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Alpine, an ITW Company  
6750 Forum Drive, Suite 305  
Orlando, FL 32821  
Phone: (800)755-6001  
[www.alpineitw.com](http://www.alpineitw.com)

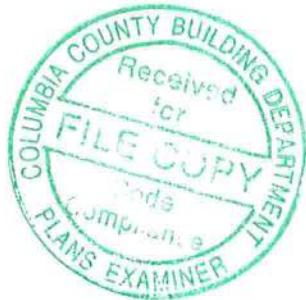
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4608
Job Description: Ben Benson	
Address: FT WHITE, FL	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	IntelliVIEW Version: 20.01.01 through 20.01.01A JRef #: 1WYY2150010
Wind Standard: ASCE 7-10	Wind Speed (mph): 130
Building Type: Closed	Roof Load (psf): 20.00-10.00- 0.00-10.00 Floor Load (psf): None

This package contains general notes pages, 5 truss drawing(s) and 3 detail(s).

Item	Drawing Number	Truss
1	268.20.1645.27508	A01
3	268.20.1649.28544	A03
5	268.20.1649.28466	A05
7	GBLLETIN0118	

Item	Drawing Number	Truss
2	268.20.1645.27463	A02
4	269.20.1012.58983	A04
6	A14015ENC101014	
8	160TL	



## General Notes

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

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

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

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

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

### **Temporary Lateral Restraint and Bracing:**

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

### **Permanent Lateral Restraint and Bracing:**

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

### **Connector Plate Information:**

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

### **Fire Retardant Treated Lumber:**

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

## General Notes (continued)

### **Key to Terms:**

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

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

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

CL = Certified lumber.

Des Ld = total of TCALL, TCDL, BCCL 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 all load cases.

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

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

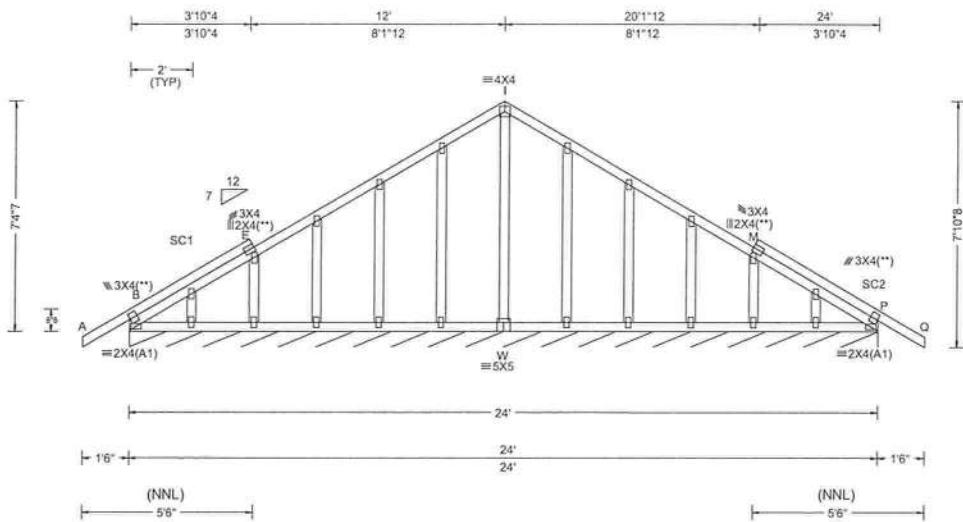
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

**References:**

1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; [www.awc.org](http://www.awc.org).
2. ICC: International Code Council; [www.iccsafe.org](http://www.iccsafe.org).
3. Alpine, a division of ITW Building Components Group Inc.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; [www.alpineitw.com](http://www.alpineitw.com).
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; [www.tpinst.org](http://www.tpinst.org).
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; [www.sbcindustry.com](http://www.sbcindustry.com).

SEQN: 4415 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4608 Ben Benson Truss Label: A01	Cust: R 215 JRef:1WYY2150010 T8 DrwNo: 268.20.1645.27508 / YK 09/24/2020
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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 7-10 Speed: 130 mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.001 P 999 240 VERT(CL): 0.002 P 999 180 HORZ(LL): -0.000 P - - HORZ(TL): 0.001 P - -	Loc	R+	/R-	/Rh	/Rw	/U	/RL	
TCDL: 10.00	Enclosure: Closed	Lu: NA Cs: NA		P*	92	/-	/-	/54	/-	/2	
BCLL: 0.00	Risk Category: II	Snow Duration: NA									
BCDL: 10.00	EXP: C Kzt: NA										
Des Ld: 40.00	Mean Height: 15.00 ft										
NCBCLL: 10.00	TCDL: 5.0 psf										
Soffit: 2.00	BCDL: 5.0 psf										
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2										
Spacing: 24.0 "	C&C Dist a: 3.00 ft										
	Loc. from endwall: Any										
	GCpl: 0.18										
	Wind Duration: 1.60										
<b>Lumber</b>											
Top chord: 2x4 SP M-31;											
Bot chord: 2x4 SP #2;											
Webs: 2x4 SP #3;											
Stack Chord: SC1 2x4 SP #2;											
Stack Chord: SC2 2x4 SP #2;											
<b>Plating Notes</b>											
All plates are 2X4 except as noted.											
(**) 4 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.											
<b>Wind</b>											
Wind loads based on MWFRS with additional C&C member design.											
<b>Additional Notes</b>											
See DWGS A14015ENC101014 & 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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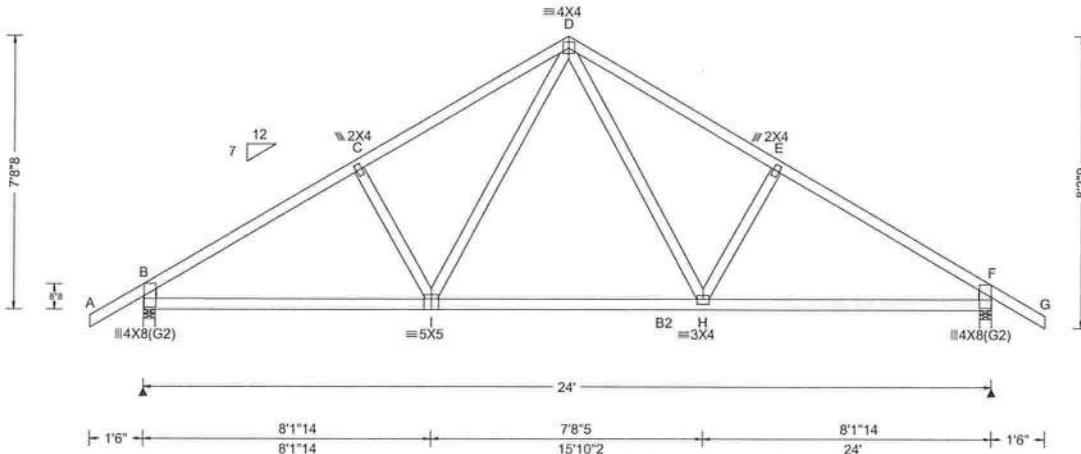
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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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For more information see these web sites: Alpine: [www.alpineitw.com](http://www.alpineitw.com); TPI: [www.tpinst.org](http://www.tpinst.org); SBCA: [www.sbcindustry.com](http://www.sbcindustry.com); ICC: [www.iccsafe.org](http://www.iccsafe.org)

SEQN: 4413 FROM: CDM	COMM Qty: 5	Ply: 1 Job Number: 20-4608 Ben Benson Truss Label: A02	Cust: R 215 JRef: 1WYY2150010 T5 DrwNo: 268.20.1645.27463 / YK 09/24/2020
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6'1"4 12' 17'10"12 24'  
6'1"4 5'10"12 5'10"12 6'1"4



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)									
TCLL:	20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Loc	R+	/R-	/Rh	/Rw	Non-Gravity /U				
TCDL:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.047 I 999 240	B	1171	/-	/-	/656	/189 /223				
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.091 I 999 180	F	1171	/-	/-	/656	/189 /-				
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.021 H - -	Wind reactions based on MWFRS									
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(CL): 0.040 H - -	B	Brg Wdth = 4.0	Min Req = 1.5							
NCBLL:	10.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES	Creep Factor: 2.0	F	Brg Wdth = 4.0	Min Req = 1.5							
Soffit:	2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.199	Bearings B & F are a rigid surface.									
Load Duration: 1.25		BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.709	Members not listed have forces less than 375#									
Spacing: 24.0 "		MWFRS Parallel Dist: h/2 to h	FT/RT:20(0)/10(0)	Max Web CSI: 0.208	<b>Maximum Top Chord Forces Per Ply (lbs)</b>									
		C&C Dist a: 3.00 ft	Plate Type(s):		Chords	Tens. Comp.	Chords	Tens. Comp.						
		Loc. from endwall: not in 4.50 ft	WAVE		B - C	307 - 1612	D - E	347 - 1431						
		GCpi: 0.18			C - D	347 - 1427	E - F	307 - 1616						
		Wind Duration: 1.60												

#### Lumber

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

#### Loading

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

#### Wind

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

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens. Comp.	Chords	Tens. Comp.		
B - I	1294 - 158	H - F	1298 - 171		
I - H	903 - 39				

Maximum Web Forces Per Ply (lbs)			
Webs	Tens. Comp.	Webs	Tens. Comp.
I - D	539 - 124	D - H	547 - 123



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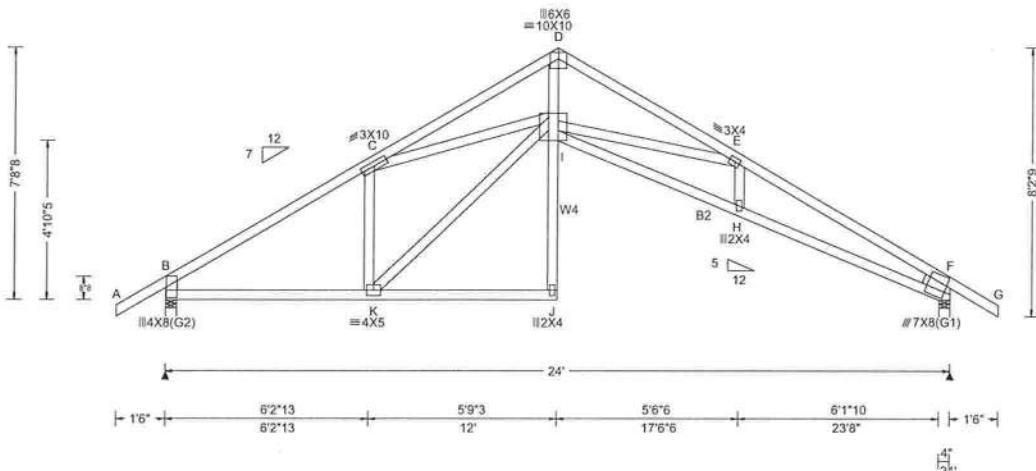
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SEQN: 336165	COMM	Ply: 1	Job Number: 20-4608	Cust: R 215 JRef: 1WYY2150010 T7
FROM: CDM		Qty: 1	Ben Benson Truss Label: A03	DrwNo: 268.20.1649.28544 / YK 01/01/1900

6'2"13 12' 17'6"6 24' 6'5"10



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL:	20.00	Wind Std: ASCE 7-10	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): 0.380 E 758 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.780 E 369 180	B	1104	/-	/-	/663	/190	/256
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.376 H - -	F	1114	/-	/-	/658	/180	/-
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(CL): 0.773 H - -							
NCBCLL:	10.00	Mean Height: 15.00 ft		Wind reactions based on MWFRS							
Softit:	2.00	TCDL: 5.0 psf		B Brdg Width = 4.0 Min Req = 1.5							
Load Duration: 1.25		BCDL: 5.0 psf		F Brdg Width = 4.0 Min Req = 1.5							
Spacing: 24.0 "		MWFRS Parallel Dist: h/2 to h		Bearings B & F are a rigid surface.							
		C&C Dist a: 3.00 ft		Members not listed have forces less than 375#							
		Lec. from endwall: not in 9.00 ft		Maximum Top Chord Forces Per Ply (lbs)							
		GCpi: 0.18		Chords Tens.Comp. Chords Tens. Comp.							
		Wind Duration: 1.60		B - C 300 - 1483 D - E 296 - 3650							
				C - D 308 - 3707 E - F 491 - 3314							

#### Lumber

Top chord: 2x4 SP M-31;  
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;  
Webs: 2x4 SP #3; W4 2x4 SP #2;  
Lt Stub Wedge: 2x4 SP #3; Rt Stub Wedge: 2x4 SP #3;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 7'-8".



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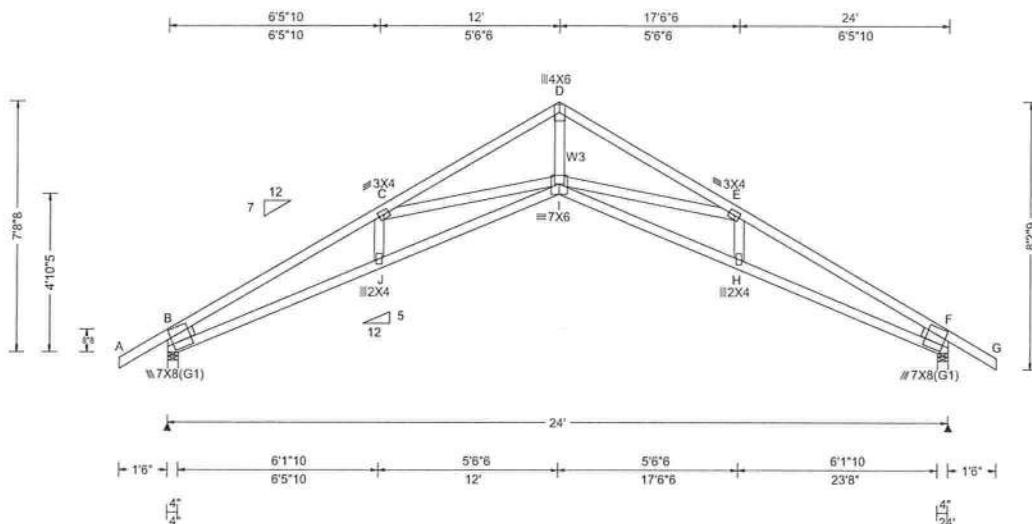
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SEQN: 4417 FROM: CDM	COMM Ply: 1 Qty: 7	Job Number: 20-4608 Ben Benson Truss Label: A04	Cust: R 215 JRef: 1WYY2150010 T2 DrwNo: 269.20.1012.58983 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	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): 0.458 I 628 240	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.950 I 303 180	B 1120 /- /- /665 /181 /223
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.450 H - -	F 1120 /- /- /665 /181 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(CL): 0.933 H - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft		HORZ(TL): 0.933 H - -	B Brdg Width = 4.0 Min Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf	Building Code: FBC 2017 RES		F Brdg Width = 4.0 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014		Bearings B & F are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes		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		B - C 701 -3302 D - E 472 -3001
	Wind Duration: 1.60			C - D 471 -3001 E - F 713 -3302
VIEW Ver: 20.01.01.0616.17				

#### Lumber

Top chord: 2x4 SP M-31;  
Bot chord: 2x4 SP M-31;  
Webs: 2x4 SP #3; W3 2x4 SP #2;  
Lt Stub Wedge: 2x4 SP #3; Rt Stub Wedge: 2x4 SP #3;

#### Wind

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

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	2896 -509	I - H	2981 -520
J - I	2981 -507	H - F	2896 -523

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.		
D - I	2491 -313		



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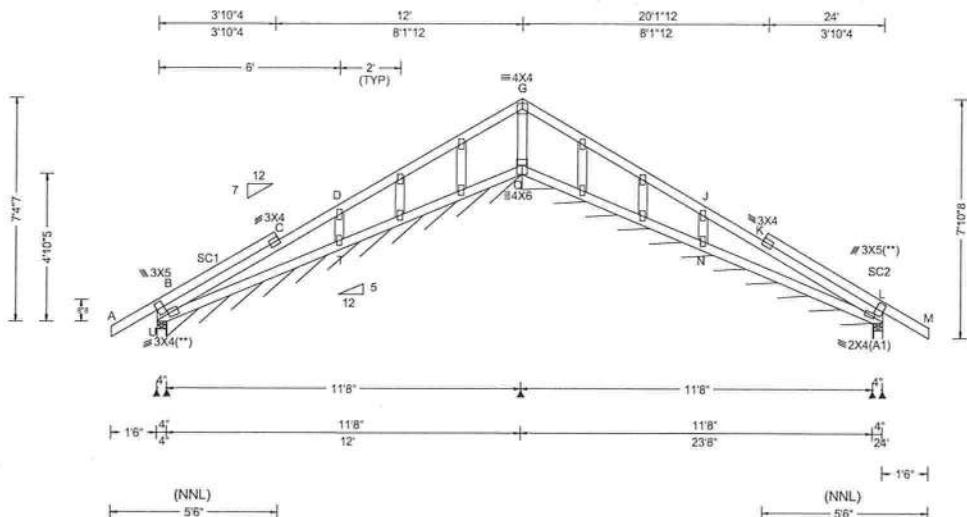
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For more information see these web sites: Alpine: [www.alpineitw.com](http://www.alpineitw.com); TPI: [www.tpinst.org](http://www.tpinst.org); SBCA: [www.sbcindustry.com](http://www.sbcindustry.com); ICC: [www.iccsafe.org](http://www.iccsafe.org)

SEQN: 336171	GABL	Ply: 1	Job Number: 20-4608	Cust: R 215 JRef: 1WYY2150010 T3
FROM: CDM		Qty: 1	Ben Benson Truss Label: A05	DrwNo: 268.20.1649.28466 / YK 01/01/1900



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 7-10	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): 0.049 C 999 240	Loc R+ /R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.092 C 766 180	U 682 /- /- /392 /41 /90
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.030 C - -	U* 125 /- /- /65 /- /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(CL): 0.056 C - -	* 104 /- /- /55 /- /-
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	L 710 /- /- /453 /41 /-
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.706	Wind reactions based on MWFRS
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.123	U Brg Width = 3.5 Min Req = 1.5
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.055	U Brg Width = 140 Min Req = -
	C&C Dist a: 3.00 ft			Q Brg Width = 140 Min Req = -
	Loc. from endwall: Any			L Brg Width = 3.5 Min Req = 1.5
	GCpi: 0.18			Bearings U, U, Q, & L are a rigid surface.
	Wind Duration: 1.60			Members not listed have forces less than 375#
				Maximum Top Chord Forces Per Ply (lbs)
				Chords Tens.Comp. Chords Tens. Comp.
				B - C 661 -406 G - J 404 -269
				C - D 450 -155 K - L 237 -401
				D - G 447 -275

#### Lumber

Top chord: 2x4 SP M-31;  
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.

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

#### Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

#### Wind

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

#### Additional Notes

See DWGS A14015ENC101014 & 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.

Shim all supports to solid bearing.

The overall height of this truss including overhang 7'-4"-7".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
09/25/2020

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

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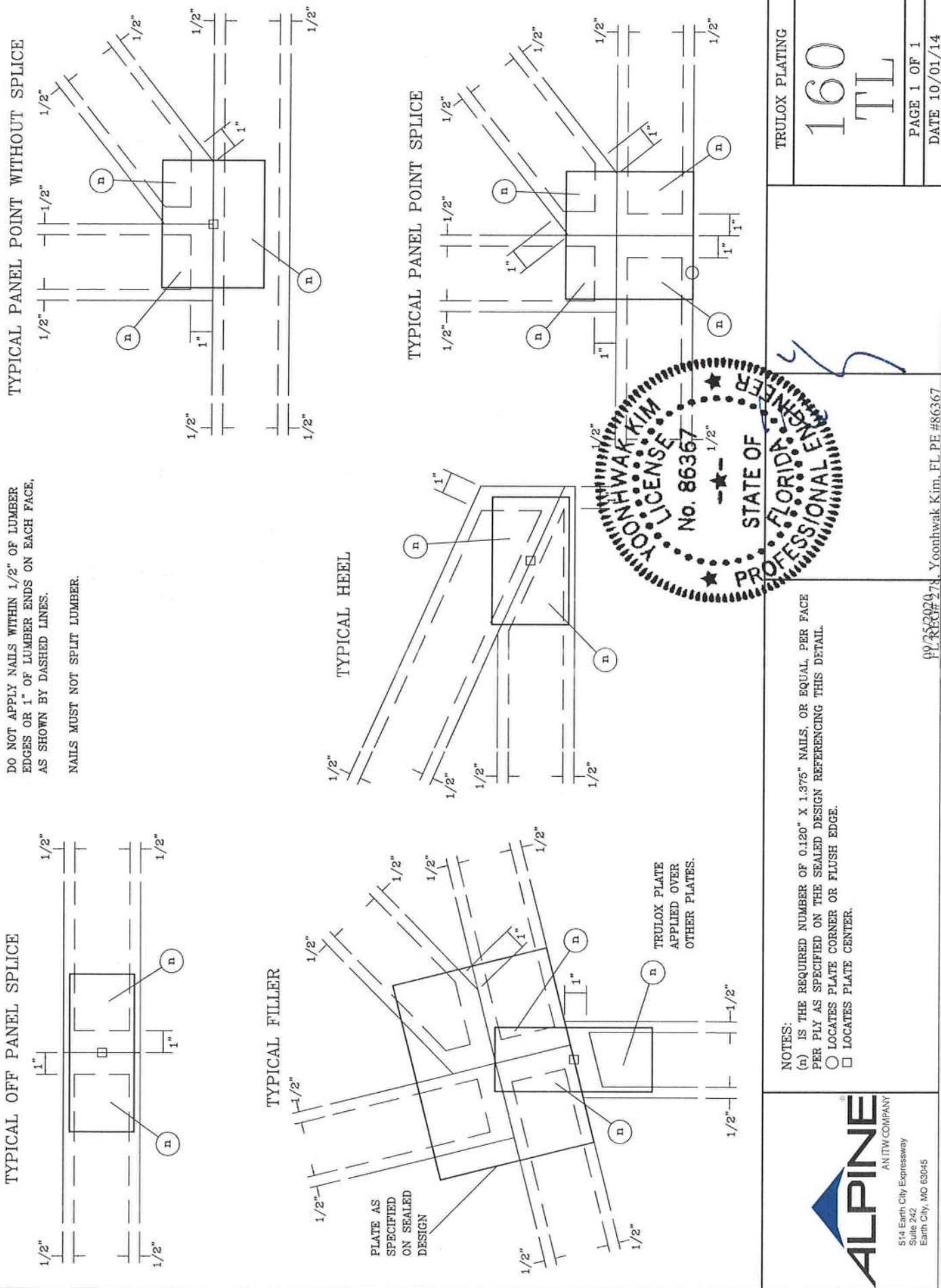
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## TRULOX INFORMATION DETAIL

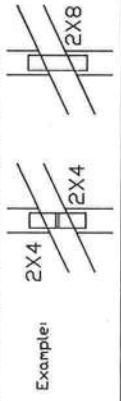


# Gable Detail For Let-in Verticals

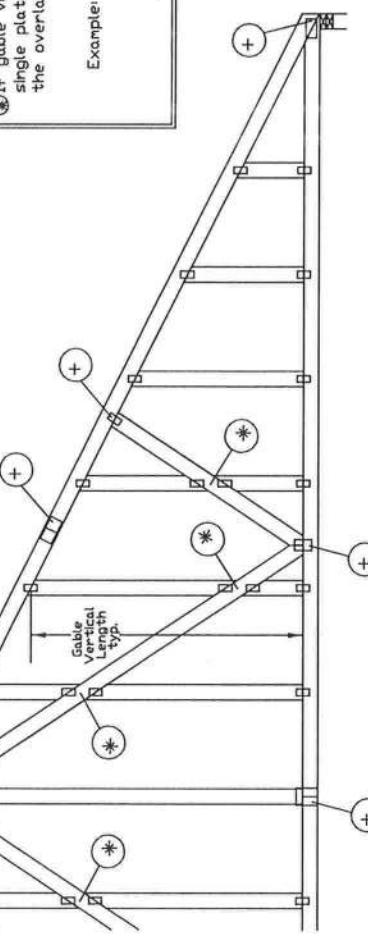
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

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

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



Example:



Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with End Driven Nails:

10d Common (0.148" x 3", min) Nails at 4" o.c. plus (4) nails in the top and bottom chords.

Toenailed Nails:

10d Common (0.148" x 3", min) Toenails at 4" o.c. plus (4) toenails in the top and bottom chords.

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

ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A10015051014, A14015051014,  
A13030051014, A12030051014, A10030051014, A14030051014  
ASCE 7-16 Gable Detail Drawings  
A1515ENC10018, A12015ENC10018, A14015ENC10018, A20015END10018,  
A18015ENC10018, A20015ENC10018, A20015END10018, A14030ENC10018,  
A1530ENC10018, A12030ENC10018, A20030ENC10018, A14030ENC10018,  
A18030ENC10018, A12015ENC10018, A14015ENC10018, S20015END10018,  
S11515ENC10018, S12015ENC10018, S14015ENC10018, S18015ENC10018,  
S11530ENC10018, S12030ENC10018, S14030ENC10018, S18030ENC10018,  
S18030ENC10018, S20030ENC10018, S20030END10018, S20030PED10018

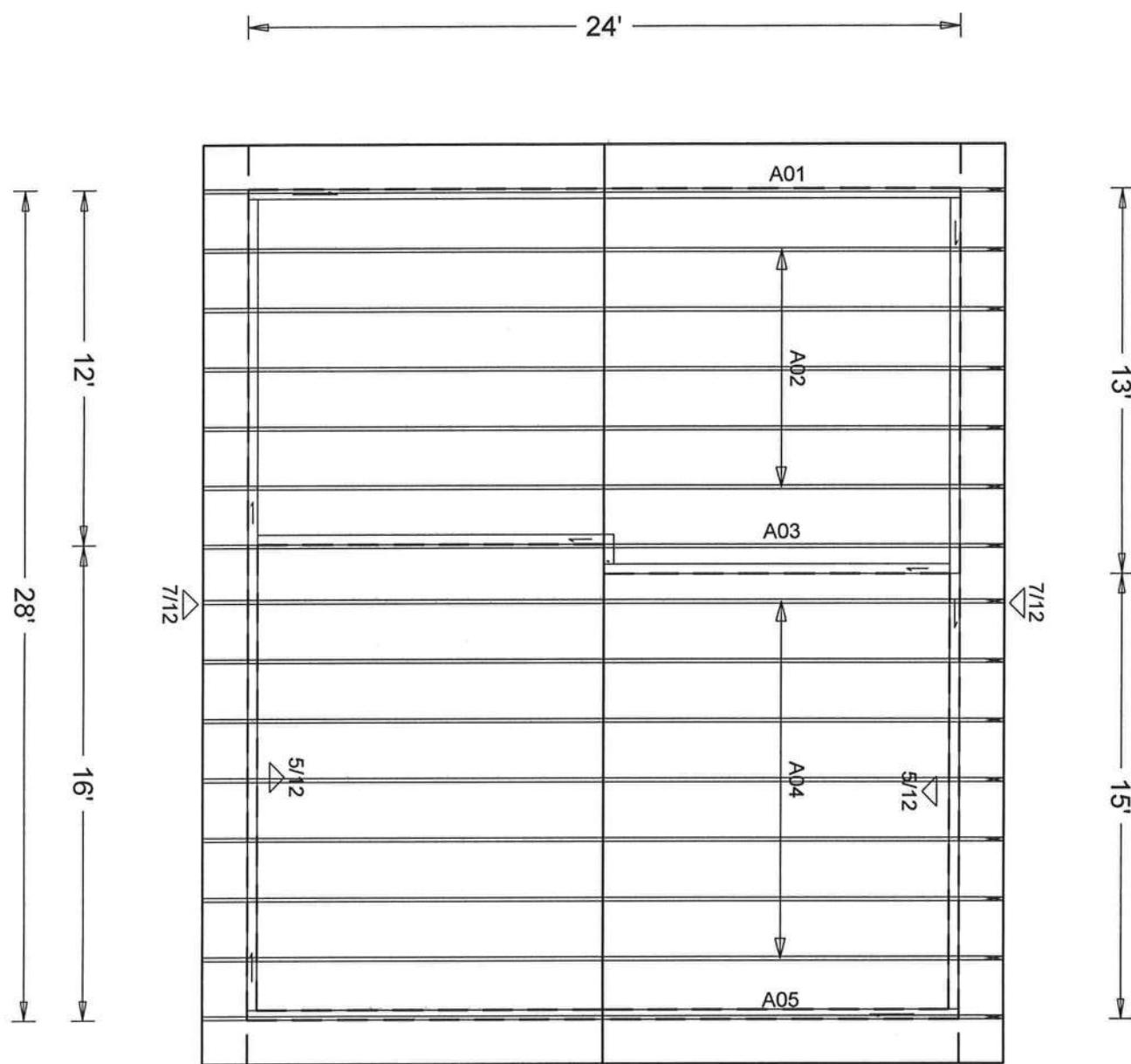
See appropriate Alpine gable detail for maximum unreinforced gable vertical length.

REF	LET-IN VERT
DATE	01/02/2018
DRWG	GBLLETIN0118
MAX. TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX. SPACING	24.0"

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ALPINE	AN ITW COMPANY
514 Earth City Expressway Suite 242 Earth City, MO 63045	514 Earth City Expressway Suite 242 Earth City, MO 63045
For more information see this job's general notes page and those web sites: ALPINE: www.alpineinc.com TPI: www.tpi.org SJCAI: www.sjcai.org	

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W.B. Howland Truss Co.  
 610 11th St. SW  
 Live Oak, FL 32064  
 (386) 362-1235  
 (386) 362-7124 (Fax)  
 howlandtruss@gmail.com

ROOF PITCH: 7/12  
 OVERHANG: 18"  
 CEILING: 8'; Vault  
 EXT. WALLS: 2x4  
 LOADING: 40 psf  
 WIND LOAD: 130 mph  
 EXPOSURE: C

DATE: 9/10/20

JOB NO: 20-4608	Job Name: Ben Benson Customer: OWNER BUILDER Designer: Kelly Caudill ADDRESS: SALESMAN: Fill in later : <Not Found>	JOB #: 20-4608	
PAGE NO: 1 OF 1			