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

07/19/2022

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 22-7999
Job Description: Blackwell	
Address:	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res.	IntelliVIEW Version: 21.02.01 JRef #: 1XHd2150011
Wind Standard: ASCE 7-16	Wind Speed (mph): 130
Building Type: Closed	Design Loading (psf): 40.00

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

Item	Drawing Number	Truss
1	200.22.1432.17203	A01
3	200.22.1432.05687	A03
5	A14030ENC160118	

Item	Drawing Number	Truss
2	200.22.1432.10270	A02
4	BRCLBSUB0119	
6	GBLLETIN0118	



## **General Notes**

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

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

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

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

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

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

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

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

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

### **Connector Plate Information:**

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

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

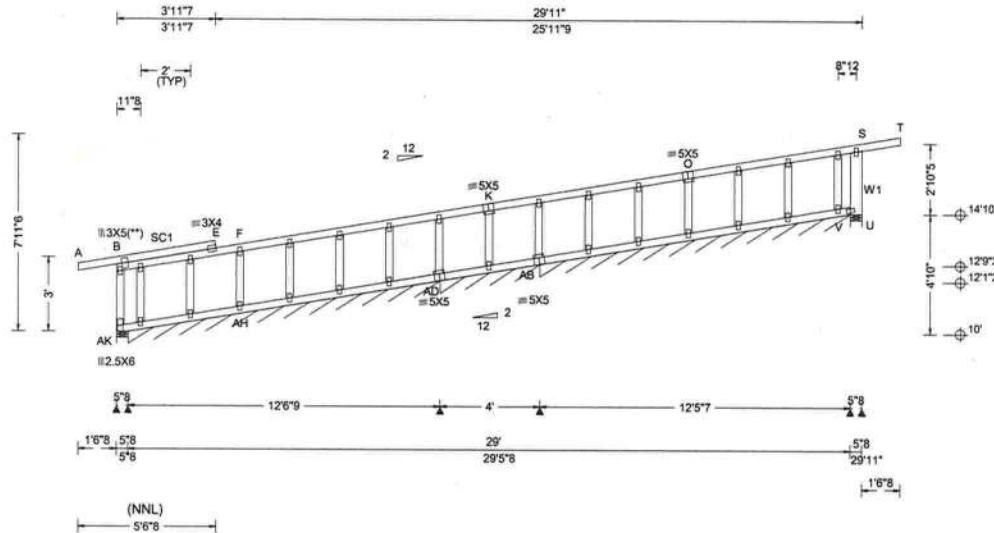
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

**References:**

1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; [www.awc.org](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.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; [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.sbcacomponents.com](http://www.sbcacomponents.com).

SEQN: 109720	GABL	Ply: 1	Job Number: 22-7999	Cust: R215 JRef: 1XHd2150011 T6
FROM:		Qty: 2	Blackwell Truss Label: A01	DrwNo: 200.22.1432.17203 KD / YK 07/19/2022



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
TCDL:	10.00	Speed:	130 mph	Pf: NA	Ce: NA	Lu: NA	VERT(LL):	0.007	E 999 240	AK 527	/-	/-	/195	/85	/316			
BCLL:	0.00	Enclosure:	Closed	Cs: NA	Snow Duration: NA		VERT(CL):	0.013	E 999 180	AK*152	/-	/-	/61	/19	/-			
BCDL:	10.00	Risk Category:	II				HORZ(LL):	-0.050	B - -	AD*162	/-	/-	/63	/15	/-			
Des Ld:	40.00	EXP: B Kzt: NA					HORZ(TL):	0.065	B - -	AB*144	/-	/-	/56	/10	/-			
NCBCLL:	10.00	Mean Height: 15.33 ft		Building Code:	FBC 7th Ed. 2020 Res.	Rep Fac: Varies by Ld Case	Creep Factor: 2.0			V 313	/-	/-	/128	/198	/-			
Soffit:	2.00	TCDL: 5.0 psf		TPI Std: 2014		FT/RT:20(0)/10(0)	Max TC CSI: 0.685											
Load Duration: 1.25		BCDL: 5.0 psf		Plate Type(s):		WAVE	Max BC CSI: 0.138											
Spacing: 24.0 "		MWFRS Parallel Dist: 0 to h/2					Max Web CSI: 0.524											
		C&C Dist a: 3.00 ft																
		Loc. from endwall: Any																
		GCpi: 0.18																
		Wind Duration: 1.60																

#### Lumber

Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3; W1 2x6 SP 2400f-2.0E;  
Stack Chord: SC1 2x4 SP #2;

#### Bracing

Fasten rated sheathing to one face of this frame.

#### Plating Notes

All plates are 2X4 except as noted.

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

#### Loading

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

#### Wind

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

End verticals exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.

#### Additional Notes

See DWGS A14030ENC160118 & 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.



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

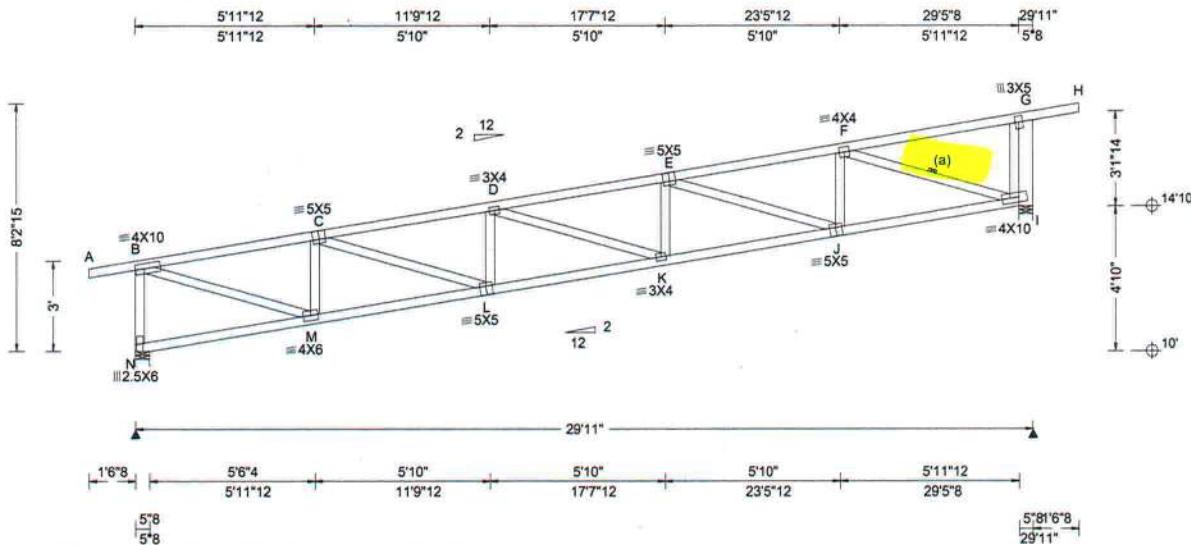
**\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**

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 160-A-2 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: sbcacompnents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 109721	MONO	Ply: 1	Job Number: 22-7999	Cust: R 215 JRef: 1XHd2150011 T3
FROM:		Qty: 18	Blackwell Truss Label: A02	DrwNo: 200.22.1432.10270 KD / YK 07/19/2022



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 Loc N	R+ 1292	/ R- / Rh	/ Rw / U	Non-Gravity / RL	
TCDL:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.224 K 999 240	I 1303	/ -	/ -	/ 651	/ 85 / 183	
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.442 K 805 180						
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.067 J - -						
Des Ld:	40.00	EXP: B Kz: NA		HORZ(TL): 0.132 J - -						
NCBCLL:	10.00	Mean Height: 15.49 ft		Creep Factor: 2.0						
NCBCLL:	10.00	TCDL: 5.0 psf	Building Code: FBC 7th Ed. 2020 Res.	Max TC CSI: 0.456						
Soffit:	2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.775						
Load Duration: 1.25		MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.813						
Spacing: 24.0 "		C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)							
		Loc. from endwall: Any	Plate Type(s): WAVE	VIEW Ver: 21.02.01.1216.15						

#### Lumber

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

#### Bracing

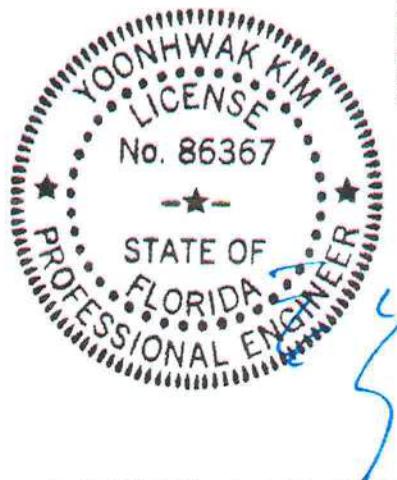
(a) Continuous lateral restraint equally spaced on member.

#### Wind

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

End verticals exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.



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

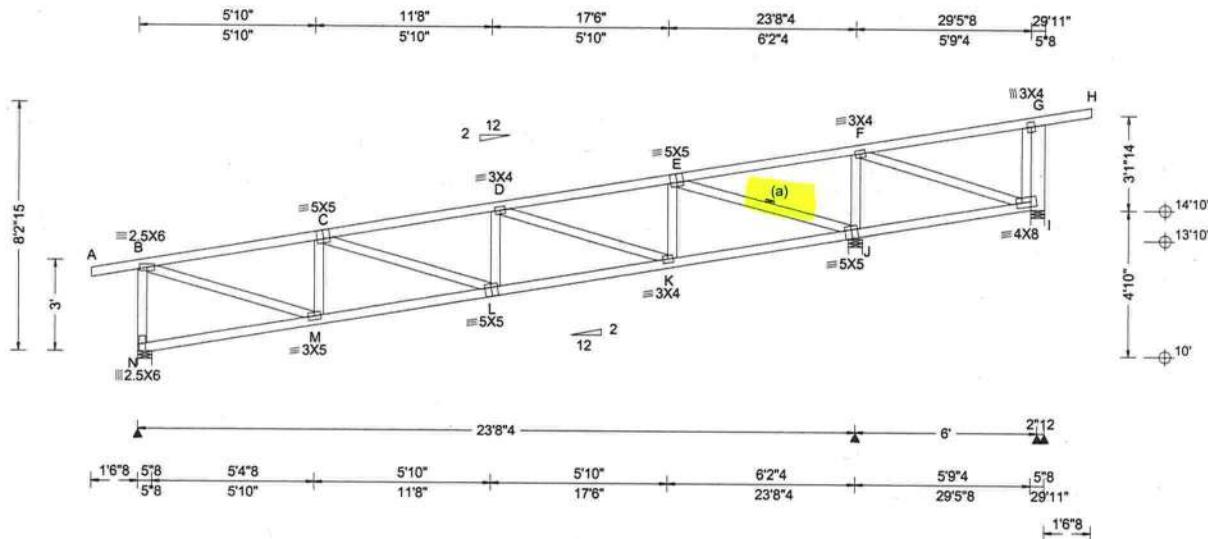
**\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**

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: sbcacompnents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 109722	MONO	Ply: 1	Job Number: 22-7999	Cust: R 215 JRef:1XHd2150011 T1
FROM:		Qty: 6	Blackwell Truss Label: A03	DrwNo: 200.22.1432.05687 KD / YK 07/19/2022



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 Loc	R+/-	/R-	/Rh	Non-Gravity /Rw
TCDL: 10.00		Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.082 L 999 240	/62	/62	/183		
BCLL: 0.00		Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.161 L 999 180	/120	/120	/-		
BCDL: 10.00		Risk Category: II	Snow Duration: NA	HORZ(LL): 0.025 C - -	/89	/89	/-		
Des Ld: 40.00		EXP: B Kzt: NA		HORZ(TL): 0.049 C - -					
NCBCLL: 10.00		Mean Height: 15.49 ft		Creep Factor: 2.0					
TCDL: 5.0 psf		TCDL: 5.0 psf	Building Code: FBC 7th Ed. 2020 Res.	Max TC CSI: 0.604					
Soffit: 2.00		BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.463					
Load Duration: 1.25		MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.550					
Spacing: 24.0 "		C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)						
		Loc. from endwall: Any	Plate Type(s):						
		GCpi: 0.18	WAVE						
		Wind Duration: 1.60		VIEW Ver: 21.02.01.1216.15					

#### Lumber

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

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Wind

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

End verticals exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.

#### Additional Notes

Negative reaction(s) of -314# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Shim all supports to solid bearing.



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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-2 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

# CLR Reinforcing Member Substitution

## Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired.

### Notes:

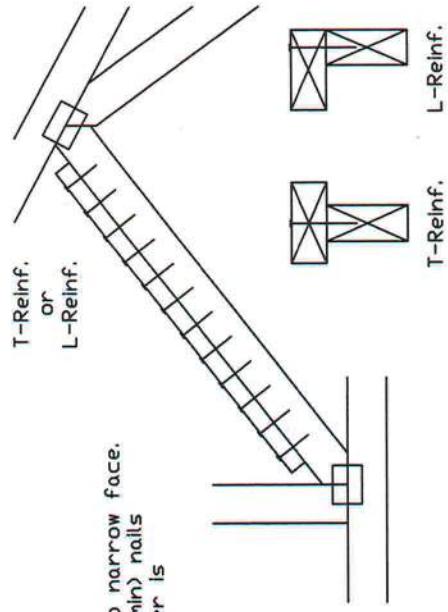
This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforcement or scab reinforcement.

Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

Use scabs instead of L- or T- reinforcement on webs with intersecting truss joints, such as K-web joints, that may interfere with proper application along the narrow face of the web.

### T-Reinforcement or L-Reinforcement:

Apply to either side of web narrow face.  
Attach with 10d (0.128" x 3.0", min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



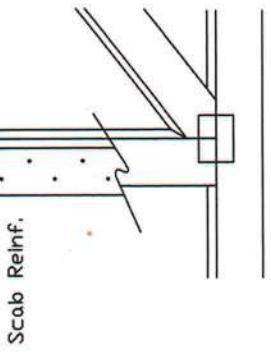
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L-Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

(\*) Center scab on wide face of web. Apply (1) scab to each face of web.

### Scab Reinforcement:

Apply scab(s) to wide face of web.  
No more than (1) scab per face.  
Attach with 10d (0.128" x 3.0", min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



REF	CLR Subst.
PSF	PSF
DATE	01/02/19
DRWG	BRCLBSUB0119
PSF	PSF
DUR, FAC,	PSF
SPACING	PSF

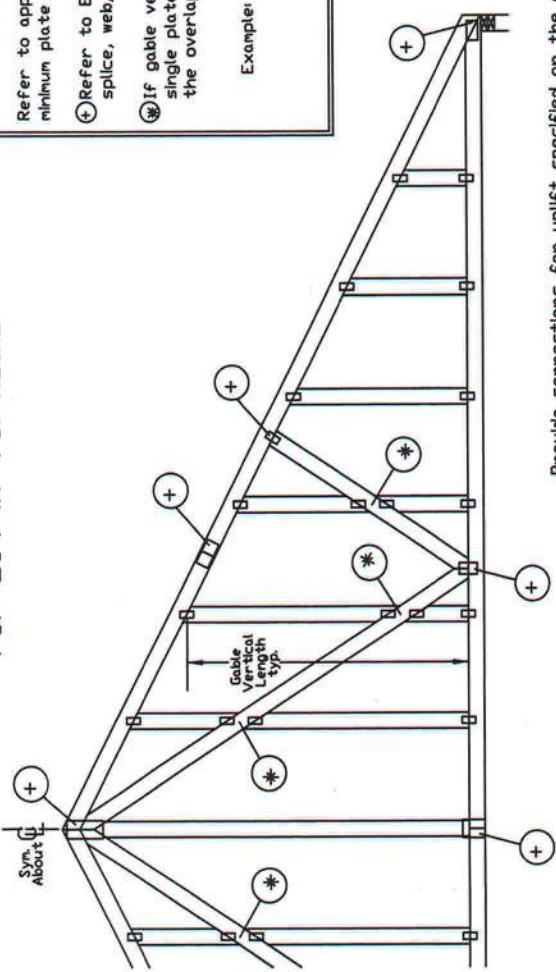
**STATE OF FLORIDA**  
**PROFESSIONAL ENGINEER LICENSE**  
No. 86367

**WARNING: READ AND FOLLOW ALL NOTES IN THIS DRAWING INCLUDING THE INSTALLERS.**  
Trusses require extreme care in fabricating, handling, shipping, installing and bridging. Refer to and follow the latest edition of ITI Building Components Group Inc. Safety Practices prior to performing these operations. All contractors shall provide proper safety equipment, including fall protection, site lighting, personal protective equipment, shoring and bottom chord support. Show for permanent lateral restraint of webs shall have be correctly installed per ANSI section 23, B7 or B10, as applicable. Apply plates to each face of truss and fasten as shown above and on the adjacent panels. Refer to drawing 16A-2 for standard plate positions.  
Alpine, a division of ITI 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, or installing the truss. The user is responsible for ensuring the drawings are used in accordance with the applicable codes and standards. The acceptability and use of this drawing is solely for the design shown. The suitability and use of this drawing for any other purpose is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2.  
For more information see Job General notes page and these job sheets 1902022/78 1902022/8 Yoonhwak Kim, FL PE #86367

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North Building, 4th Floor  
Glenview, IL 60025

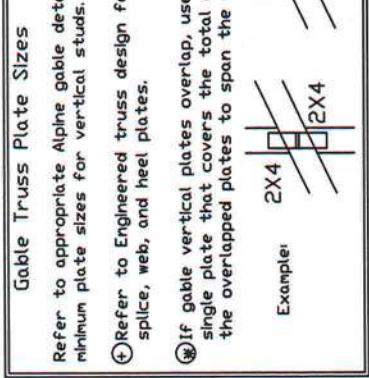
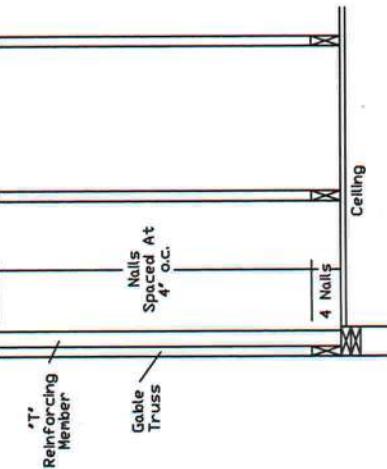


# Gable Detail For Let-in Verticals



Provide connections for uplift specified on the engineered truss design.  
Attach each "T" reinforcing member with  
End Driven Nails!  
10d Common (0.148''x 3.5in) Nails at 4' o.c. plus  
(4) toenails in the top and bottom chords.

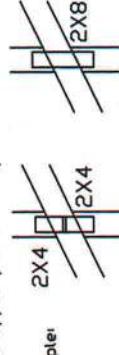
Toenailed Nails!  
10d Common (0.148''x 3.5in) Toenails at 4' o.c. plus  
(4) toenails in the top and bottom chords.



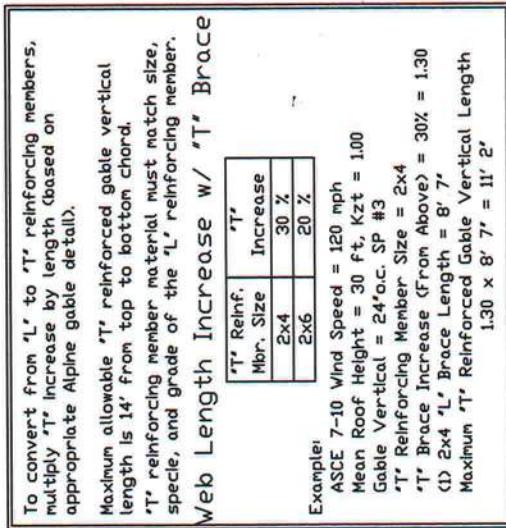
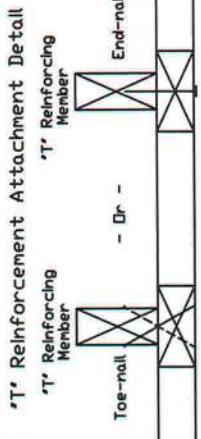
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

+ 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:



REF	LET-IN VERT
DATE	01/02/2018
DRWG	GBLLETIN0118
DUR.	FAC.
MAX. SPACING	24.0"

**WARNING READ AND 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 practices in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest practices in fabricating, handling, shipping, installing and bracing per ICC-ESI practices prior to performing any fabrication or assembly. All components shall be properly braced during transport and storage. Structural sheathing and bottom of webs shall be properly attached to chord and top chord shall have permanent lateral restraint of webs located in accordance with section B3.7. Bottom of webs shall have permanent lateral restraint of webs sections B3.7 or B10, as applicable. Apply plates to each face of truss and plates to all the bolted details, unless noted otherwise. Refer to drawing 16A-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, or storing this drawing or any other drawing or document that contains information that conflicts with this drawing or other drawing or document. This drawing indicates acceptance of professional services solely for the design shown. The suitability and use of this drawing for any particular application 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.alpinecomponents.com](http://www.alpinecomponents.com), [www.itw.com](http://www.itw.com), [www.tpi.org](http://www.tpi.org).

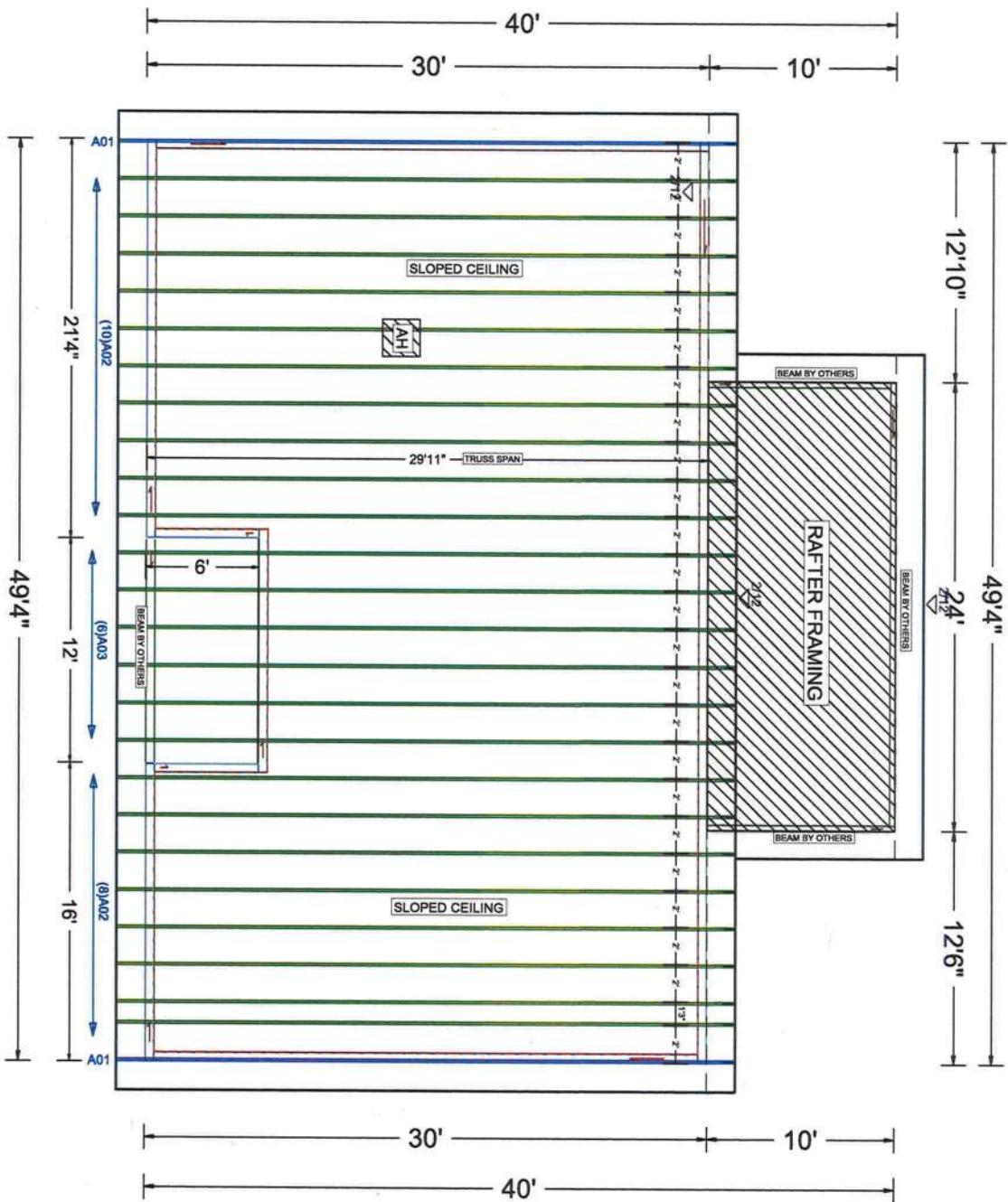
**ALPINE**  
AN ITW COMPANY

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

ALPINE: [www.alpinecomponents.com](http://www.alpinecomponents.com) TEL: 847.223.2232 FAX: 847.223.2233 E-MAIL: [kim.E@alpinecomponents.com](mailto:kim.E@alpinecomponents.com) IFC: [www.intertek.com](http://www.intertek.com) IBC: [www.intertek.com](http://www.intertek.com) SBAC: [www.alpinecomponents.com](http://www.alpinecomponents.com) PE: #86267

BEARING WALL & BEAM HEIGHTS	
01'00"00 ELEVATION	1 PLY
10'00"00 ELEVATION	
13'10"08 ELEVATION	
14'10"00 ELEVATION	
01'00"00 ELEVATION	1 PLY

Total Truss Quantity = 26.



Job Name: Blackwell  
Customer: Contractor  
Designer: Fill in later  
ADDRESS:  
SALESMAN: Fill in later  
<Not Found>

JOB #: 22-7999

JOB NO:  
JOB NO:  
22-7999

PAGE NO:

