - Creep Factor: 2.0 Max TC CSI: 0.656 Max BC CSI: 0.542 Max Web CSI: 0.435 VIEW Ver: 21.01.01A.0521.20	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 785 /- /- /515 /- /242 F 657 /- /- /460 /107 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 17 -873

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

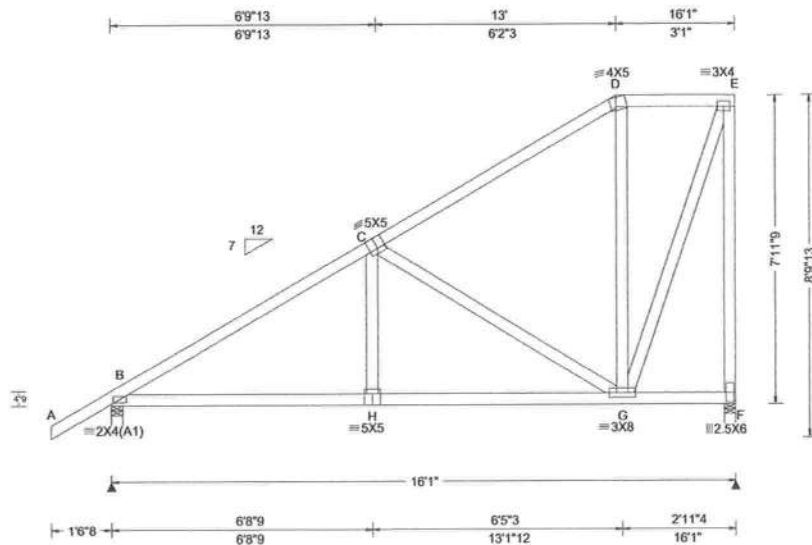


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29676 FROM:	EJAC Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: E12	Cust: R 215 JRef: 1X922150005 T91 DrwNo: 266.21.1408.46783 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.019 H 999 240 VERT(CL): 0.038 H 999 180 HORZ(LL): 0.007 G - - HORZ(TL): 0.013 G - - Creep Factor: 2.0 Max TC CSI: 0.459 Max BC CSI: 0.417 Max Web CSI: 0.733 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 785 /- /- /519 /74 /293 F 657 /- /- /425 /177 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 92 -909

Lumber

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

Wind

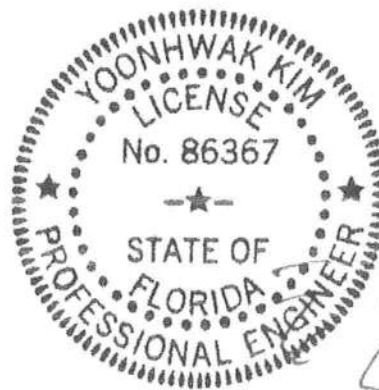
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	703 -283	H - G	701 -284

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - G	212 -560	E - F	357 -642
G - E	627 -283		



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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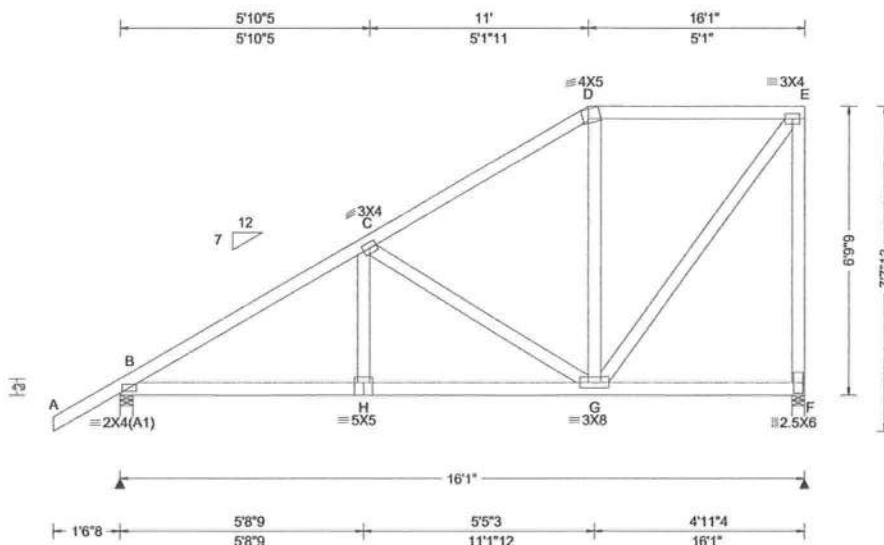
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29680 FROM:	EJAC Qty: 1	Ply: 1 Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: E13	Cust: R 215 JRef: 1X922150005 T93 DrwNo: 266.21.1408.48067 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.019 H 999 240 VERT(CL): 0.038 H 999 180 HORZ(LL): 0.006 G - - HORZ(TL): 0.013 G - - Creep Factor: 2.0 Max TC CSI: 0.363 Max BC CSI: 0.328 Max Web CSI: 0.509 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 785 /- /- /518 /93 /252 F 657 /- /- /396 /161 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 182 -941 C - D 171 -514

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.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	739 -326	H - G	737 -327

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - G	153 -434	E - F	428 -618
G - E	609 -319		



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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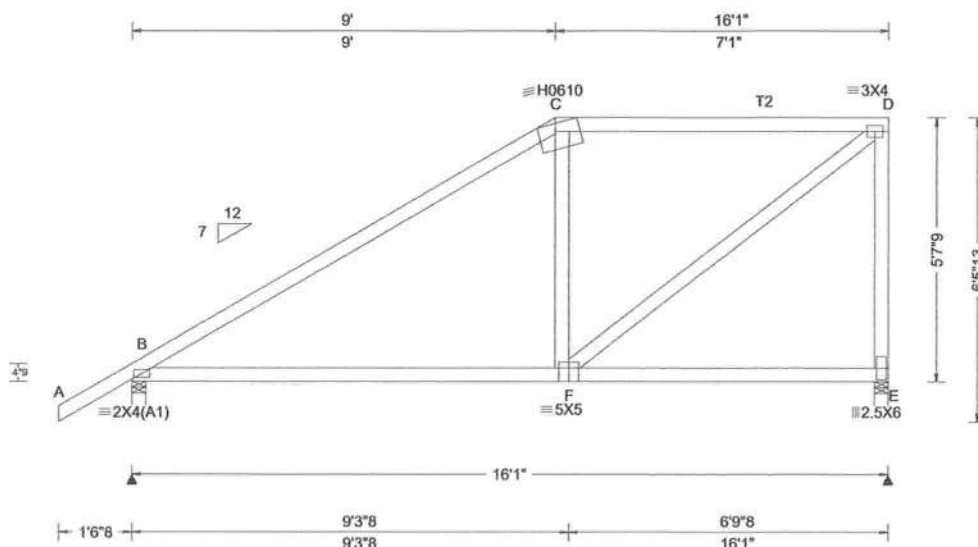
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29684 FROM:	EJAC Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: E14	Cust: R 215 JRef: 1X922150005 T90 DrwNo: 266.21.1408.49420 / YK 09/23/2021
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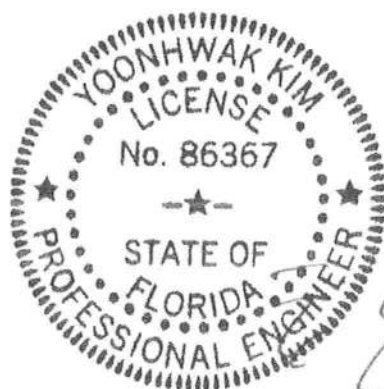
Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria				▲ Maximum Reactions (lbs)							
TCLL: 20.00		Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#				Gravity			Non-Gravity				
TCDL: 10.00		Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL): 0.018 B 999 240				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
BCLL: 0.00		Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.033 B 999 180				B	785	/-	/-	/512	/110	/210	
BCDL: 10.00		Risk Category: II	Snow Duration: NA			HORZ(LL): 0.015 B - -				E	657	/-	/-	/371	/148	/-	
Des Ld: 40.00		EXP: C Kzt: NA				HORZ(TL): 0.030 B - -				Wind reactions based on MWFRS							
NCBCLL: 10.00		Mean Height: 15.00 ft	Building Code:			Creep Factor: 2.0				B Brg Width = 3.5		Min Req = 1.5					
Soffit: 2.00		TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.			Max TC CSI: 0.877				E Brg Width = 3.5		Min Req = 1.5					
Load Duration: 1.25		BCDL: 5.0 psf	TPI Std: 2014			Max BC CSI: 0.734				Bearings B & E are a rigid surface.							
Spacing: 24.0 "		MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes			Max Web CSI: 0.564				Members not listed have forces less than 375#							
		C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)							Maximum Top Chord Forces Per Ply (lbs)							
		Loc. from endwall: not in 9.00 ft	Plate Type(s):							Chords		Tens.Comp.		Chords		Tens. Comp.	
		GCpi: 0.18	WAVE, HS			VIEW Ver: 21.01.01A.0521.20				B - C		288 -803		C - D		317 -572	
		Wind Duration: 1.60															

Lumber

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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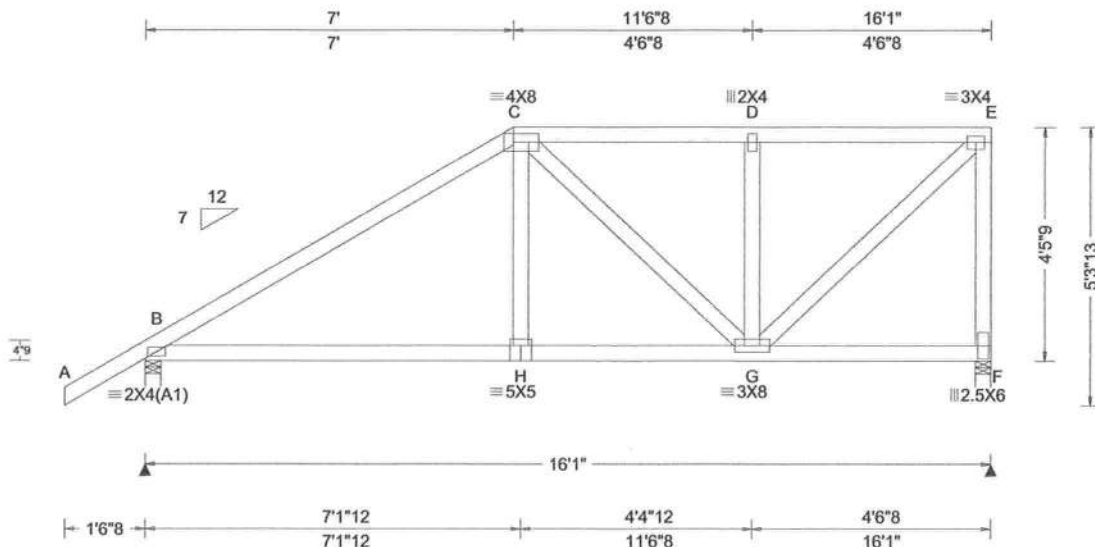
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29688 FROM:	EJAC Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: E15	Cust: R 215 JRef: 1X922150005 T92 DrwNo: 266.21.1408.50820 / YK 09/23/2021
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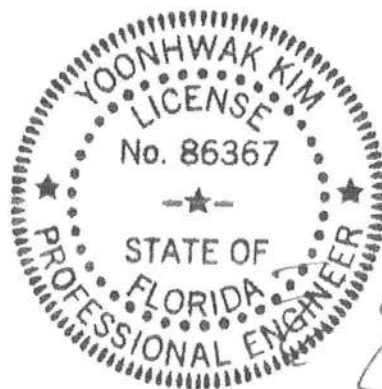
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.014 H 999 240 VERT(CL): 0.029 H 999 180 HORZ(LL): 0.006 B - - HORZ(TL): 0.012 B - - Creep Factor: 2.0 Max TC CSI: 0.524 Max BC CSI: 0.445 Max Web CSI: 0.371 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 785 /- /- /500 /123 /169 F 657 /- /- /351 /137 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 412 -878 D - E 403 -541 C - D 403 -542

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.

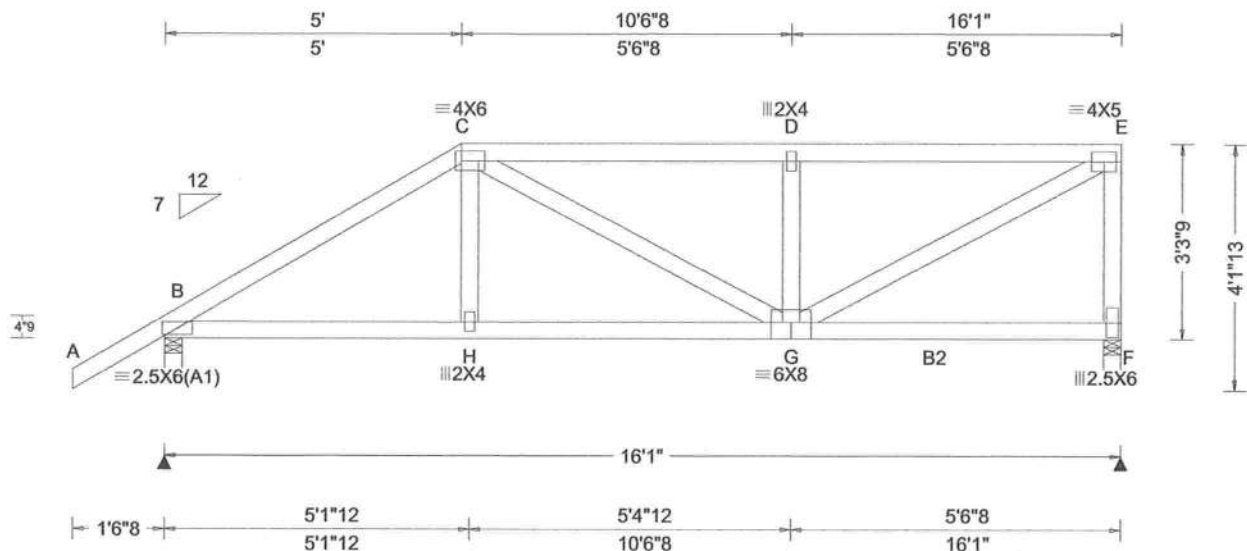


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29777	EJAC	Ply: 1	Job Number: 21-6101	Cust: R215	JRef: 1X922150005	T87
FROM:		Qty: 1	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1408.52007		
			Truss Label: E16	/ YK	09/23/2021	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)							
	TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
	TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.044 D 999 240	Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL	
	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.088 D 999 180	B	1242	-/-	-/-	-/266	-/-	
	BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.012 C - -	F	1126	-/-	-/-	-/281	-/-	
	Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.025 C - -	Wind reactions based on MWFRS						
	NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B	Brg Width = 3.5		Min Req = 1.5			
	Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.424	F	Brg Width = 3.5		Min Req = 1.5			
	Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.710	Bearings B & F are a rigid surface.						
	Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.658	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)							
	Loc. from endwall: not in 4.50 ft	Plate Type(s):		Chords	Tens.Comp.		Chords	Tens. Comp.			
	GCpi: 0.18			B - C	394	-1824	D - E	372	-1537		
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20								

Lumber

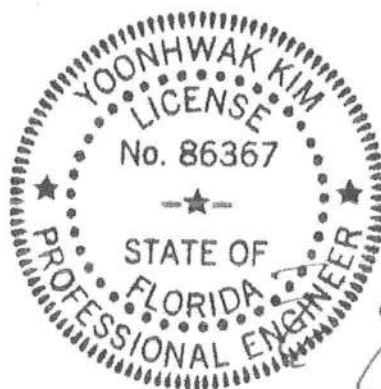
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B2 2x4 SP #2;
Webs: 2x4 SP #3;

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.54 to 63 plf at 5.00
TC: From 32 plf at 5.00 to 32 plf at 16.08
BC: From 5 plf at -1.54 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 5.06
BC: From 10 plf at 5.06 to 10 plf at 16.08
BC: 476 lb Conc. Load at 5.06
BC: 182 lb Conc. Load at 7.06, 9.06, 11.06, 13.06
15.06

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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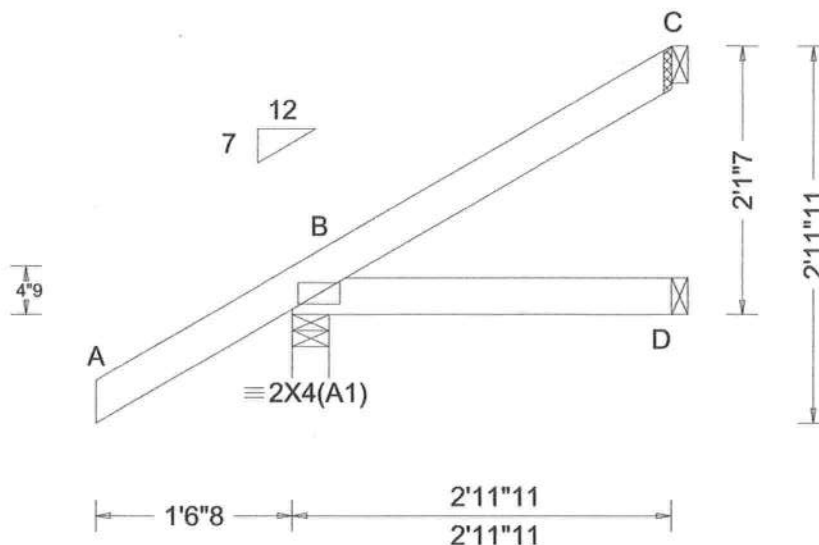
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29815 FROM:	CAJA Qty: 1	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: J01	Cust: R 215 JRef: 1X922150005 T26 DrwNo: 266.21.1408.55273 / YK 09/23/2021
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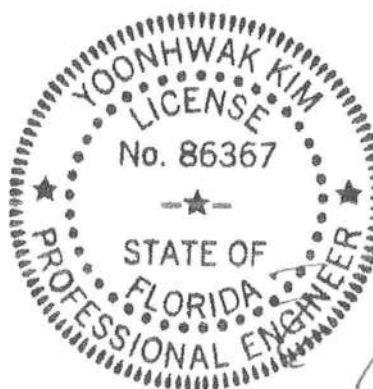
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.172 Max BC CSI: 0.064 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 268 /- /- /- /70 /- D 49 /- /- /14 /- /- C 61 /- /- /- /21 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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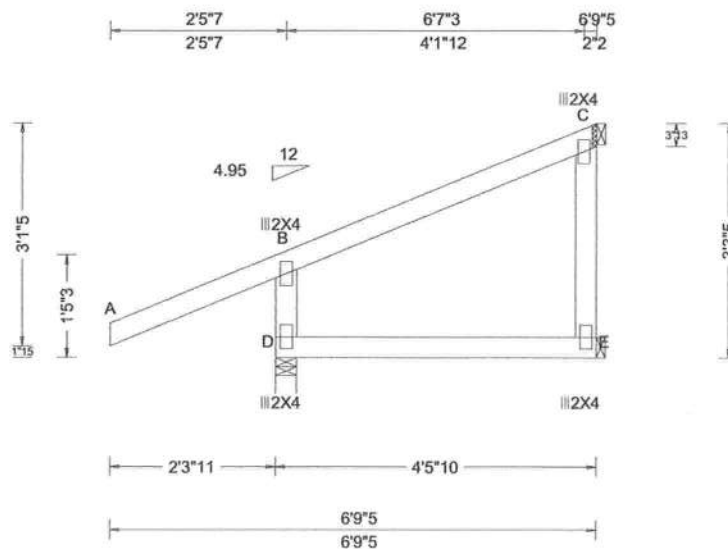
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29821 FROM:	SPEC Qty: 1	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: J01HJ	Cust: R 215 JRef: 1X922150005 T62 DrwNo: 266.21.1408.58943 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.100 A 292 240 VERT(CL): 0.177 A 165 180 HORZ(LL): -0.027 C - - HORZ(TL): 0.048 C - - Creep Factor: 2.0 Max TC CSI: 0.507 Max BC CSI: 0.000 Max Web CSI: 0.107 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL D 152 /- /- /- /46 /- E - /-177 /- /50 /- /- C 195 /- /- /- /51 /- Wind reactions based on MWFRS D Brg Width = 3.4 Min Req = 1.5 E Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing D is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Loading

The following members need concentrated loads at the heel: 4-9-8 span/setback member on the 1-6-8 cant side requires 35 lbs and the 4-9-8 span/setback member on the 1-6-8 cant side requires 35 lbs.

Sub-fascia beam assumptions: 4-9-8 sub-fascia beam on the 1-6-8 cantilever side. 4-9-8 sub-fascia beam on the 1-6-8 cantilever side.

Hipjack supports 4-9-8 setback jacks with 1-6-8 cantilever one face; 1-6-8 cantilever opposite face.

Wind

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

Additional Notes

Negative reaction(s) of -177# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Shim all supports to solid bearing.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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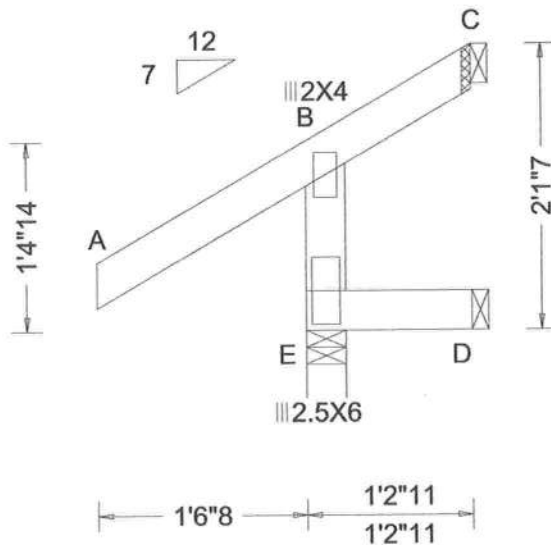
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29818	CAJA	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: J02	Cust: R 215 JRef: 1X922150005 T12 DrwNo: 266.21.1409.00710 / YK 09/23/2021
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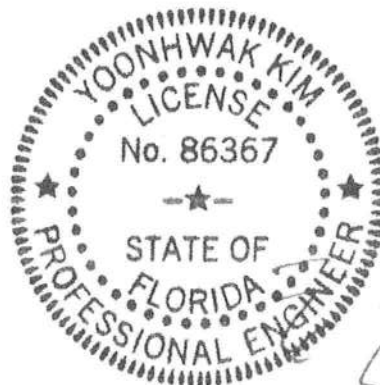
Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs)								
TCLL:	20.00	Wind Std:	ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/defl	L/#	Gravity			Non-Gravity				
TCDL:	10.00	Speed:	130 mph	Pf: NA		Ce: NA	VERT(LL):	0.000	B	999	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL):	0.000	B	999	180	E	221	/-	/-	/198	/76	/-
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL):	0.000	B	-	-	D	24	/-	/-	/12	/-	/-
Des Ld:	40.00	EXP:	C Kzt: NA				HORZ(TL):	0.000	B	-	-	C	-	/-27	/-	/50	/59	/49
NCBCLL:	10.00	Mean Height:	15.00 ft	Building Code:			Creep Factor:	2.0				Wind reactions based on MWFRS						
Soffit:	2.00	TCDL:	5.0 psf	FBC 7th Ed. 2020 Res.			Max TC CSI:	0.199				E	Brg Width = 3.5			Min Req = 1.5		
Load Duration:	1.25	BCDL:	5.0 psf	TPI Std:	2014		Max BC CSI:	0.014				D	Brg Width = 1.5			Min Req = -		
Spacing:	24.0 "	MWFRS Parallel Dist:	0 to h/2	Rep Fac:	Yes		Max Web CSI:	0.099				C	Brg Width = 1.5			Min Req = -		
		C&C Dist a:	3.00 ft	FT/RT:	20(0)/10(0)							Bearing E is a rigid surface.						
		Loc. from endwall:	not in 4.50 ft	Plate Type(s):								Members not listed have forces less than 375#						
		GCpi:	0.18	WAVE														
		Wind Duration:	1.60															
									</									

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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

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

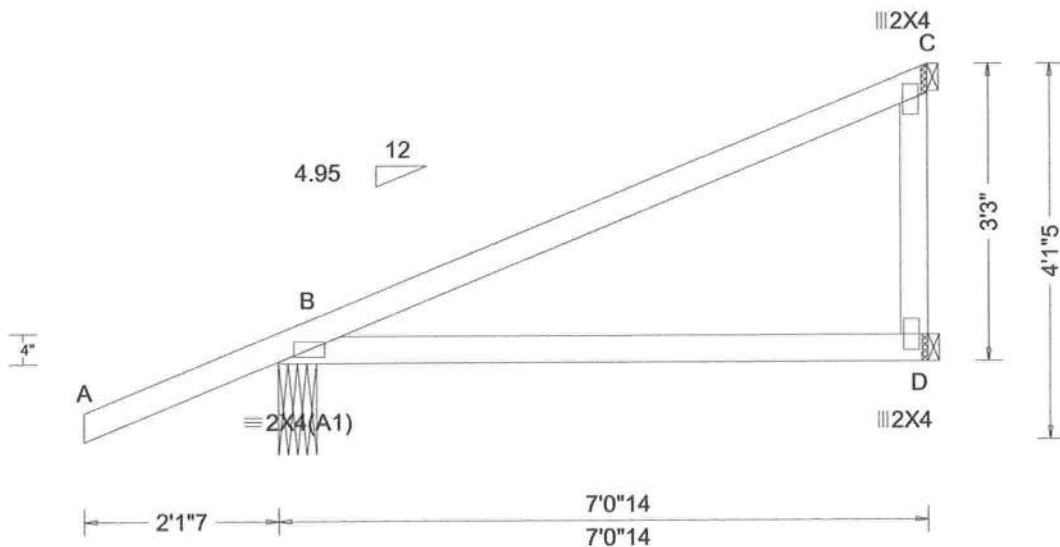
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29762 FROM:	HIP_	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: J02HJ	Cust: R 215 JRef: 1X922150005 T2 DrwNo: 266.21.1409.04397 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.007 B - - HORZ(TL): 0.014 B - - Creep Factor: 2.0 Max TC CSI: 0.634 Max BC CSI: 0.286 Max Web CSI: 0.205 VIEW Ver: 21.01.01A.0521.20	B	310	/-	/-	/-	/68	/-
				D	83	/-	/-	/32	/-	/-
				C	213	/-	/-	/-	/78	/-

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

Lumber

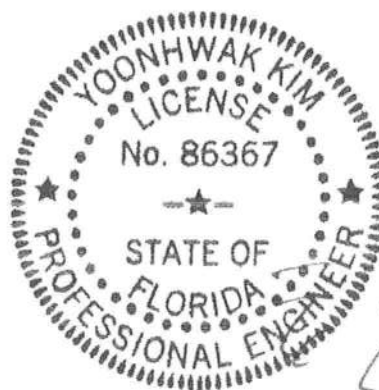
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Loading

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

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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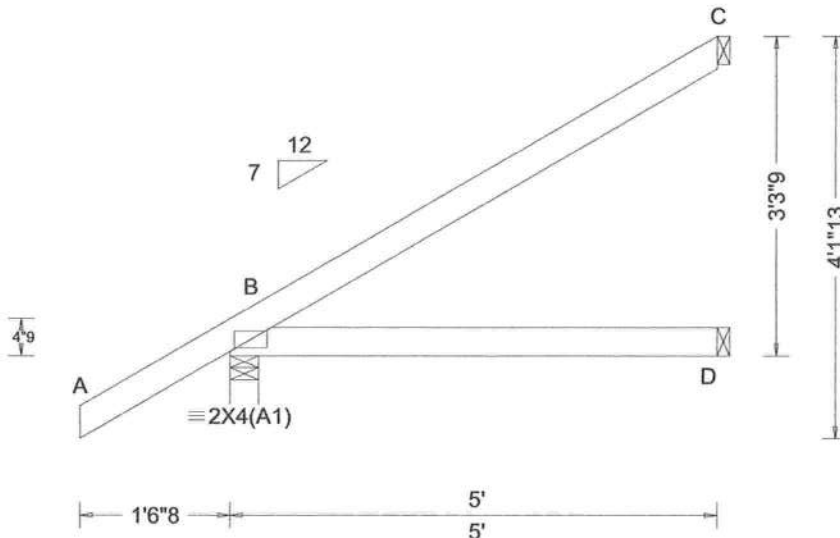
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29707 FROM:	EJAC Ply: 1 Qty: 16	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: J03	Cust: R 215 JRef: 1X922150005 T13 DrwNo: 266.21.1405.47470 / YK 09/23/2021
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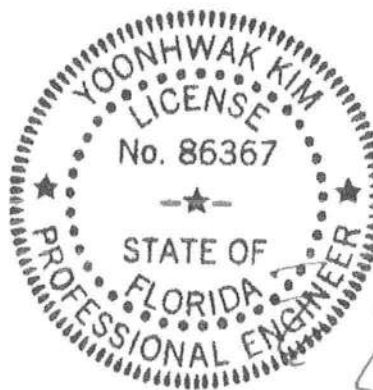
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pl in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B - - HORZ(TL): 0.007 B - - Creep Factor: 2.0 Max TC CSI: 0.331 Max BC CSI: 0.238 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 338 /- /- /235 /34 /128 D 90 /- /- /52 /- /- C 129 /- /- /83 /72 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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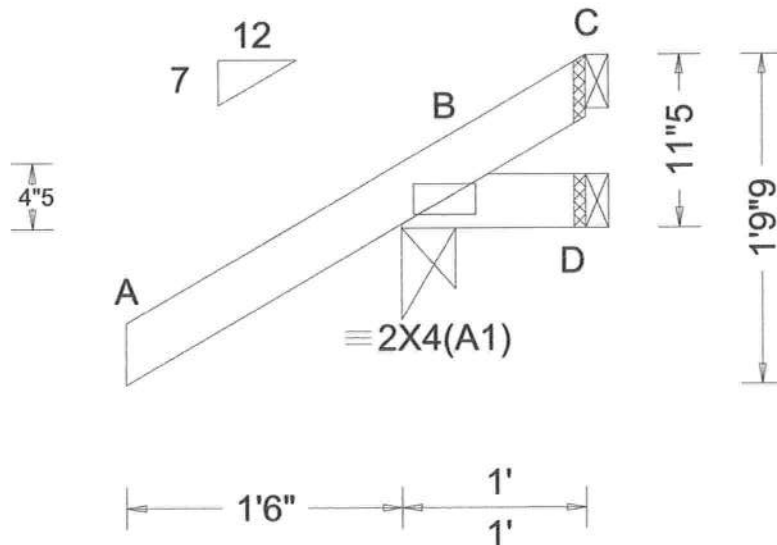
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6750 Forum Drive
Suite 305
Orlando FL 32821

SEQN: 29710	JACK	Ply: 1	Job Number: 21-6101	Cust: R 215	JRef: 1X922150005	T24
FROM:		Qty: 2	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1405.50810		
			Truss Label: J04	/ YK	09/23/2021	



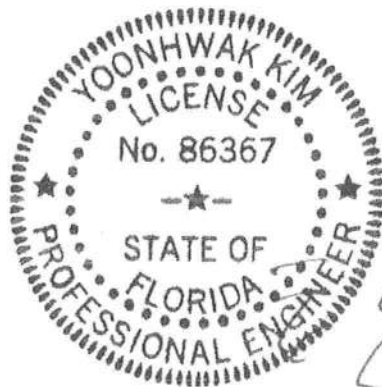
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	257	/-	/-	/207	/62	/44
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	5	/-17	/-	/15	/16	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B - -	C	-	/-55	/-	/35	/55	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B	Brg Width = 3.5			Min Req = 1.5		
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.242	D	Brg Width = 1.5			Min Req = -		
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.038	C	Brg Width = 1.5			Min Req = -		
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000	Bearing B is a rigid surface.						
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#						
	Loc. from endwall: Any	Plate Type(s):								
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20							
	Wind Duration: 1.60									

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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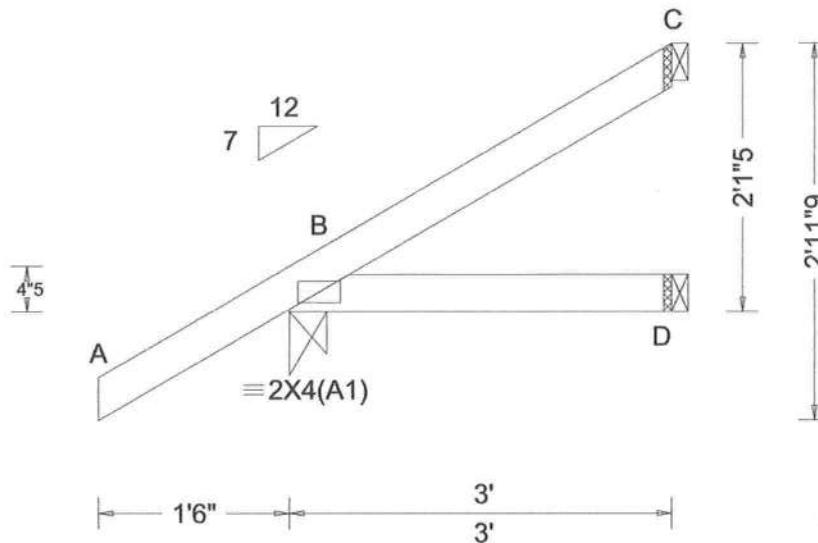
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29713 FROM:	JACK Qty: 2	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: J05	Cust: R 215 JRef: 1X922150005 T15 DrwNo: 266.21.1405.52570 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.065 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 265 /- /- /192 /36 /86 D 50 /- /- /32 /- /- C 63 /- /- /38 /38 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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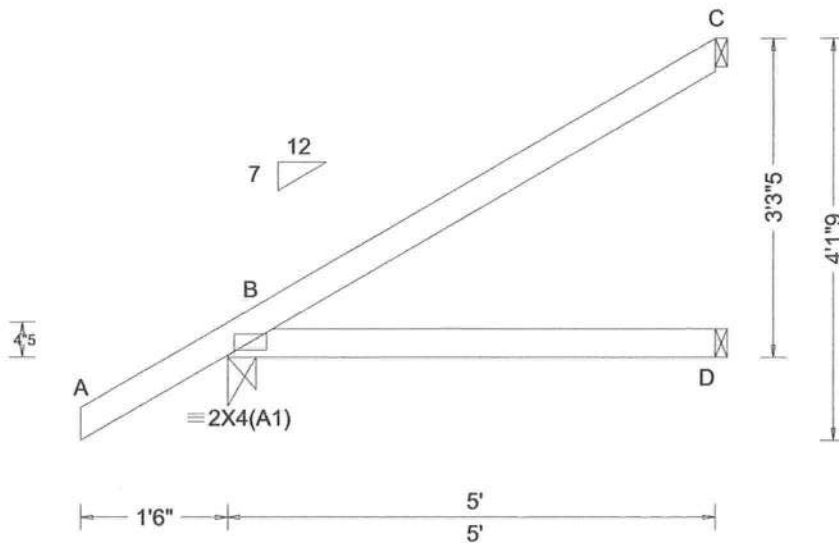
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29716	EJAC	Ply: 1	Job Number: 21-6101	Cust: R 215 JRef: 1X922150005 T42
FROM:		Qty: 8	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1405.53993
			Truss Label: J06	/ YK 09/23/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCCL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ / R- / Rh / Rw / U / RL
BCCL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 335 /- /- /232 /34 /127
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 B - -	D 90 /- /- /52 /- /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.008 B - -	C 129 /- /- /83 /71 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.327	B Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.237	D Brg Width = 1.5 Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.000	C Brg Width = 1.5 Min Req = -
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface.
	Loc. from endwall: not in 4.50 ft	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20	
	Wind Duration: 1.60			

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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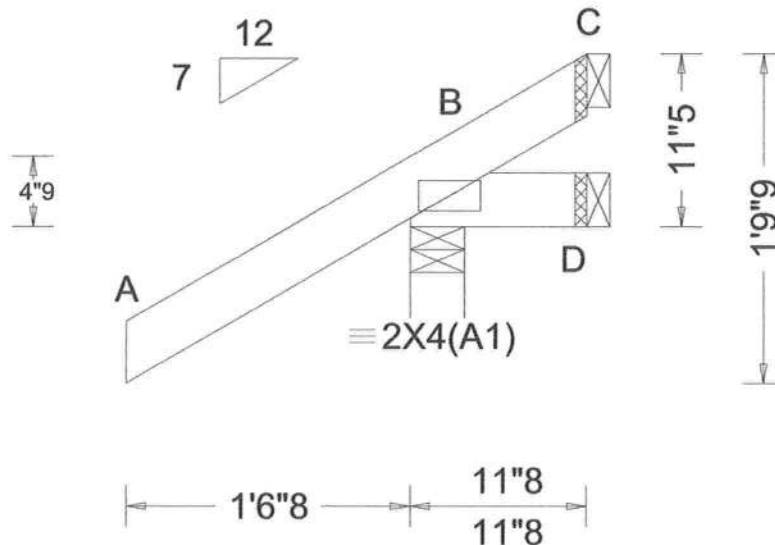
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29719	JACK	Ply: 1	Job Number: 21-6101	Cust: R 215 JRef: 1X922150005 T17
FROM:		Qty: 6	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1405.55707
			Truss Label: J07	/ YK 09/23/2021



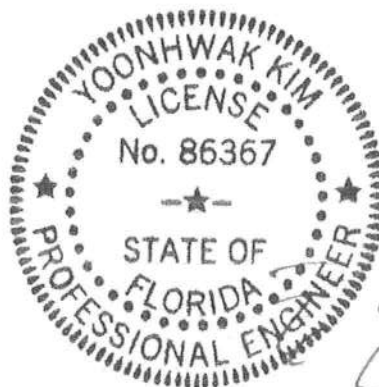
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 269 /- /- /218 /67 /44
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B - -	D 4 /-19 /- /15 /16 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B - -	C - /-67 /- /38 /64 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.258	B Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.040	D Brg Width = 1.5 Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000	C Brg Width = 1.5 Min Req = -
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface.
	Loc. from endwall: Any	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20	
	Wind Duration: 1.60			

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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

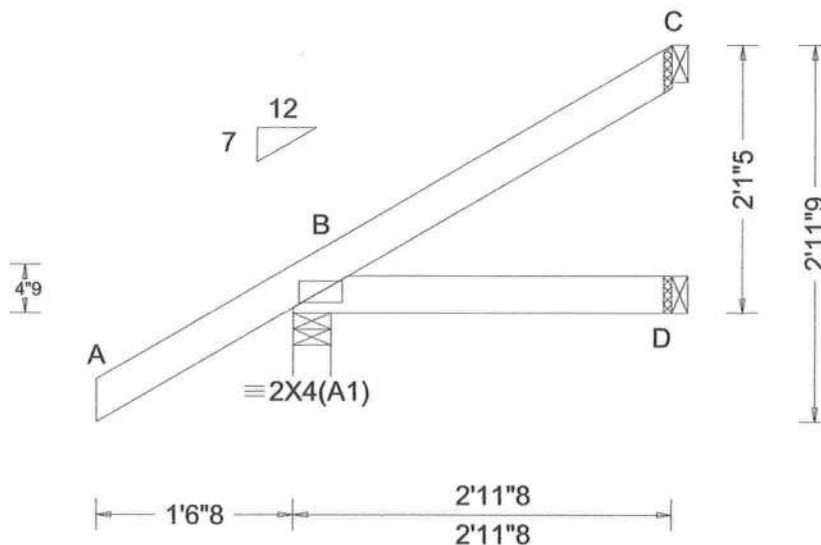
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29722	JACK	Ply: 1	Job Number: 21-6101	Cust: R 215	JRef: 1X922150005	T16
FROM:		Qty: 6	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1405.58753		
			Truss Label: J08	/ YK	09/23/2021	



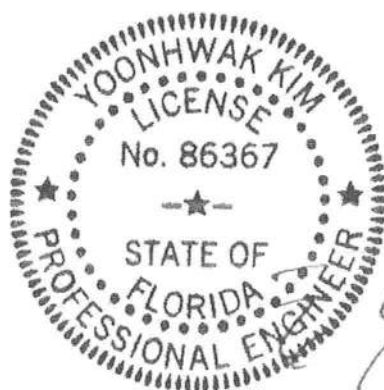
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 268 /- /- /195 /37 /85
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 B - -	D 49 /- /- /32 /- /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B - -	C 61 /- /- /36 /38 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.199	B Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.063	D Brg Width = 1.5 Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000	C Brg Width = 1.5 Min Req = -
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface.
	Loc. from endwall: not in 4.50 ft	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20	
	Wind Duration: 1.60			

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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

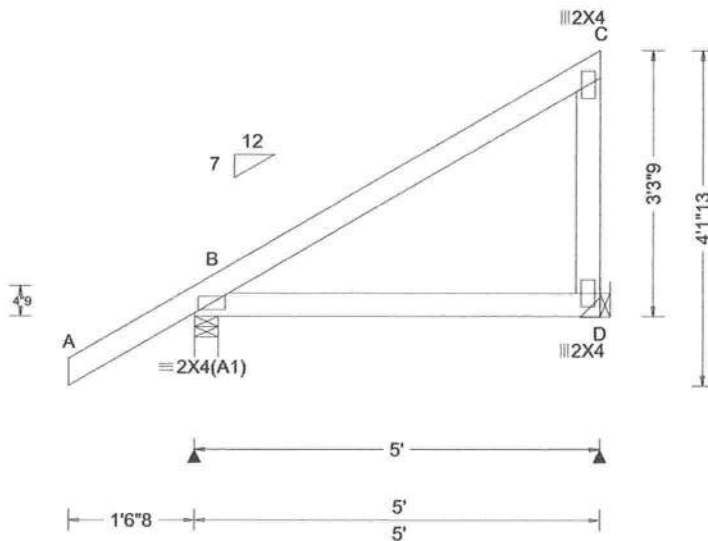
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29701	MONO	Ply: 1	Job Number: 21-6101	Cust: R 215 JRef: 1X922150005 T23
FROM:		Qty: 5	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1406.01017
			Truss Label: J11	/ YK 09/23/2021



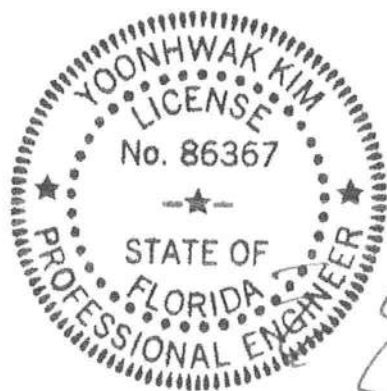
Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs)							
TCLL:	20.00	Wind Std:	ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/defl	L/#	Gravity			Non-Gravity			
TCDL:	10.00	Speed:	130 mph	Pf: NA		Ce: NA					Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(LL):	NA			B	338	/-	/-	/235	/34	/128
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		VERT(CL):	NA			D	182	/-	/-	/131	/59	/-
Des Ld:	40.00	EXP:	C Kzt: NA				HORZ(LL):	0.003	B	-	-	Wind reactions based on MWFRS					
NCBCLL:	10.00	Mean Height:	15.00 ft	Building Code:			HORZ(TL):	0.006	B	-	-	B	Brg Width = 3.5		Min Req = 1.5		
Soffit:	2.00	TCDL:	5.0 psf	FBC 7th Ed. 2020 Res.			Creep Factor:	2.0				D	Brg Width = -		Min Req = -		
Load Duration:	1.25	BCDL:	5.0 psf	TPI Std:	2014		Max TC CSI:	0.305				Bearing B is a rigid surface.					
Spacing:	24.0 "	MWFRS Parallel Dist:	0 to h/2	Rep Fac:	Yes		Max BC CSI:	0.222				Members not listed have forces less than 375#					
		C&C Dist a:	3.00 ft	FT/RT:	20(0)/10(0)		Max Web CSI:	0.142				VIEW Ver: 21.01.01A.0521.20					
		Loc. from endwall:	not in 4.50 ft	Plate Type(s):													
		GCpi:	0.18	WAVE													
		Wind Duration:	1.60														

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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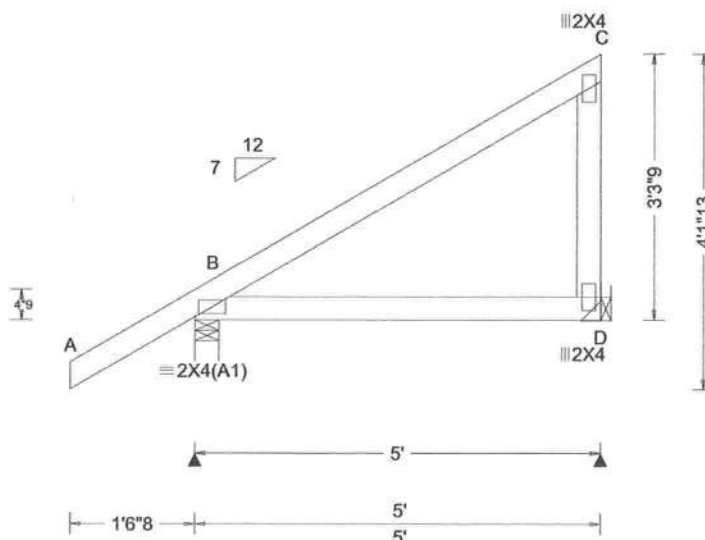
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29774	MONO	Ply: 1	Job Number: 21-6101	Cust: R 215	JRef: 1X922150005	T78
FROM:		Qty: 1	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1406.05117		
			Truss Label: J12	/ YK	09/23/2021	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B	338	/-	/-	/-	179	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 B - -	D	476	/-	/-	/-	172	/-
	EXP: C Kzt: NA		HORZ(TL): 0.006 B - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	B	Brg Width = 3.5		Min Req = 1.5			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.335	D	Brg Width = -		Min Req = -			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.222	Bearing B is a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.096	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.00 ft									
	Loc. from endwall: not in 4.50 ft									
	GCpi: 0.18									
	Wind Duration: 1.60		VIEW Ver: 21.01.01A.0521.20							

Lumber

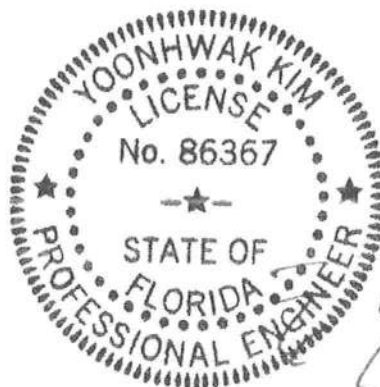
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.54 to 63 plf at 5.00
BC: From 5 plf at -1.54 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 5.00
TC: 212 lb Conc. Load at 5.00
BC: 82 lb Conc. Load at 5.00

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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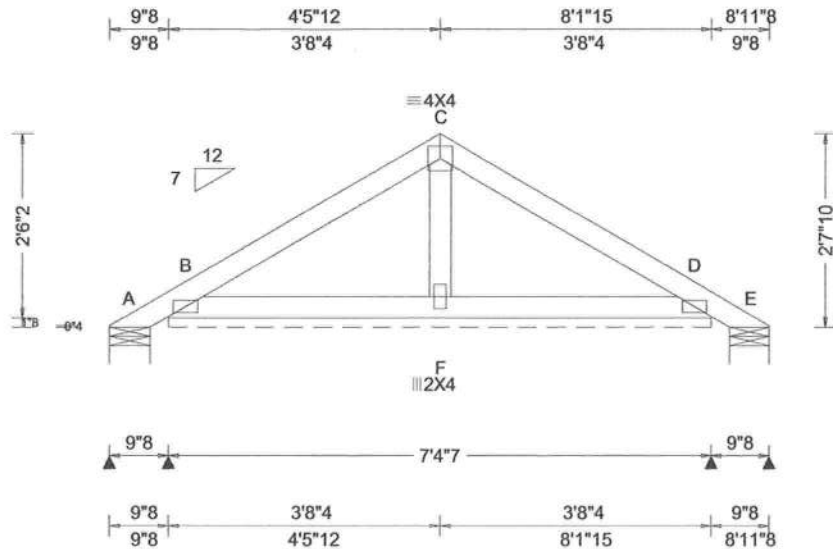
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29899	SPEC	Ply: 1 Qty: 4	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: PB01	Cust: R 215 JRef: 1X922150005 T69 DwnNo: 266.21.1406.08647 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
				Loc	R+	R-	Rh	Rw	U	RL
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 B 999 240 VERT(CL): 0.002 B 999 180 HORZ(LL): -0.001 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.141 Max BC CSI: 0.064 Max Web CSI: 0.022 VIEW Ver: 21.01.01A.0521.20	A	-	/-55	/-	/58	/79	/67
				B*	92	/-	/-	/62	/13	/-
				E	-	/-55	/-	/25	/45	/-

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

Additional Notes

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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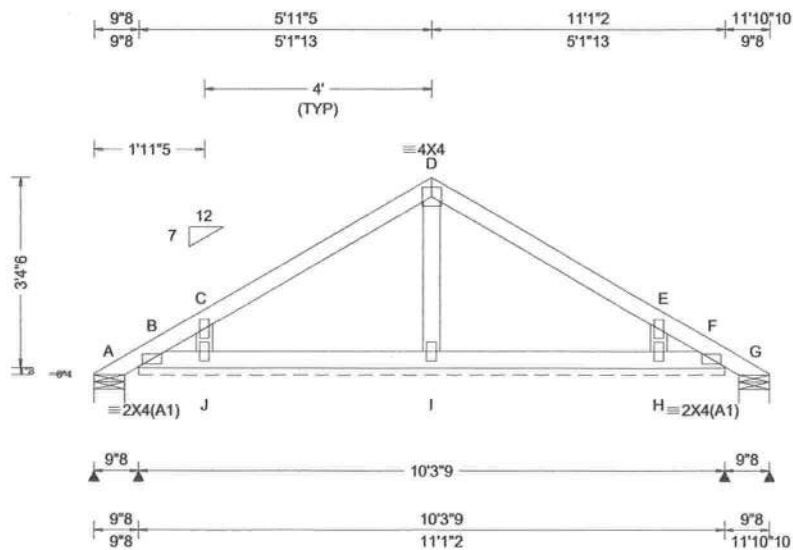
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29902	COMM	Ply: 1 Qty: 4	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: PB02	Cust: R 215 JRef: 1X922150005 T36 DrwNo: 266.21.1406.11287 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.90 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 D 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): 0.000 F - - HORZ(TL): 0.001 F - - Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.053 Max Web CSI: 0.060 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 23 /- /- /57 /41 /90 B* 70 /- /- /51 /7 /- G 23 /- /- /19 /4 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 123 Min Req = - G Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & G 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

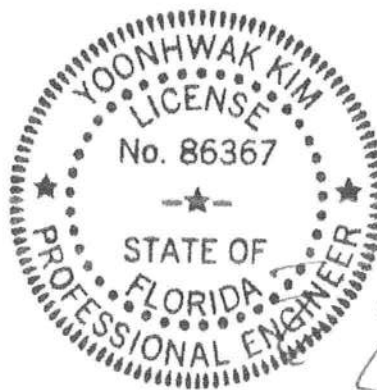
All plates are 2X4 except as noted.

Wind

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

Additional Notes

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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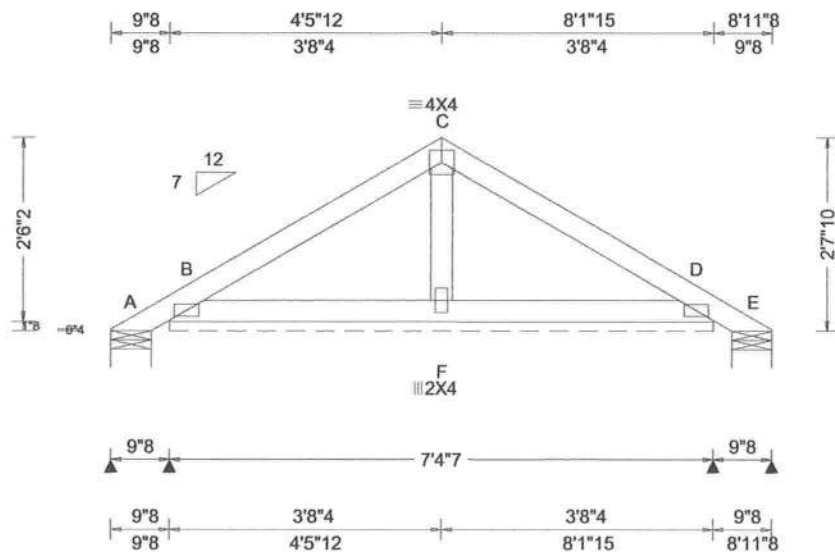
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29905	COMN	Ply: 1	Job Number: 21-6101	Cust: R 215 JRef: 1X922150005 T45
FROM:		Qty: 1	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1406.13127
			Truss Label: PB03	/ YK 09/23/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCCL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 B 999 180	A - /-55 /- /59 /77 /67
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 D - -	B* 92 /- /- /61 /16 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.002 D - -	E - /-55 /- /26 /44 /-
NCBCLL: 10.00	Mean Height: 20.33 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.141	A Brg Width = 6.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 2.0 psf	TPI Std: 2014	Max BC CSI: 0.063	B Brg Width = 88.4 Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.022	E Brg Width = 6.5 Min Req = 1.5
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearings A, B, & E are a rigid surface.
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20	
	Wind Duration: 1.60			

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

Additional Notes

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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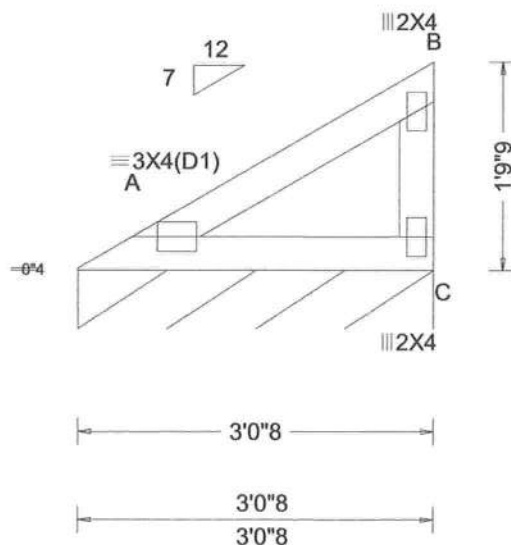
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29737 FROM:	VAL	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: V01	Cust: R 215 JRef: 1X922150005 T40 DrwNo: 266.21.1406.17713 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF						
				Gravity	Non-Gravity					
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.63 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 A - - HORZ(TL): 0.003 A - - Creep Factor: 2.0 Max TC CSI: 0.104 Max BC CSI: 0.087 Max Web CSI: 0.041 VIEW Ver: 21.01.01A.0521.20	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
				C* 83	/-	/-	/50	/1	/12	
				Wind reactions based on MWFRS						
				C Brg Width = 36.5 Min Req = -						
				Bearing A is a rigid surface.						
				Members not listed have forces less than 375#						

Lumber

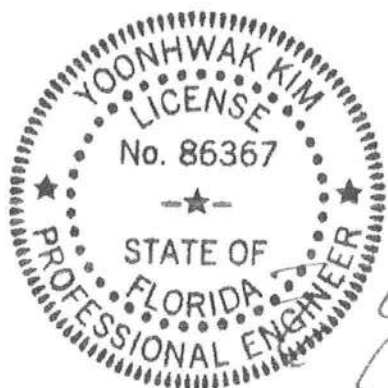
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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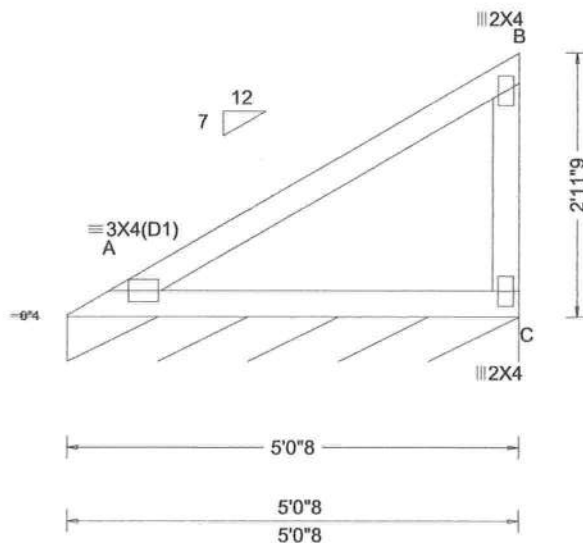
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29740	VAL	Ply: 1	Job Number: 21-6101	Cust: R 215 JRef: 1X922150005 T50
FROM:		Qty: 1	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1406.19623
			Truss Label: V02	/ YK 09/23/2021



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs), or *=PLF							
TCLL:	20.00	Wind Std:	ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/defl	L/#	Gravity			Non-Gravity			
TCDL:	10.00	Speed:	130 mph	Pf: NA		Ce: NA	VERT(LL):	NA			Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL):	NA			C* 83	/-	/-	/53	/2	/13	
BCDL:	10.00	Risk Category:	II	Snow Duration: NA			HORZ(LL):	0.006	A	- -	Wind reactions based on MWFRS						
		EXP:	C Kzt: NA				HORZ(TL):	0.013	A	- -	C Brg Width = 60.5 Min Req = -						
Des Ld:	40.00	Mean Height:	15.04 ft				Creep Factor:	2.0	Bearing A is a rigid surface.								
NCBCLL:	10.00	TCDL:	5.0 psf	Building Code:			Max TC CSI:	0.316	Members not listed have forces less than 375#								
Soffit:	2.00	BCDL:	5.0 psf	FBC 7th Ed. 2020 Res.			Max BC CSI:	0.280									
Load Duration:	1.25	MWFRS Parallel Dist:	h to 2h	TPI Std: 2014			Max Web CSI:	0.128									
Spacing:	24.0 "	C&C Dist a:	3.00 ft	Rep Fac: Yes													
		Loc. from endwall:	not in 9.00 ft	FT/RT:20(0)/10(0)													
		GCpi:	0.18	Plate Type(s):													
		Wind Duration:	1.60	WAVE			VIEW Ver: 21.01.01A.0521.20										

Lumber

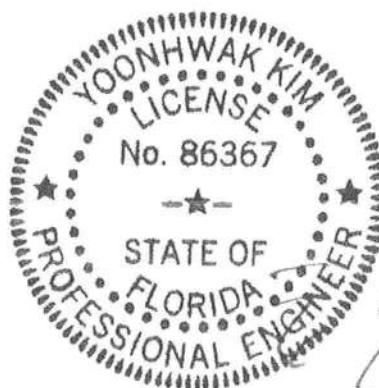
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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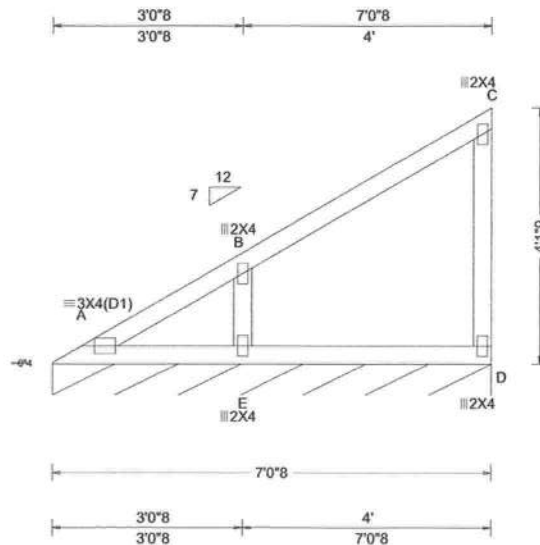
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29743	VAL	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: V03	Cust: R 215 JRef: 1X922150005 T3 DrwNo: 266.21.1406.22007 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 A 999 240 VERT(CL): 0.003 A 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.233 Max BC CSI: 0.117 Max Web CSI: 0.089 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 83 /- /- /54 /3 /14 Wind reactions based on MWFRS D Brg Width = 84.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

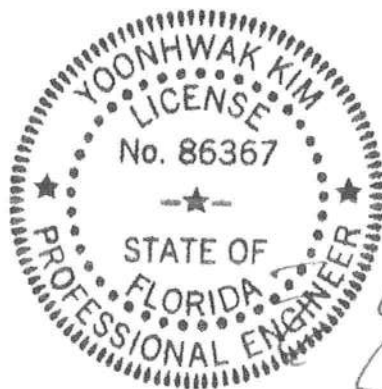
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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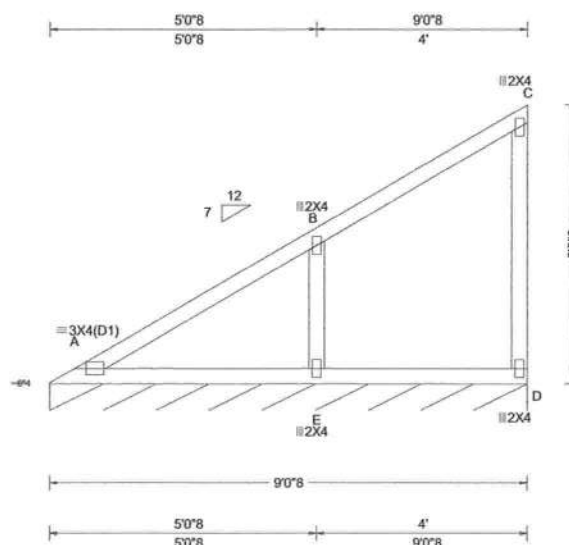
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29746	VAL	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: V04	Cust: R 215 JRef: 1X922150005 T41 DrwNo: 266.21.1406.23940 / YK 09/23/2021
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg, Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs), or *=PLF						
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCCL: 10.00	Speed: 130 mph	Pf: NA	Cs: NA	Ce: NA	VERT(LL): 0.012 A 999 240	D* 83	/-	/-	/54	/3	/14			
BCLL: 0.00	Enclosure: Closed	Lu: NA			VERT(CL): 0.025 A 999 180	Wind reactions based on MWFRS								
BCDL: 10.00	Risk Category: II	Snow Duration: NA			HORZ(LL): 0.004 A - -	D Brg Width = 108 Min Req = -								
Des Ld: 40.00	EXP: C Kzt: NA	Building Code:			HORZ(TL): 0.008 A - -	Bearing A is a rigid surface.								
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 7th Ed. 2020 Res.			Creep Factor: 2.0	Members not listed have forces less than 375#								
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014			Max TC CSI: 0.330									
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes			Max BC CSI: 0.236									
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	FT/RT: 20(0)/10(0)			Max Web CSI: 0.095									
	C&C Dist a: 3.00 ft	Plate Type(s):			VIEW Ver: 21.01.01A.0521.20									
	Loc. from endwall: not in 9.00 ft	WAVE												
	GCpi: 0.18													
	Wind Duration: 1.60													

Lumber

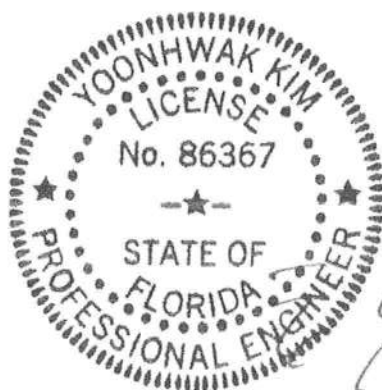
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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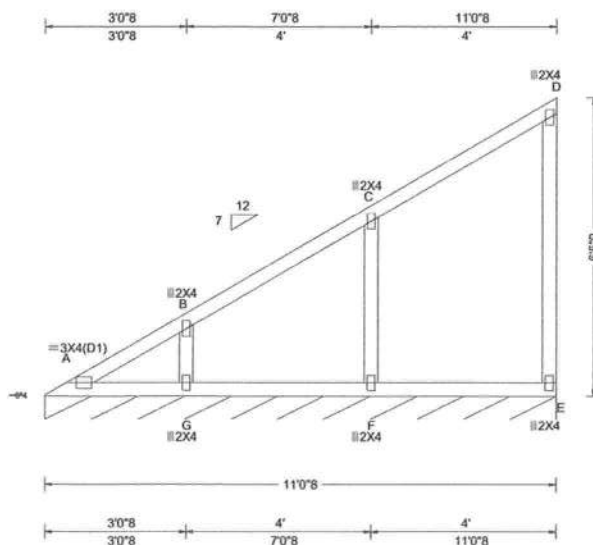
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29749	VAL	Ply: 1	Job Number: 21-6101	Cust: R 215 JRef: 1X922150005 T54
FROM:		Qty: 1	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1406.26287
			Truss Label: V05	/ YK 09/23/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 A 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 A 999 180	E* 83 /- /- /55 /3 /14
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 D - -	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.004 D - -	E Brg Width = 132 Min Req = -
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 7th Ed. 2020 Res.	Creep Factor: 2.0	Bearing A is a rigid surface.
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.261	Members not listed have forces less than 375#
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.157	
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	FT/RT: 20(0)/10(0)	Max Web CSI: 0.094	
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 21.01.01A.0521.20	
	Loc. from endwall: not in 9.00 ft	WAVE		
	GCpi: 0.18			
	Wind Duration: 1.60			

Lumber

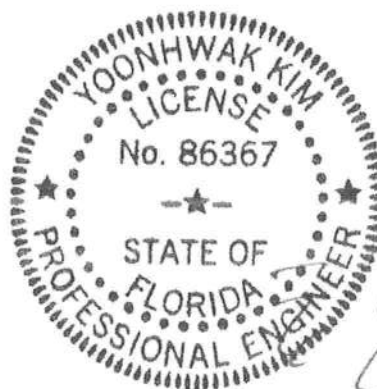
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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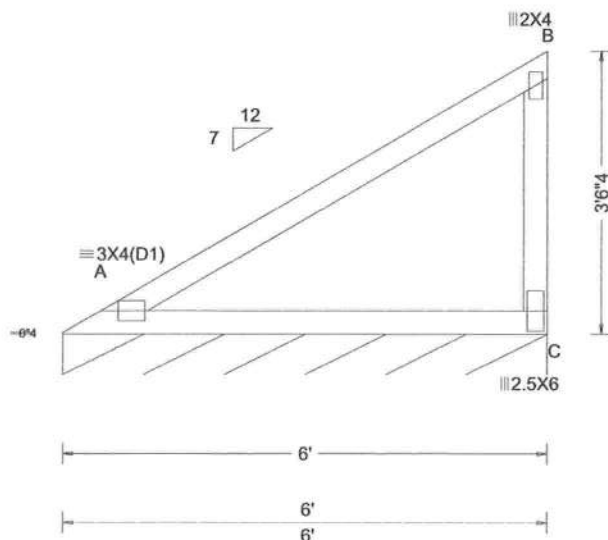
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29752	VAL	Ply: 1	Job Number: 21-6101	Cust: R 215	JRef: 1X922150005	T63
FROM:		Qty: 1	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1406.29720		
			Truss Label: V06	/ YK	09/23/2021	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.010 A - - HORZ(TL): 0.021 A - - Creep Factor: 2.0 Max TC CSI: 0.469 Max BC CSI: 0.387 Max Web CSI: 0.189 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 83 /- /- /53 /3 /14 Wind reactions based on MWFRS C Brg Width = 72.0 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

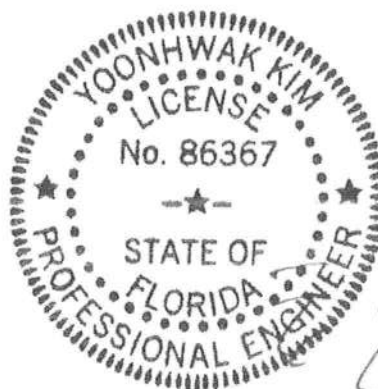
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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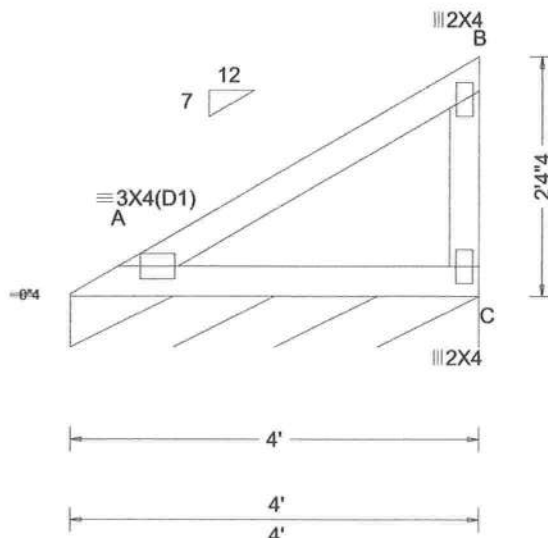
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29755	VAL	Ply: 1	Job Number: 21-6101	Cust: R 215	JRef: 1X922150005	T61
FROM:		Qty: 1	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1406.31547		
			Truss Label: V07	/ YK	09/23/2021	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF						
				Gravity	Non-Gravity					
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
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): 0.003 A - -							
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.006 A - -							
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0							
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.185							
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.153							
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.074							
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)								
	Loc. from endwall: not in 9.00 ft	Plate Type(s):								
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20							
	Wind Duration: 1.60									

Lumber

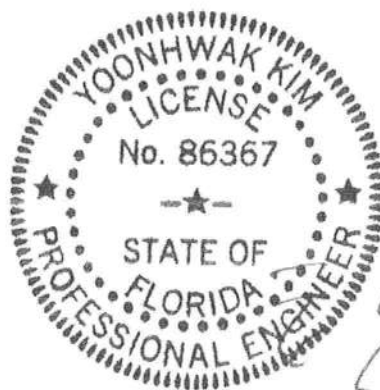
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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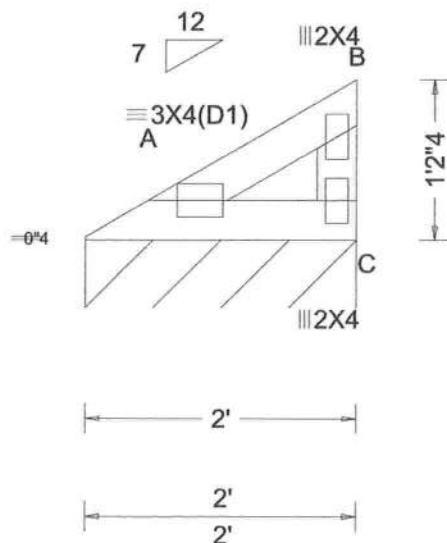
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29758	VAL	Ply: 1	Job Number: 21-6101	Cust: R 215	JRef: 1X922150005	T20
FROM:		Qty: 1	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1406.32890		
			Truss Label: V08	/ YK	09/23/2021	



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs), or *=PLF							
TCLL:	20.00	Wind Std:	ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/defl	L/#	Gravity			Non-Gravity			
TCDL:	10.00	Speed:	130 mph	Pf: NA		Ce: NA	VERT(LL):	NA			Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL):	NA			C* 82	/-	/-	/47	/6	/14	
BCDL:	10.00	Risk Category:	II	Snow Duration: NA							Wind reactions based on MWFRS						
Des Ld:	40.00	EXP: C	Kzt: NA								C Brg Width = 24.0 Min Req = -						
NCBCLL:	10.00	Mean Height:	15.00 ft				Building Code:				Bearing A is a rigid surface.						
Soffit:	2.00	TCDL:	5.0 psf				FBC 7th Ed. 2020 Res.				Members not listed have forces less than 375#						
Load Duration:	1.25	BCDL:	5.0 psf				TPI Std: 2014										
Spacing:	24.0 "	MWFRS Parallel Dist:	h/2 to h				Rep Fac: Yes										
		C&C Dist a:	3.00 ft				FT/RT:20(0)/10(0)										
		Loc. from endwall:	not in 9.00 ft				Plate Type(s):										
		GCpi:	0.18				WAVE										
		Wind Duration:	1.60														
							</										

Lumber

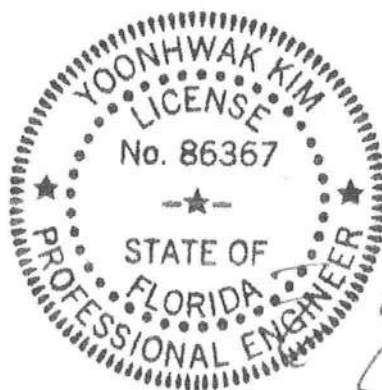
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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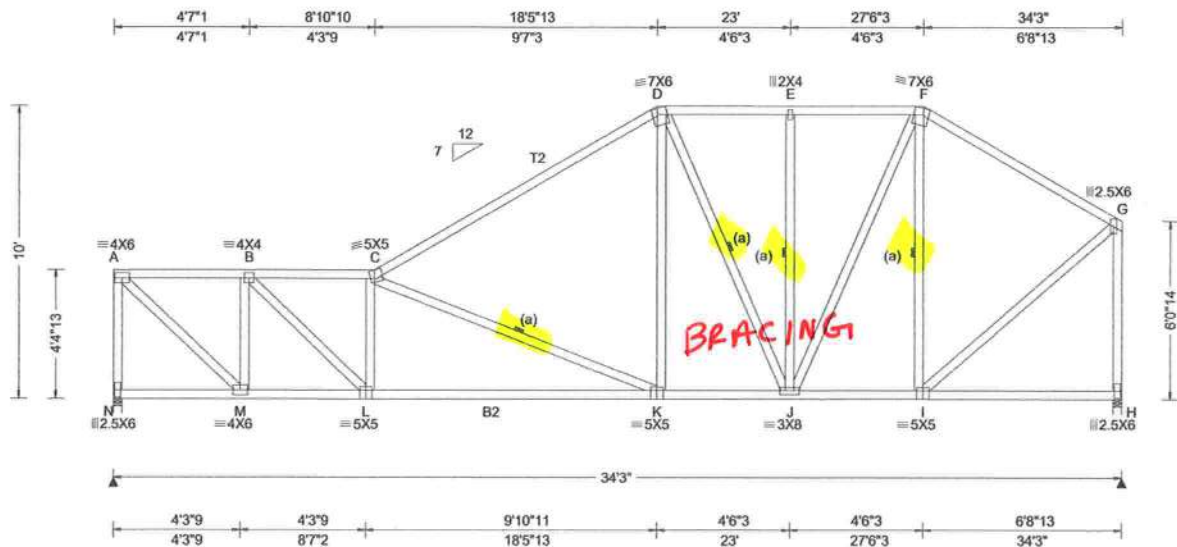
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29848	COMN	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B14	Cust: R 215 JRef: 1X922150005 T25 DrwNo: 266.21.1406.35100 / YK 09/23/2021
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs)							
TCLL: 20.00		Wind Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA			PP Deflection in loc L/defl L/#			Gravity Non-Gravity							
TCDL: 10.00		Speed: 130 mph		Pf: NA Ce: NA			VERT(LL): 0.101 C 999 240			Loc R+ / R-		/ Rh		/ Rw / U		/ RL	
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA			VERT(CL): 0.210 C 999 180			N 1424 -/-		-/		760 95		146	
BCDL: 10.00		Risk Category: II		Snow Duration: NA			HORZ(LL): 0.036 A - -			H 1424 -/-		-/		734 84		-/-	
Des Ld: 40.00		EXP: C Kzt: NA					HORZ(TL): 0.075 A - -			Wind reactions based on MWFRS							
NCBCLL: 10.00		Mean Height: 16.20 ft					Creep Factor: 2.0			N Brg Width = 3.5				Min Req = 1.7			
Soffit: 2.00		TCDL: 5.0 psf		Building Code:			Max TC CSI: 0.782			H Brg Width = 3.5				Min Req = 1.7			
Load Duration: 1.25		BCDL: 5.0 psf		FBC 7th Ed. 2020 Res.			Max BC CSI: 0.707			Bearings N & H are a rigid surface.							
Spacing: 24.0 "		MWFRS Parallel Dist: > 2h		TPI Std: 2014			Max Web CSI: 0.933			Members not listed have forces less than 375#							
		C&C Dist a: 3.42 ft		Rep Fac: Yes						Maximum Top Chord Forces Per Ply (lbs)							
		Loc. from endwall: not in 9.00 ft		FT/RT: 20(0)/10(0)						Chords		Tens.Comp.		Chords		Tens. Comp.	
		GCpi: 0.18		Plate Type(s):						A - B		486 - 1312		D - E		536 - 1109	
		Wind Duration: 1.60		WAVE			VIEW Ver: 21.01.01A.0521.20										

Lumber

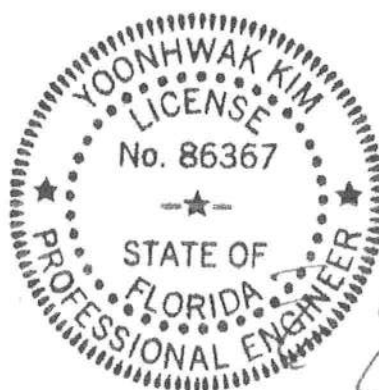
Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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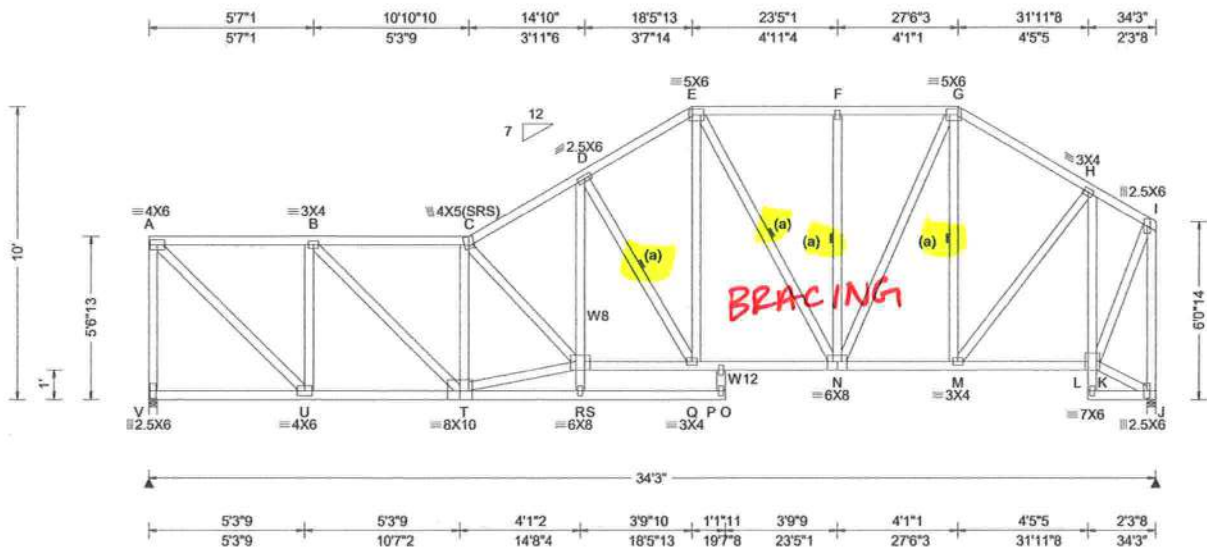
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29856	COMN	Ply: 1	Job Number: 21-6101	Cust: R 215	JRef: 1X922150005	T46
FROM:		Qty: 1	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1406.36930		
			Truss Label: B15	/ YK	09/23/2021	



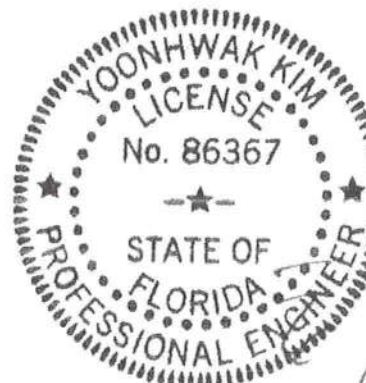
Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg, Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL:	20.00	Wind Std:	ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	Loc	R+	R-	Rh	Rw	U	RL
TCDL:	10.00	Speed:	130 mph	Pf: NA	Ce: NA		VERT(LL):	0.115	R	999	240			
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL):	0.240	R	999	180			
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL):	0.043	J	-	-			
Des Ld:	40.00	EXP: C	Kzt: NA				HORZ(TL):	0.089	J	-	-			
NCBCLL:	10.00	Mean Height:	16.78 ft	Building Code:			Creep Factor:	2.0						
Soffit:	2.00	TCDL:	5.0 psf	FBC 7th Ed. 2020 Res.			Max TC CSI:	0.432						
Load Duration:	1.25	BCDL:	5.0 psf	TPI Std:	2014		Max BC CSI:	0.454						
Spacing:	24.0"	MWFRS Parallel Dist:	h to 2h	Rep Fac:	Yes		Max Web CSI:	0.951						
		C&C Dist a:	3.42 ft	FT/RT: 20(0)/10(0)			VIEW Ver:	21.01.01A.0521.20						
		Loc. from endwall:	not in 9.00 ft	Plate Type(s):										
		GCpi:	0.18	WAVE										
		Wind Duration:	1.60											

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W8 2x4 SP M-31; W12 2x4 SP #2;

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

Plating Notes
All plates are 2X4 except as noted.

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



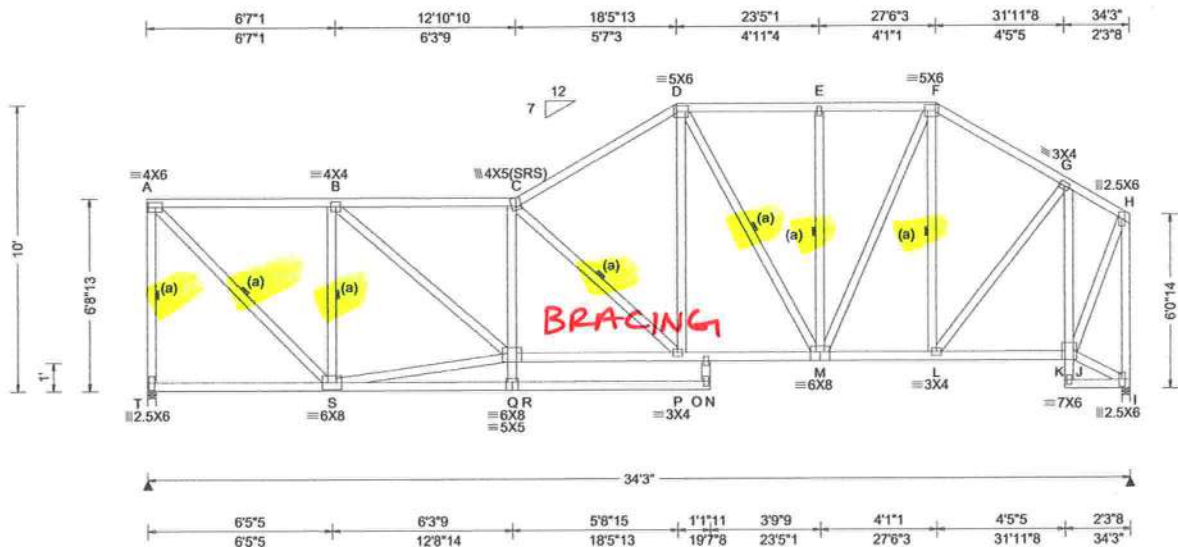
FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29860	COMN	Ply: 1	Job Number: 21-6101	Cust: R 215	JRef: 1X922150005	T57
FROM:		Qty: 1	Lot 20 Country Lakes - Barnett	DrwNo: 266.21.1406.50233		
			Truss Label: B16	/ YK	09/23/2021	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.04 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.42 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.112 C 999 240 VERT(CL): 0.234 C 999 180 HORZ(LL): 0.045 I - - HORZ(TL): 0.093 I - - Creep Factor: 2.0 Max TC CSI: 0.590 Max BC CSI: 0.501 Max Web CSI: 0.951 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL T 1424 /- /- /722 /172 /103 I 1424 /- /- /749 /177 /- Wind reactions based on MWFRS T Brg Width = 3.5 Min Req = 1.7 I Brg Width = 3.5 Min Req = 1.7 Bearings T & 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 528 -1207 E - F 604 -1228 B - C 874 -2175 F - G 487 -1115 C - D 719 -1714 G - H 228 -600 D - E 604 -1228

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.

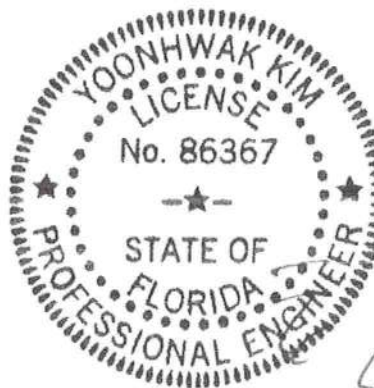
Wind

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.

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).



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

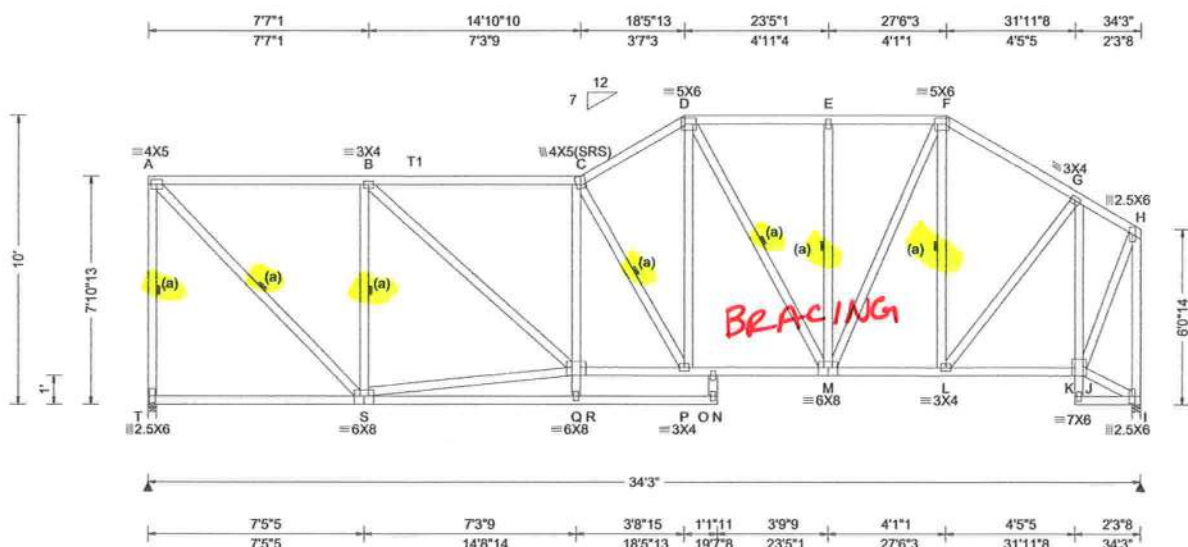
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29865 FROM:	COMN Qty: 1	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B17	Cust: R 215 JRef: 1X922150005 T49 DrwNo: 266.21.1406.53187 / YK 09/23/2021
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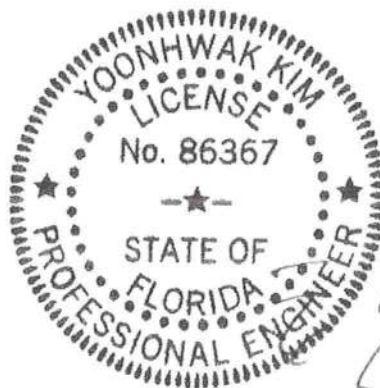
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.04 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.42 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.096 C 999 240 VERT(CL): 0.201 C 999 180 HORZ(LL): 0.038 I - - HORZ(TL): 0.078 I - - Creep Factor: 2.0 Max TC CSI: 0.399 Max BC CSI: 0.562 Max Web CSI: 0.951 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL T 1424 - / - / - /713 /205 /103 I 1424 - / - / - /761 /70 - Wind reactions based on MWFRS T Brg Width = 3.5 Min Req = 1.7 I Brg Width = 3.5 Min Req = 1.7 Bearings T & 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 541 -1152 E - F 622 -1229 B - C 820 -1867 F - G 499 -1115 C - D 765 -1683 G - H 233 -600 D - E 622 -1229

Lumber
Top chord: 2x4 SP #2; T1 2x4 SP M-31;
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.

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.
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).



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

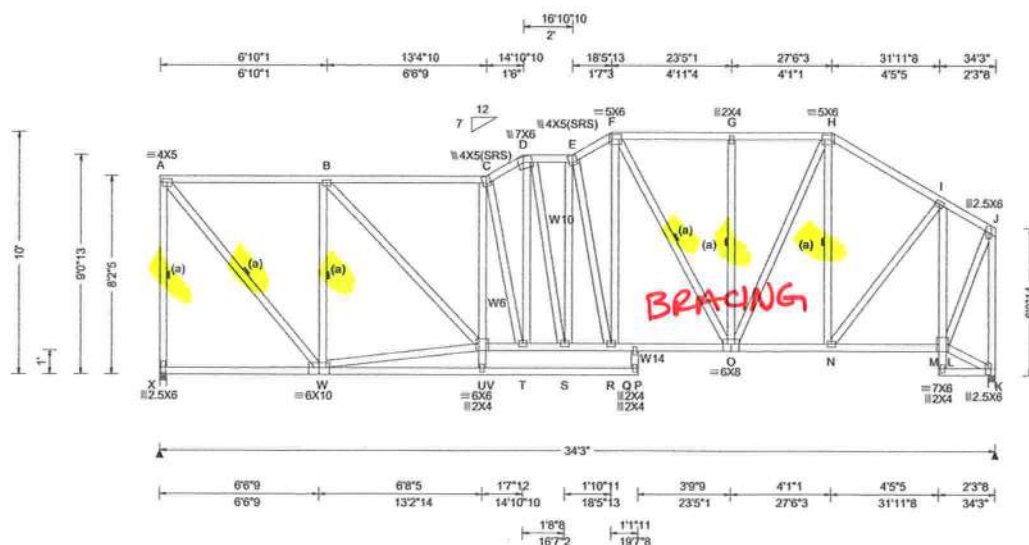
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29874 FROM:	COMN Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B18	Cust: R 215 JRef: 1X922150005 T52 DrwNo: 266.21.1406.55743 / YK 09/23/2021
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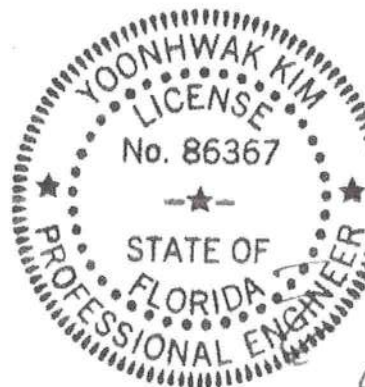
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.04 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.42 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.102 C 999 240 VERT(CL): 0.213 C 999 180 HORZ(LL): 0.040 A - - HORZ(TL): 0.083 A - - Creep Factor: 2.0 Max TC CSI: 0.822 Max BC CSI: 0.430 Max Web CSI: 0.951 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL X 1424 -/- /- /714 /210 /103 K 1424 -/- /- /765 /76 -/- Wind reactions based on MWFRS X Brg Width = 3.5 Min Req = 1.7 K Brg Width = 3.5 Min Req = 1.7 Bearings X & 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.

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W6,W10 2x4 SP M-31;
W14 2x4 SP #2;

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

Plating Notes
All plates are 3X4 except as noted.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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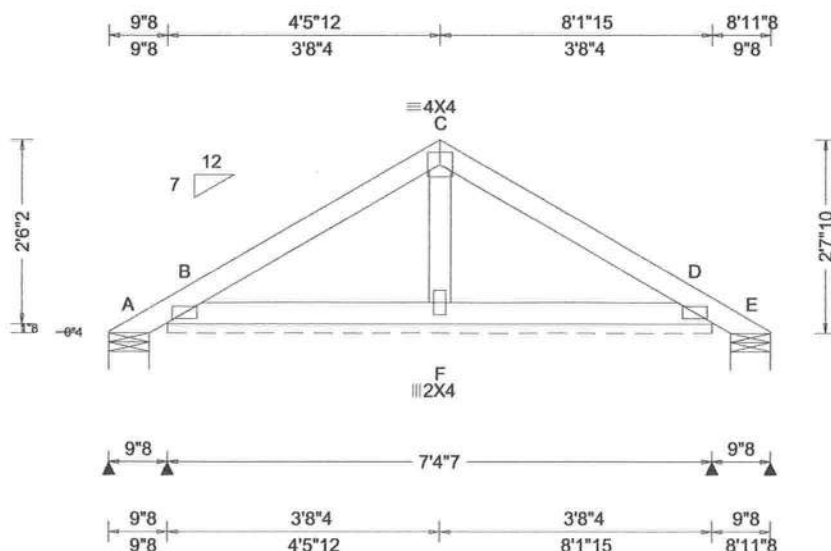
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Chords	Tens.Comp.	Chords	Tens. Comp.
U - T	1700 - 708	Q - O	1403 - 576
T - S	1500 - 620	O - N	900 - 347
S - R	1513 - 633	N - L	519 - 195
R - Q	1363 - 558		

Maximum Web Forces Per Ply (lbs)	Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.	Chords Tens.Comp. Chords Tens. Comp.
A - X 719 -1370 F - R 836 -328	U - T 1700 - 708 Q - O 1403 - 576
A - W 1574 - 755 O - H 770 - 387	T - S 1500 - 620 O - N 900 - 347
W - B 718 - 1221 H - N 258 - 439	S - R 1513 - 633 N - L 519 - 195
W - U 979 - 416 N - I 639 - 256	R - Q 1363 - 558
B - U 989 - 406 I - L 427 - 995	
C - T 409 - 907 L - J 1182 - 443	
D - T 732 - 329 J - K 517 - 1396	
E - R 383 - 741	

SEQN: 29912 FROM:	COMN Qty: 5	Ply: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: PB04	Cust: R 215 JRef: 1X922150005 T19 DrwNo: 266.21.1406.59257 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.33 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 B 999 240 VERT(CL): 0.002 B 999 180 HORZ(LL): -0.001 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.141 Max BC CSI: 0.063 Max Web CSI: 0.022 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-55 /- /58 /76 /66 B* 92 /- /- /61 /11 /- E - /-55 /- /25 /44 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 88.4 Min Req = - E Brg Width = 6.5 Min Req = 1.5 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

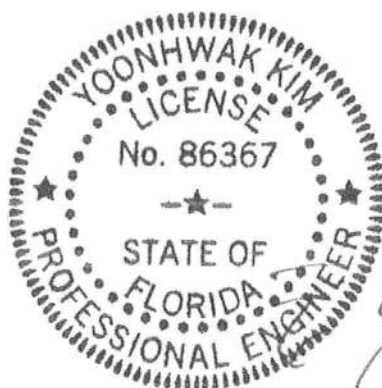
All plates are 2X4(A1) except as noted.

Wind

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

Additional Notes

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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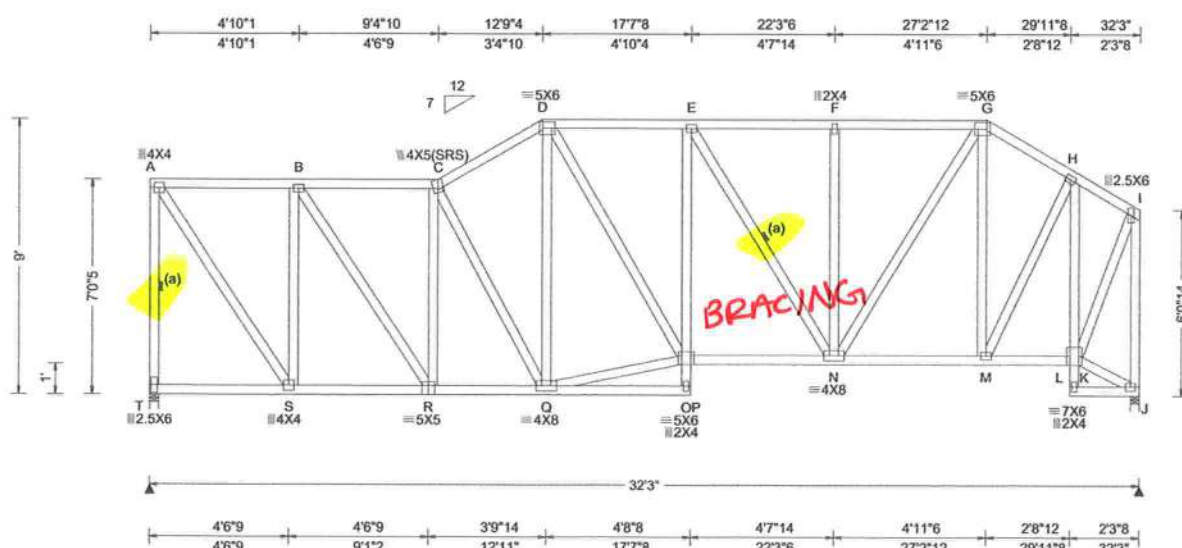
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SEQN: 29916 FROM:	COMN Qty: 1	Ply: 1 Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B19	Cust: R 215 JRef: 1X922150005 T60 DrwNo: 266.21.1407.02223 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.35 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.22 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.070 O 999 240 VERT(CL): 0.145 O 999 180 HORZ(LL): 0.030 J - - HORZ(TL): 0.063 J - - Creep Factor: 2.0 Max TC CSI: 0.310 Max BC CSI: 0.412 Max Web CSI: 0.950 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL T 1341 - / - / - /686 /29 /78 J 1341 - / - / - /723 - / - Wind reactions based on MWFRS T Brg Width = 3.5 Min Req = 1.6 J Brg Width = 3.5 Min Req = 1.6 Bearings T & 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 156 -799 E - F 0 -1220 B - C 146 -1307 F - G 0 -1220 C - D 99 -1435 G - H 24 -908 D - E 24 -1432 H - I 3 -566

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 3X4 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

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
S - R	846 -157	N - M	752 0
R - Q	1335 -134	M - K	478 0
O - N	1435 0		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - T	343 -1304	E - N	64 -411
A - S	1428 -279	N - G	865 0
S - B	285 -1079	G - M	0 -542
B - R	861 0	M - H	658 0
R - C	1 -657	H - K	0 -920
D - O	438 0	K - I	1087 0
Q - O	1214 -23	I - J	0 -1312

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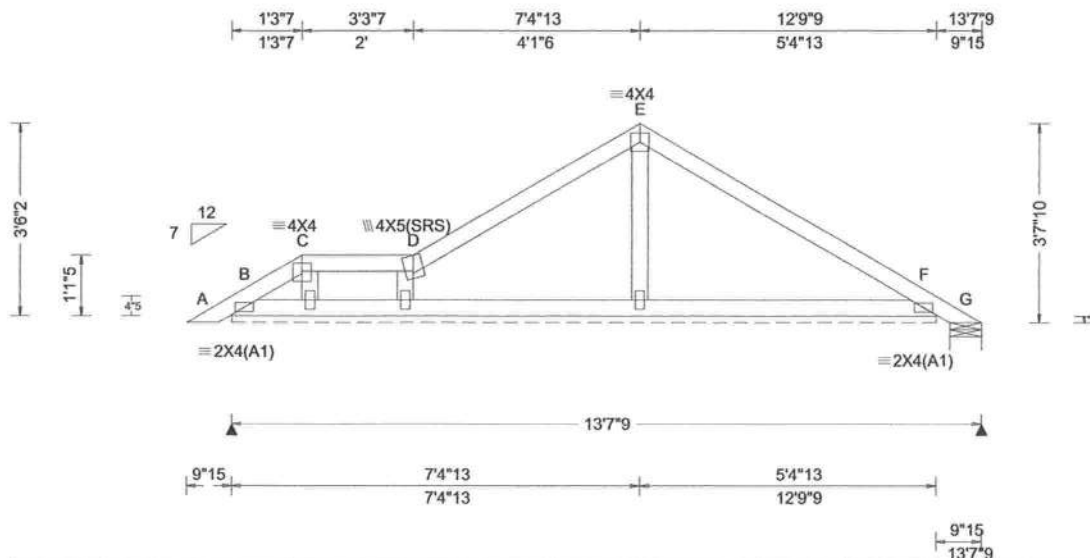
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Suite 305
Orlando FL, 32821

SEQN: 29938 FROM:	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: PB05	Cust: R 215 JRef: 1X922150005 T58 DrwNo: 266.21.1407.05440 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.35 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 F 999 240 VERT(CL): 0.006 F 999 180 HORZ(LL): -0.003 F - - HORZ(TL): 0.004 F - - Creep Factor: 2.0 Max TC CSI: 0.324 Max BC CSI: 0.112 Max Web CSI: 0.064 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 87 /- /- /59 /14 /7 G - /-185 /- /72 /151 /- F /-123 Wind reactions based on MWFRS B Brg Width = 153 Min Req = - G Brg Width = 6.9 Min Req = 1.5 Bearings B & G 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 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.

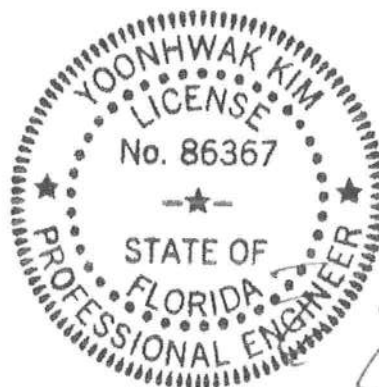
Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -185# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

Refer to DWG PB160160118 for piggyback details.



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09/23/2021

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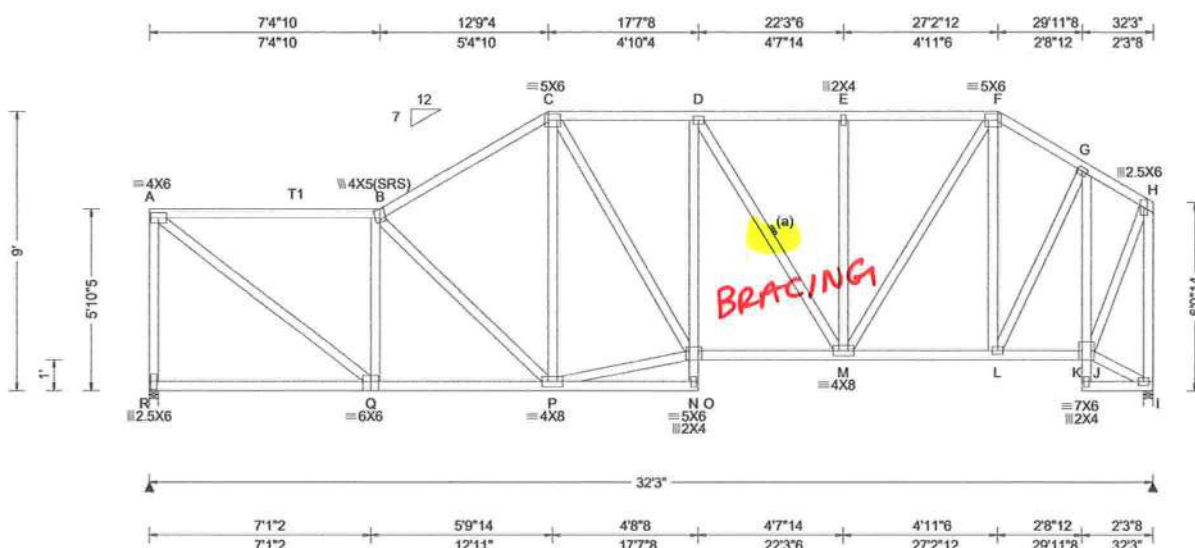
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 29920 FROM:	COMN Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: B20	Cust: R 215 JRef: 1X922150005 T11 DrwNo: 266.21.1407.07667 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.25 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.22 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.070 N 999 240 VERT(CL): 0.146 N 999 180 HORZ(LL): 0.030 I - - HORZ(TL): 0.062 I - - Creep Factor: 2.0 Max TC CSI: 0.480 Max BC CSI: 0.579 Max Web CSI: 0.894 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL R 1341 - / - / 707 - / 84 I 1341 - / - / 714 - / - Wind reactions based on MWFRS R Brg Width = 3.5 Min Req = 1.6 I Brg Width = 3.5 Min Req = 1.6 Bearings R & 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 137 - 1381 E - F 0 - 1220 B - C 61 - 1489 F - G 14 - 908 C - D 0 - 1431 G - H 0 - 566 D - E 0 - 1220

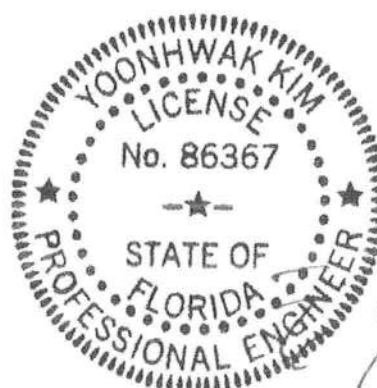
Lumber
Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

Plating Notes
All plates are 3X4 except as noted.

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

Additional Notes
Refer to DWG PB160160118 for piggyback details.



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09/23/2021

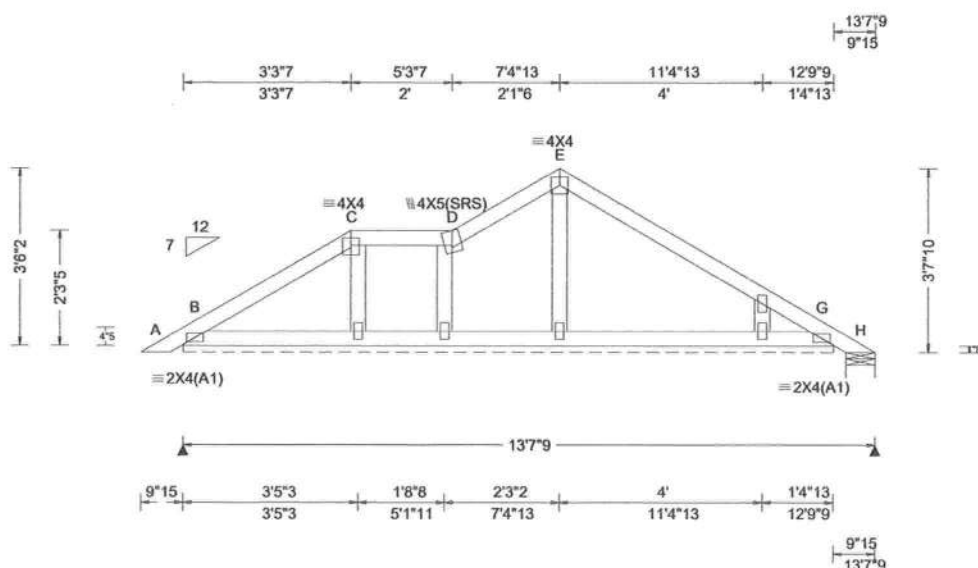
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6750 Forum Drive
Suite 305
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SEQN: 29935 FROM:	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 21-6101 Lot 20 Country Lakes - Barnett Truss Label: PB06	Cust: R 215 JRef: 1X922150005 T5 DrwNo: 266.21.1407.11070 / YK 09/23/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.25 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 B 999 240 VERT(CL): 0.003 B 999 180 HORZ(LL): -0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.064 Max Web CSI: 0.048 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 70 /- /- /46 /9 /7 H 30 /- /- /22 /6 /- Wind reactions based on MWFRS B Brg Width = 153 Min Req = - H Brg Width = 6.9 Min Req = 1.5 Bearings B & H 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 except as noted.

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/23/2021

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

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

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

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



6750 Forum Drive
Suite 305
Orlando FL, 32821

Gable Stud Reinforcement Detail

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

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

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

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

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

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

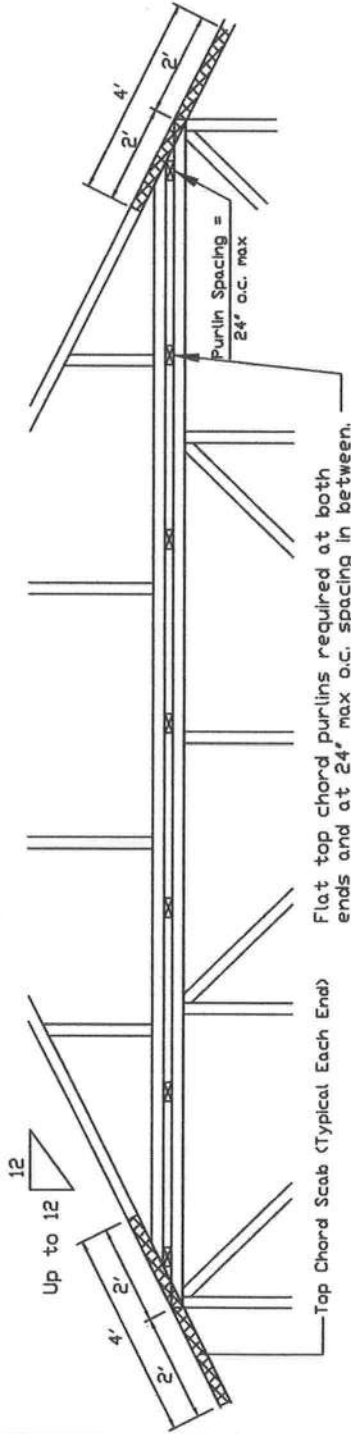
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.00, U= 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, Wind DL= 5.0 psf (min), Kzt=1.00.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, chimney or drag strut loads.

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

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



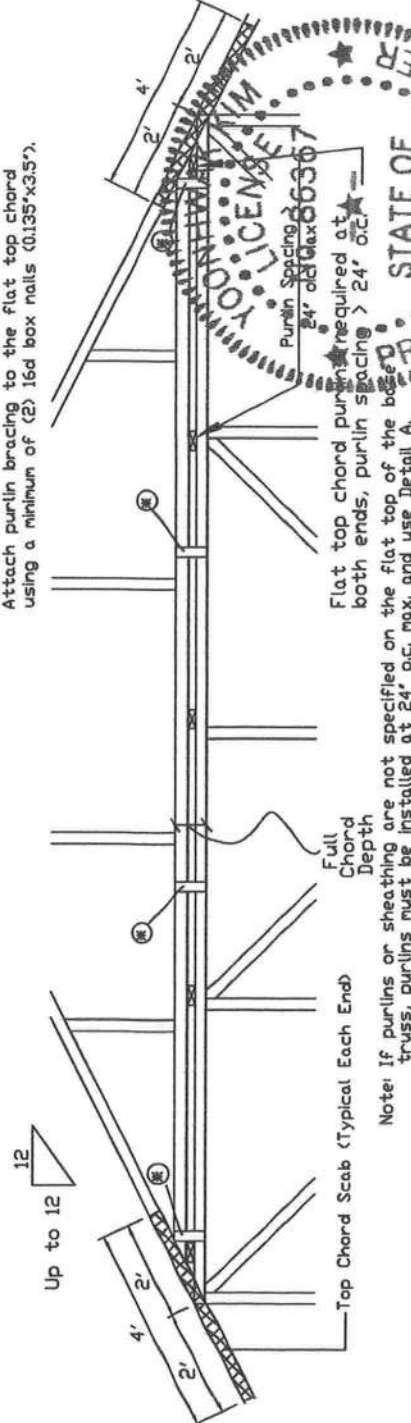
Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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

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

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

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



* 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 (5) 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**
Use 28PB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of installation. 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.

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING. FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.
Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, by TPI and SCSA for safety practices prior to performing these functions. Installers shall provide temporary bracing and bottom chord bracing as shown on drawings. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs of trusses and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 1004-2 for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from the drawings, including any omissions, errors or omissions, or for any damage to property or persons resulting from the use of 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: www.alpineinc.com, www.bcsiinc.com, www.tpi.com, www.scsa.com

REF PIGGYBACK
DATE 01/02/2018
DRWG PB160160118



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SPACING 24.0"

Valley Detail - ASCE 7-16: 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.

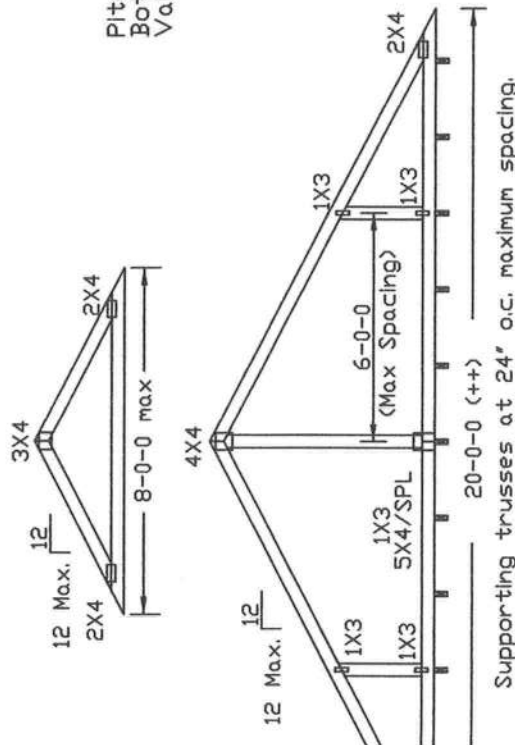
** Attach each valley to every supporting truss with:
 535# connection or with (1) Simpson H2.5A or
 equivalent connector for
 ASCE 7-16 180 mph. 30' Mean Height, Part. Enc.
 Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00

Or
 ASCE 7-16 160 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.



Supporting trusses at 24' o.c. maximum spacing.

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.

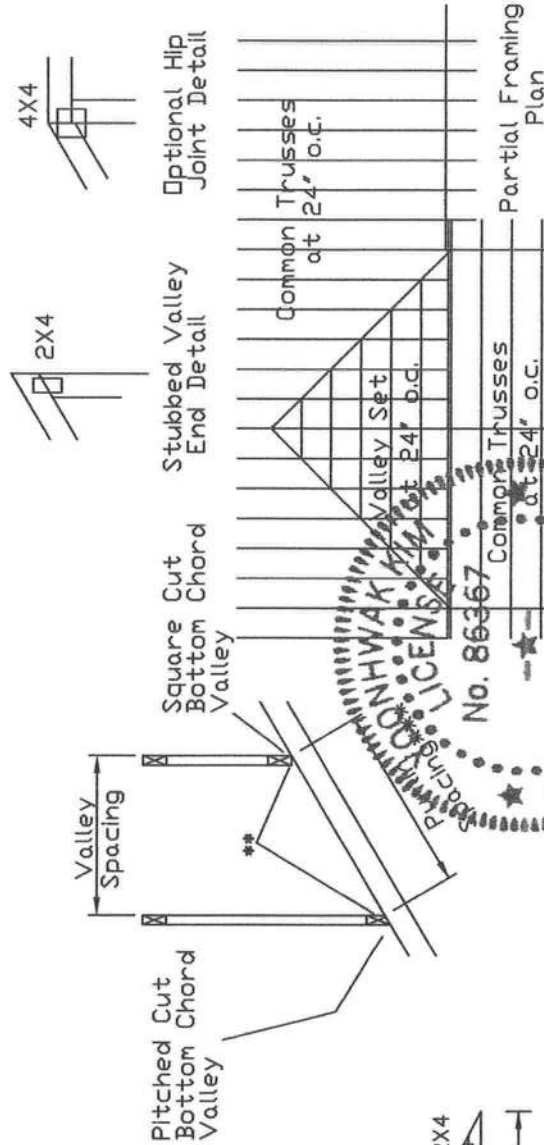
Top chord of truss beneath valley set must be braced with:
 properly attached, rated sheathing applied prior to valley truss
 installation.

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.

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING INCLUDING THE INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and
 follow the latest edition of BCSI Guiding Component Safety Information, by TPI and SCAO 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 33, 37 or B10, as applicable. Apply plates to each face
 of the truss web. Refer to drawings 160a-2 for standard plate positions.
 Alpine is 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 accordance with ANSI/TPI 1, or for handling, shipping,
 installation, or 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.alpineinc.com TPI: www.tpiinc.com SCAO: www.scao.com
 Date: 01/26/2018
 Drawn: VAL180160118

REF	VALLEY DETAIL
DATE	01/26/2018
DRWG	VAL180160118
40PSF	30
30	20
20	10
10	0
0	0
57PSF	55
1.15	1.15
1.15	1.15
SPACING	24.0'



514 Earth City Expressway
 Suite 242
 Earth City, MO 63045

Valley Detail - ASCE 7-16: 30' Mean Height, 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.

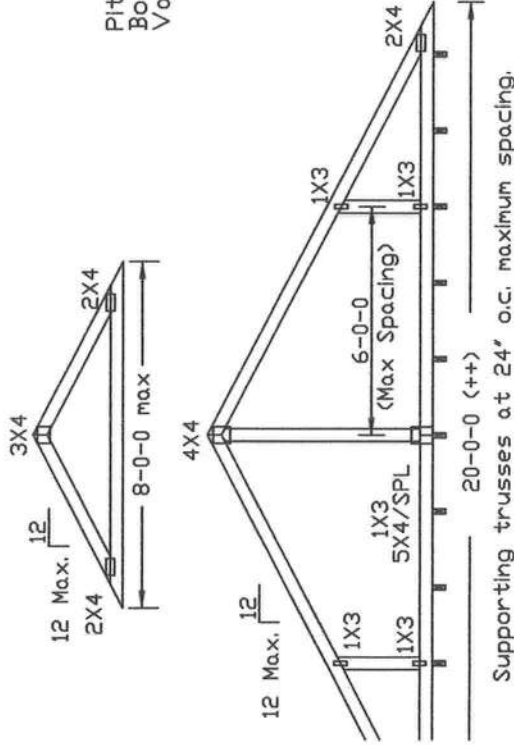
** Attach each valley to every supporting truss with:
 (2) 16d box (0.135" x 3.5") nails toe-nailed for
 ASCE 7-16, 30' Mean Height, Enclosed Building, Exp. C,
 Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on
 supporting truss material at connection location:
 170 mph for SP (G = 0.55, min.),
 155 mph for DF-L (G = 0.50, min.), or
 120 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.



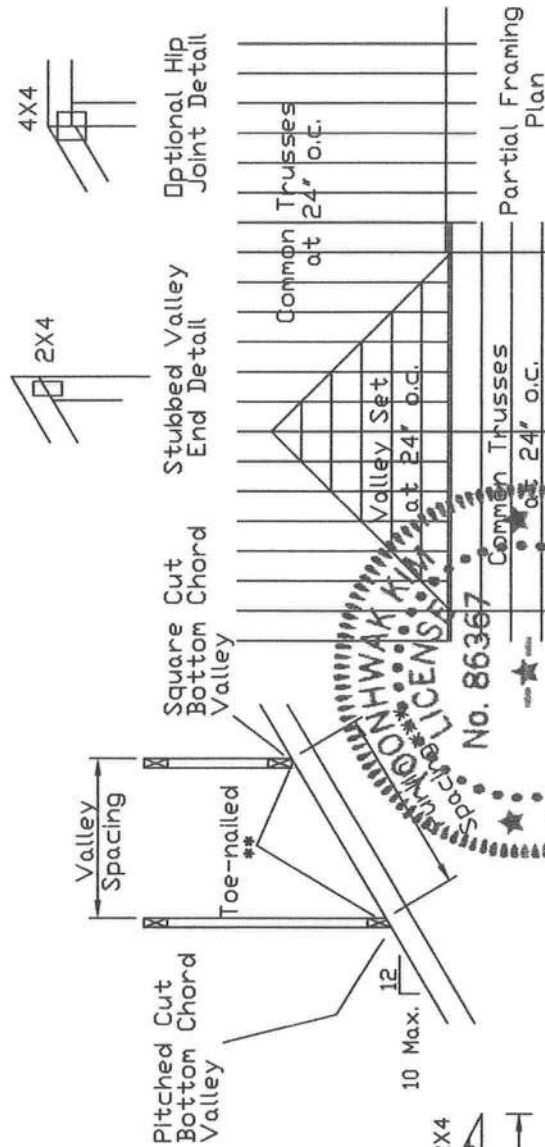
Unless specified otherwise on engineer's sealed design, for vertical
 valley webs taller than 7'-9" apply 2x4 "T" reinforcement, 80% length of
 web, same species and grade or better, attached with 10d box
 (0.128" x 3.0") nails at 6' o.c. In lieu of "T" reinforcement, 2x4 Continuous
 Lateral Restraint 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".



READ AND FOLLOW ALL NOTES ON THIS DRAWING
 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 ASCE Building Component Safety Information, by TPI and SCSA for safety
 practices prior to performing these functions. Installers shall provide temporary bracing per SCSA.
 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
 of truss and purlins are shown above and below the joint details. Apply plates to each web
 of truss and purlins as shown above and below the joint details, unless noted otherwise.
 Refer to drawings 160A-2 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 Sec2.
 For more information see this job's general notes page and these web sites: www.alpineinc.com
 ALPINE: www.alpineinc.com TPI: www.tpi.org SCSA: www.scsastructural.com ID: www.idc.com

ITC	LL	30	40PSF	REF	VALLEY DETAIL
TC	DL	20	15	7 PSF	DATE 01/26/2018
BC	DL	10	10	10 PSF	DRWG VALTN160118
BC	LL	0	0	0 PSF	
TOT.	LD.	60	55	57PSF	
DURFAC	1.25/1.33	1.15	1.15		
SPACING					24.0"



AN ITW COMPANY
 514 Earth City Expressway
 Suite 242
 Earth City, MO 63045

Yoonhwak Kim, FL PE #86367

09/23/2017 278

ASCE 7-16: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, $K_{zt} = 1.00$

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

Group A:			
Spruce-Pine-Fir		Hem-Fir	
#1 / #2	Standard	#2	Std
#3	Std	#3	Standard
Douglas Fir-Larch		Southern Pine	
#3		#3	
Std		Std	
Standard		Standard	

Group B:	
Hem-Fir	
#1 & 2	
#3	
Douglas Fir-Larch	
#1	
#2	
Southern Pine	
#1	
#2	

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

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

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

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

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

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

* For (1) 'L' brace; space nails at 2' o.c.

In 18" end zones and 4" o.c. between zones.

***For (2) 'L' braces: space nails at 3' o.c.

In 18" end zones and 6' o.c. between zones.

'L' bracing must be a minimum of 80% of web

Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	2X4
Greater than 4' 0", but less than 11' 6"	3X4
Greater than 11' 6"	4X4

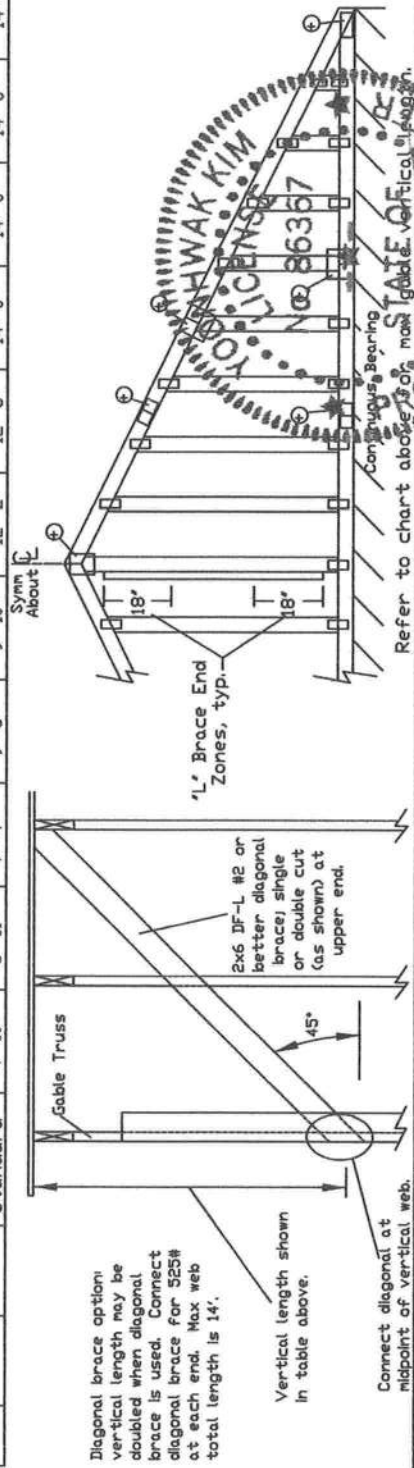
* Refer to common truss design for peak, splice, and heel plates.

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

REF	ASCE7-16-GAB14030
DATE	01/26/2018
DRWG	A14030ENC160118

MAX. TOT. LD. 60 PSF

MAX. SPACING	24.0"
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Refer to chart above for more details.

REWARDING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSC Building Component Safety Information, by TPI and SCSA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSC. 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 BCSC sections B3, B7 or B10, as applicable. Apply plates to each face of the truss and position as shown above and on the Joist Details, unless noted otherwise.

drawings 160A-Z for standard plate positions.

A division of ITW Building Components Group Inc. shall not be responsible for any deviation from the above specifications. The truss shall be built in conformance with ANSI/TPI 1, or for handling, shipping, and any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping.

Trusses and Bracing of

on this drawing or cover page using this drawing, indicates acceptance of professional responsibility solely for the design shown. The suitability and use of this drawing

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:
 L.P.I.N.E.: www.alphainetw.com TPI: www.talinstonal SBCA: www.sbcindustry.org ICO: www.ico-worldwide.com
 # 578

[illegible]

Yoonhwak Kim, FL PE #86367

MAX. SPACING	24.0"
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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.

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)

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) + Design Dead Load Deflection)

Note: The actual dead load may be considerably less than the design dead load.

IMPORTANT: READ AND FILL IN ALL NOTES ON THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Guiding Component Safety Information, by TPI and SCSA for safety instructions prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all trusses shall be braced in accordance with the following instructions. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs of trusses 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 ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. The Building Designer shall be responsible for the design, engineering responsibility solely for the design shown. The authority 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.

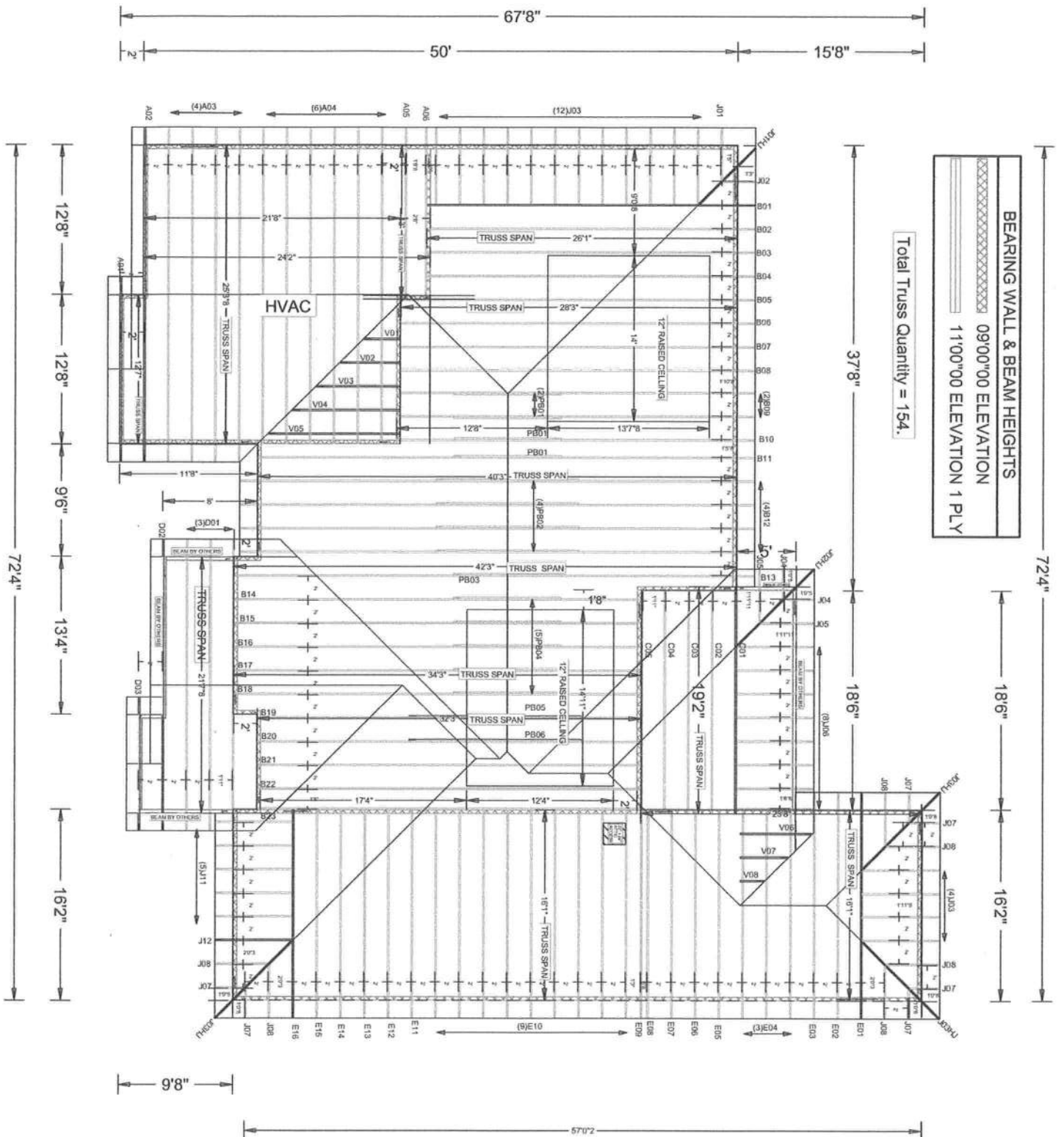
REF DEFLEC/CAMB

DATE 10/01/14

DRWG DEFLC/CAMB1014



514 Earth City Expressway
Suite 242
Earth City, MO 63045



Job Name: Lot 20 Country Lakes - Ba
 Customer: Gibraltar Contr.
 Designer: Fill in later
 ADDRESS:
 SALESMAN: DB
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