

ALPINE
AN ITW COMPANY

11/17/2023

FL REQ# 278, David J. Rothweiler, FL PE# 88430

Alpine, an ITW company
155 Harlem Ave.
North Building, 4th Floor
Glenview, IL 60025
Phone: (800)326-4102 (314)344-9121
alpineitw.com

This item has been electronically signed and sealed by David J. Rothweiler on the date adjacent to the seal using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

Site Information:	**Page 1:**
Customer: Kora Compoments, LLC	*Job Number:* KTQ23455-BLDG-VILLA-XL-F2-REV-2
Job Description: Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	
Address: PARCEL ID: XXX GLADES COUNTY,FL	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res.	*IntelliVIEW Version:* 22.02.00 *JRef #:* 1XUU94190010
Wind Standard: ASCE702 *Wind Speed (mph):* 0 *Building Type:*	*Design Loading (psf):* 58.00

This package contains general notes pages, 41 truss drawing(s) and 2 detail(s).

Item	Drawing Number	Truss
1	321.23.0949.31883	A01
3	321.23.0949.49297	A03
5	321.23.0949.54387	A05
7	321.23.0950.06780	A07
9	321.23.0950.14610	A09
11	321.23.0950.44720	A11
13	321.23.0950.48080	A13
15	321.23.0950.51317	A15
17	321.23.0950.59393	A17
19	321.23.0951.28060	A19
21	321.23.0951.46070	B01
23	321.23.0952.07257	B03
25	321.23.0952.17177	B05
27	321.23.0952.24770	B07
29	321.23.0952.45427	B09
31	321.23.0952.59463	B11
33	321.23.0953.16750	B13
35	321.23.0953.21940	B15
37	321.23.0953.36310	B17
39	321.23.0953.40113	B19
41	321.23.0949.28783	B21
43	DEFLCAMB1014	

Item	Drawing Number	Truss
2	321.23.0949.36700	A02
4	321.23.0949.52813	A04
6	321.23.0949.56280	A06
8	321.23.0950.12780	A08
10	321.23.0950.43173	A10
12	321.23.0950.46393	A12
14	321.23.0950.50007	A14
16	321.23.0950.53537	A16
18	321.23.0951.09690	A18
20	321.23.0951.32747	A20
22	321.23.0951.52783	B02
24	321.23.0952.10890	B04
26	321.23.0952.21663	B06
28	321.23.0952.33607	B08
30	321.23.0952.53580	B10
32	321.23.0953.11970	B12
34	321.23.0953.18373	B14
36	321.23.0953.27617	B16
38	321.23.0953.37967	B18
40	321.23.0953.43597	B20
42	STRBRIBR1014	

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.

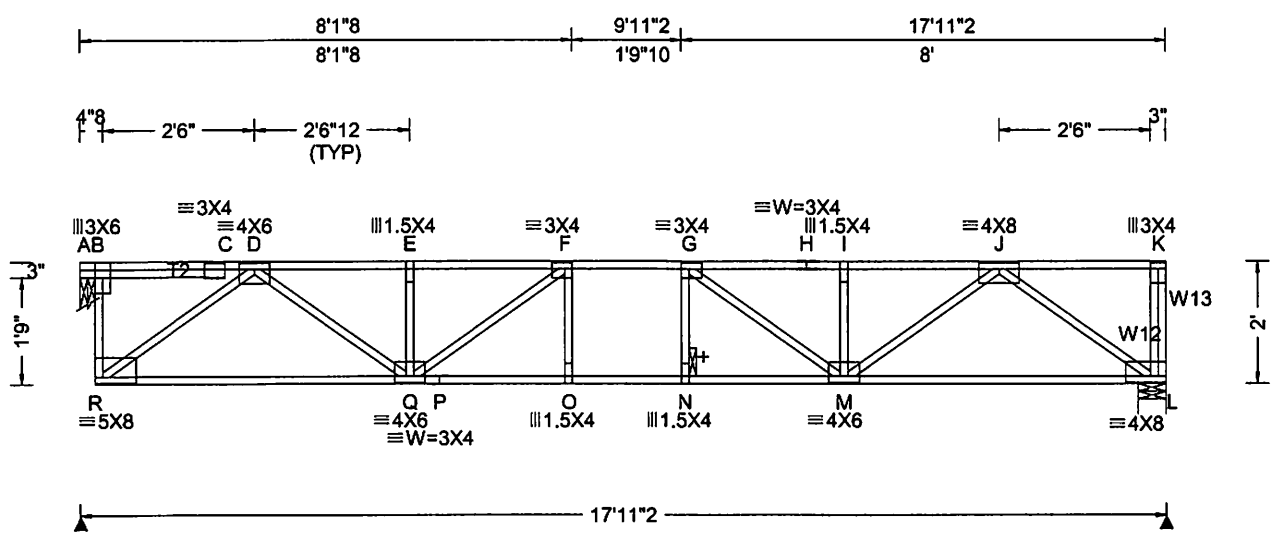
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze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

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

References:

1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; www.alpineitw.com.
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www. sbcacomponents.com.

SEQN: 75837 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T20
FROM:	Qty: 3	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0949.31883
		Truss Label: A01	/ DJR 11/17/2023



Loading Criteria (psf)

TCLL:	30.00
TCDL:	18.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	58.00
NCBCLL:	10.00
Soffit:	0.00

Load Duration: 1.00
Spacing: 16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: Varies by Ld Case
FT/RT/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.115 G	999	640
VERT(CL):	0.245 G	858	480
HORZ(LL):	-0.014 J	-	-
HORZ(TL):	0.028 L	-	-

Creep Factor: 2.0
Max TC CSI: 0.496
Max BC CSI: 0.477
Max Web CSI: 0.404

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	744	/-	/-	/-	/-	/-
L	1298	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
L Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1531	G - H	0	-1949
E - F	0	-1531	H - I	0	-1949
F - G	0	-1857	I - J	0	-1949

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	938	0	O - N	1857	0
Q - P	1855	0	N - M	1857	0
P - O	1855	0	M - L	1399	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - B	712	0	I - M	0	-407
R - D	0	-1173	M - J	742	0
D - Q	735	0	J - L	0	-1750
Q - F	0	-637			

Lumber

Top chord: 4x2 SP 2400f-2.0E; T2 4x2 SPF #1/#2;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2; W12,W13 4x2 SP 2400f-2.0E;

Special Loads

(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	64 plf at	0.00 to	64 plf at	12.55
TC: From	117 plf at	12.55 to	117 plf at	12.64
TC: From	144 plf at	12.64 to	144 plf at	17.47
TC: From	91 plf at	17.47 to	91 plf at	17.93
BC: From	13 plf at	0.25 to	13 plf at	17.93

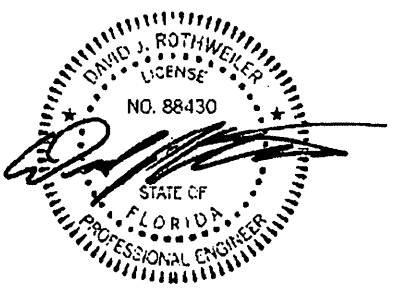
Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

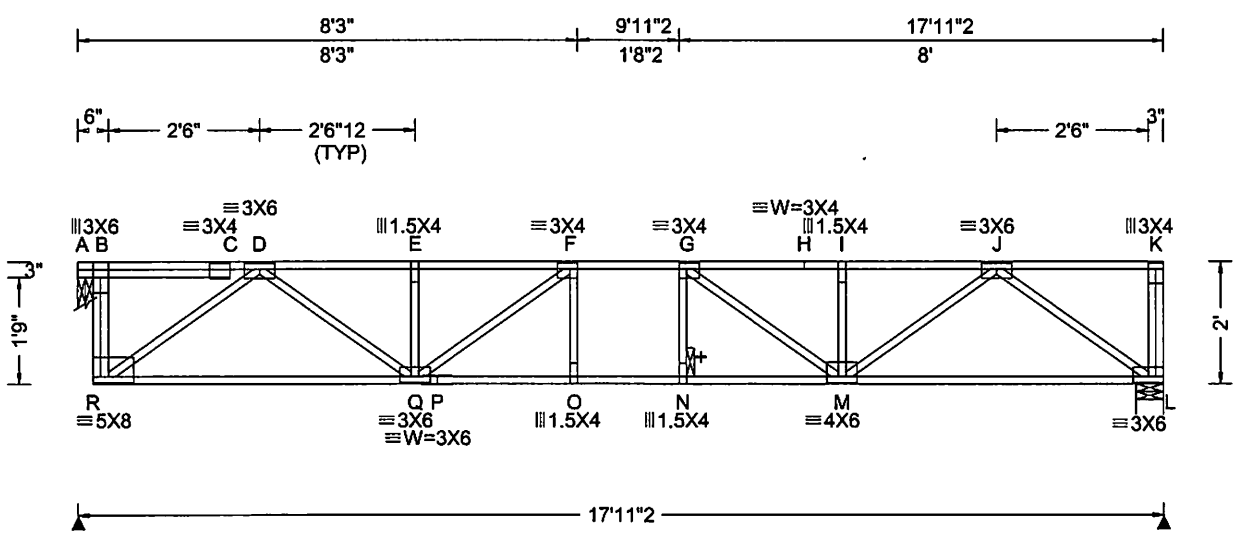
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75838 SY42 FROM:	Ply: 1 Qty: 2	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** A02	Cust: R 9419 JRef: 1XUU94190010 T19 DrwNo: 321.23.0949.36700 / DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.087 N 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.192 F 999 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.014 J - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.033 R - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.391
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.664
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.260
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	64 plf at	0.00 to	64 plf at	12.64
TC: From	91 plf at	12.64 to	91 plf at	17.47
TC: From	64 plf at	17.47 to	64 plf at	17.93
BC: From	13 plf at	0.25 to	13 plf at	17.93

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	704	/-	/-	/-	/-	/-
L	808	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
L Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

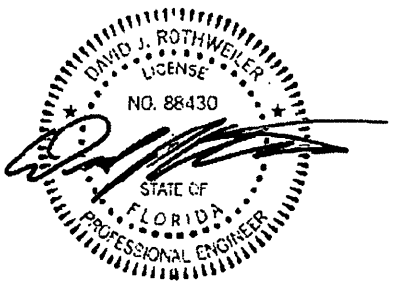
Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1445	G - H	0	-1466
E - F	0	-1445	H - I	0	-1466
F - G	0	-1671	I - J	0	-1466

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	907	0	O - N	1671	0
Q - P	1670	0	N - M	1670	0
P - O	1670	0	M - L	899	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - B	909	-275	Q - F	0	-376
R - D	0	-1077	M - J	702	0
D - Q	667	0	J - L	0	-1126

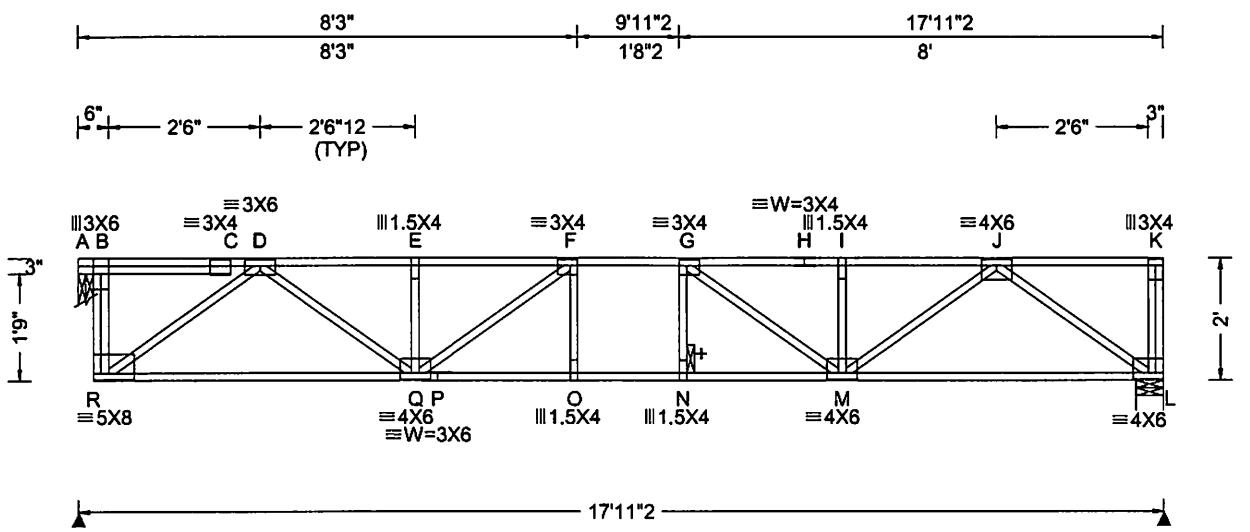


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 75839 SY42 FROM:	Ply: 1 Qty: 5	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D Truss Label: A03	Cust: R 9419 JRef: 1XUU94190010 T18 DrwNo: 321.23.0949.49297 / DJR 11/17/2023



Loading Criteria (psf)

TCLL:	30.00
TCDL:	18.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	58.00
NCBCLL:	10.00
Soffit:	0.00
Load Duration:	1.00
Spacing:	16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: Varies by Ld Case
FT/RT/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.097 N	999	640
VERT(CL):	0.192 F	999	480
HORZ(LL):	-0.015 J	-	-
HORZ(TL):	0.033 R	-	-

Creep Factor: 2.0
Max TC CSI: 0.577
Max BC CSI: 0.666
Max Web CSI: 0.279

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
A	710 /-	/-	/-	/-	/-
L	984 /-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
L Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1463	G - H	0	-1505
E - F	0	-1463	H - I	0	-1505
F - G	0	-1701	I - J	0	-1505

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	916	0	O - N	1701	0
Q - P	1700	0	N - M	1701	0
P - O	1700	0	M - L	962	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - B	917	-276	Q - F	0	-392
R - D	0	-1089	M - J	687	0
D - Q	677	0	J - L	0	-1207

Lumber

Top chord: 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	64 plf at	0.00 to	64 plf at	12.64
TC: From	91 plf at	12.64 to	91 plf at	16.22
TC: From	197 plf at	16.22 to	197 plf at	17.47
TC: From	171 plf at	17.47 to	171 plf at	17.93
BC: From	13 plf at	0.25 to	13 plf at	17.93

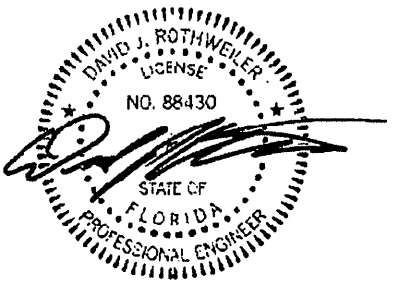
Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

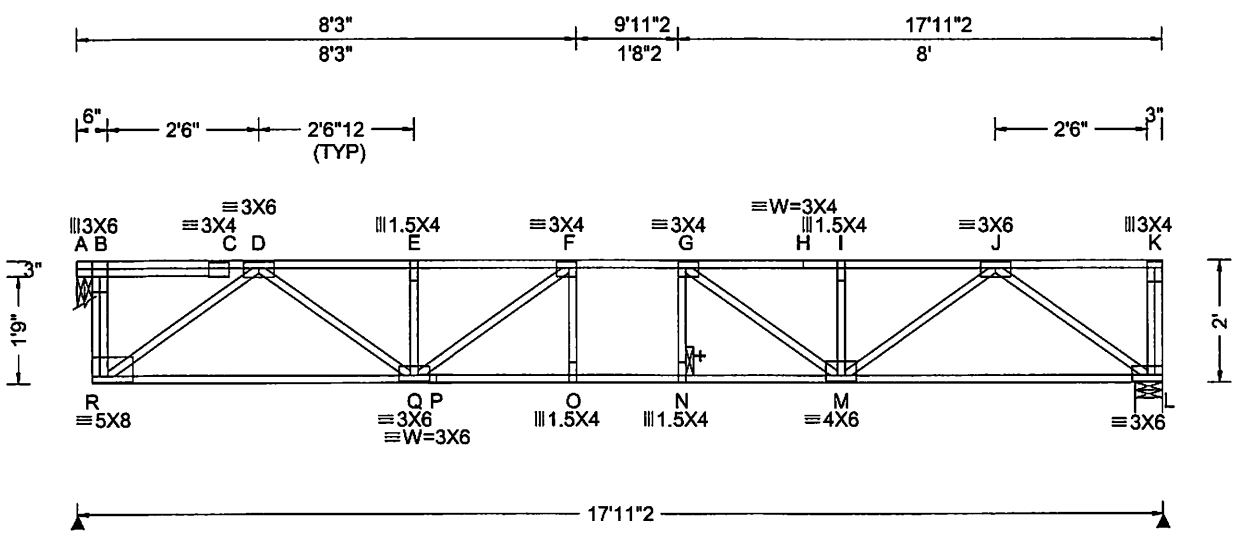
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75840 SY42 FROM:	Ply: 1 Qty: 6	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** A04	Cust: R 9419 JRef: 1XUU94190010 T16 DrwNo: 321.23.0949.52813 / DJR 11/17/2023



Loading Criteria (psf)

TCLL:	30.00
TCDL:	18.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	58.00
NCBCLL:	10.00
Soffit:	0.00

Load Duration: 1.00
Spacing: 16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.095	O	999	640
VERT(CL): 0.193	F	999	480
HORZ(LL): -0.015	R	-	-
HORZ(TL): 0.034	R	-	-

Creep Factor: 2.0
Max TC CSI: 0.340
Max BC CSI: 0.549
Max Web CSI: 0.250

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+ / R-		/ Rh	/ Rw	/ U	/ RL
A	685	/-	/-	/-	/-	/-
L	698	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
L Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1391	G - H	0	-1333
E - F	0	-1391	H - I	0	-1333
F - G	0	-1579	I - J	0	-1333

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	877	0	O - N	1579	0
Q - P	1579	0	N - M	1578	0
P - O	1579	0	M - L	781	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - B	885	-271	G - M	0	-385
R - D	0	-1041	M - J	684	0
D - Q	637	0	J - L	0	-978

Lumber

Top chord: 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

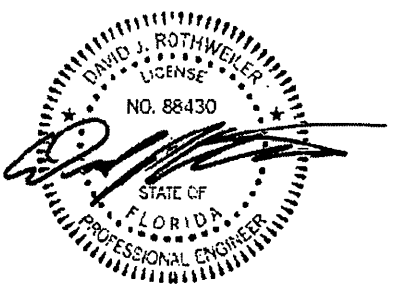
Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

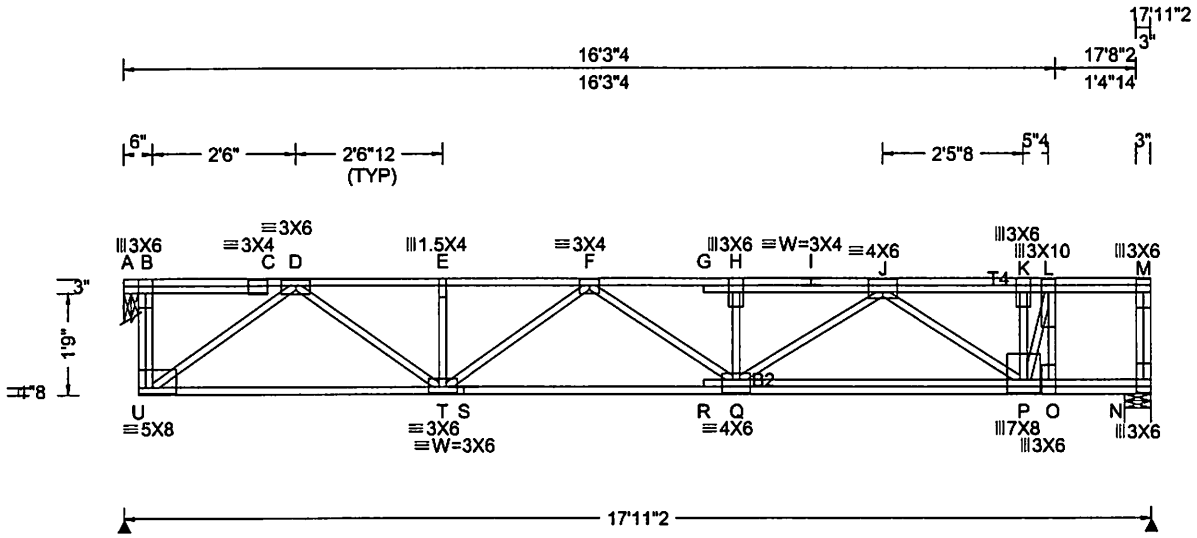
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75841 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** A05	Cust: R 9419 JRef:1XUU94190010 T27 DrwNo: 321.23.0949.54387 / DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.160 J 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.309 J 682 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.026 U - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.050 U - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.658
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.636
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.500
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SPF #1/#2; T4 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SPF #1/#2; B2 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	688	/-	/-	/-	/-	/-
N	698	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
N Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & N are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

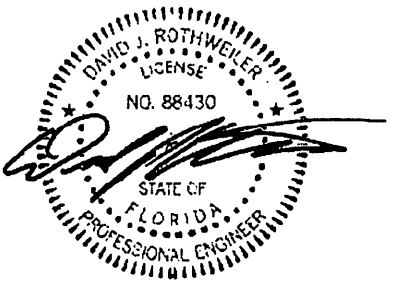
Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1390	I - J	0	-1550
E - F	0	-1390	J - K	0	-610
F - H	0	-1550	K - L	0	-610
H - I	0	-1551			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	878	0	S - Q	1586	0
T - S	1586	0	Q - P	1281	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - B	884	-269	P - L	1774	0
U - D	0	-1043	L - O	0	-798
D - T	635	0	N - M	1074	0
J - P	0	-823	M - N	0	-1525
K - P	0	-607			

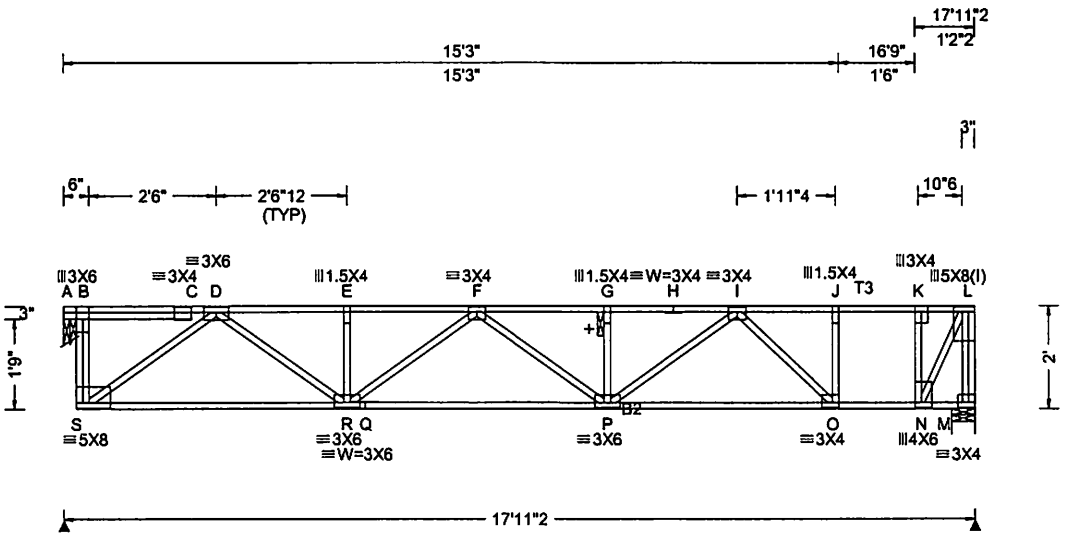


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 75842 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T26
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0949.56280
		Truss Label: A06	/ DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.193 I 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.371 I 568 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.031 S - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.059 S - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.709
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.623
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.399
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SPF #1/#2; T3 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SPF #1/#2; B2 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Plating Notes

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

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	687	/-	/-	/-	/-	/-
M	698	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
M Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

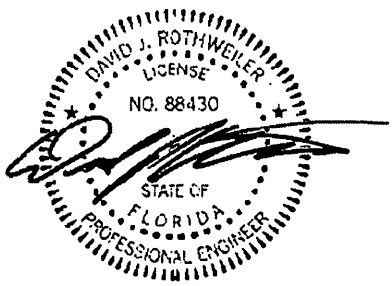
Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1387	H - I	0	-1560
E - F	0	-1387	I - J	0	-594
F - G	0	-1560	J - K	0	-581
G - H	0	-1560	K - L	0	-555

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	877	0	P - O	1194	0
R - Q	1594	0	O - N	581	0
Q - P	1594	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - B	883	-269	O - J	385	0
S - D	0	-1041	K - N	0	-767
D - R	632	0	N - L	1415	0
P - I	455	0	L - M	0	-985
I - O	0	-850			



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

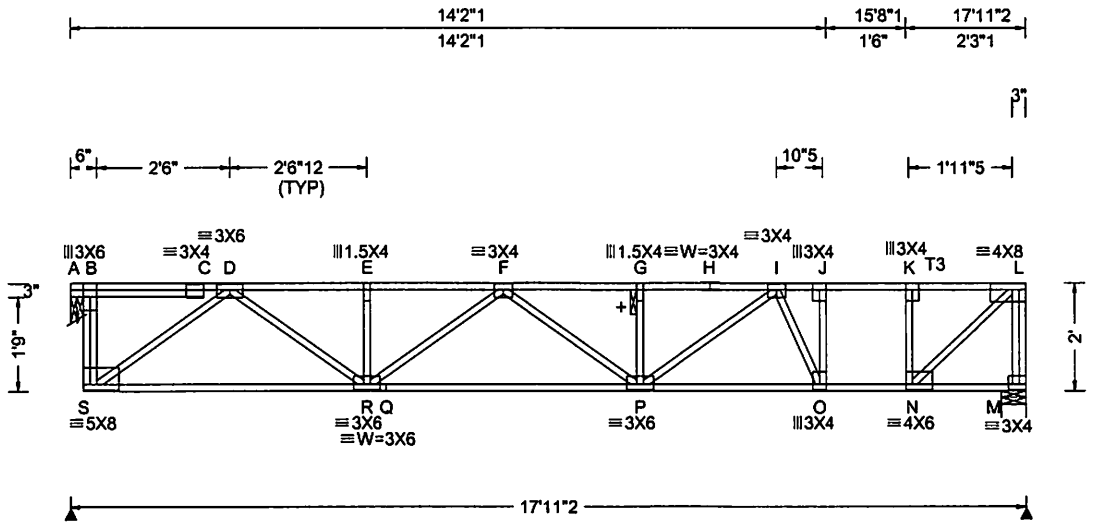
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75843 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** A07	Cust: R 9419 JRef: 1XUU94190010 T25 DrwNo: 321.23.0950.06780 / DJR 11/17/2023



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.188 I 999 640
BCLL:	0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.365 I 576 480
BCDL:	10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.031 S - -
Des Ld:	58.00	EXP: NA Kzt: NA		HORZ(TL): 0.060 S - -
NCBCLL:	10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit:	0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.695
Load Duration:	1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.814
Spacing:	16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.321
		C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
		Loc. from endwall: NA	Plate Type(s):	
		I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
		Wind Duration: NA		

Lumber

Top chord: 4x2 SPF #1/#2; T3 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	685	/-	/-	/-	/-	/-
M	698	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
M Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

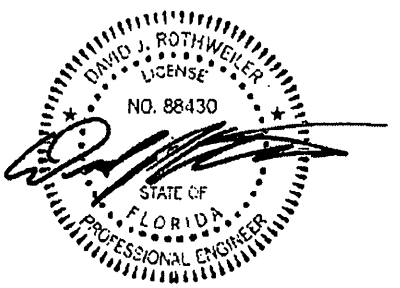
Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1388	H - I	0	-1557
E - F	0	-1388	I - J	0	-844
F - G	0	-1557	J - K	0	-823
G - H	0	-1557	K - L	0	-804

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	877	0	P - O	1174	0
R - Q	1589	0	O - N	823	0
Q - P	1589	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - B	884	-269	O - J	636	0
S - D	0	-1042	K - N	0	-570
D - R	633	0	N - L	1138	0
P - I	483	0	L - M	0	-746
I - O	0	-855			



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

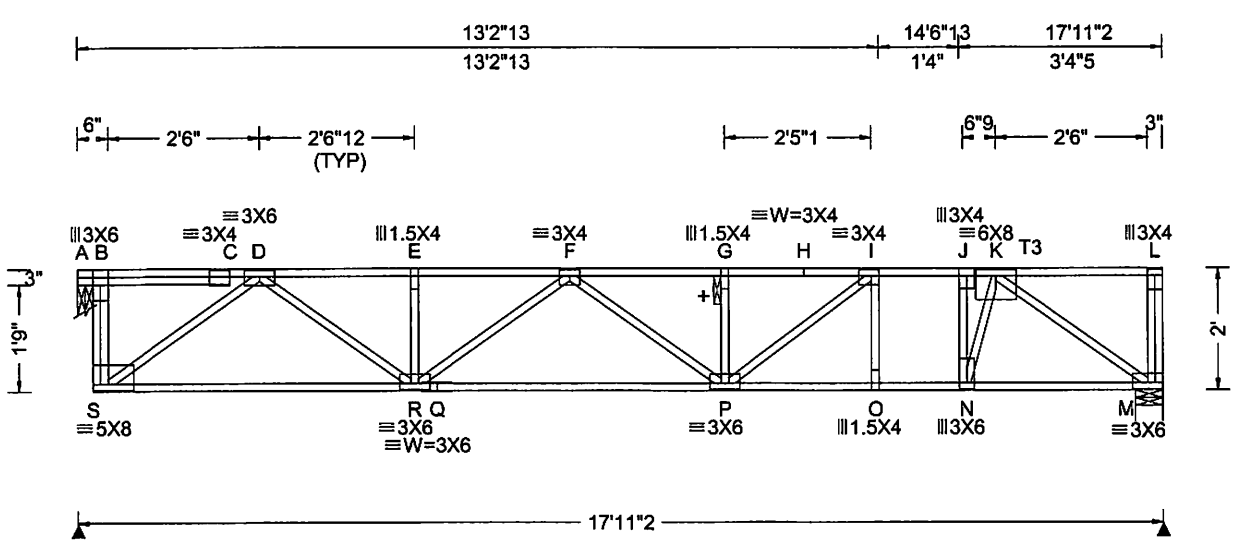
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75844 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** A08	Cust: R 9419 JRef: 1XUU94190010 T24 DrwNo: 321.23.0950.12780 / DJR 11/17/2023



Loading Criteria (psf)
TCLL: 30.00
TCDL: 18.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 58.00
NCBCLL: 10.00
Soffit: 0.00
Load Duration: 1.00
Spacing: 16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.174	G	999	640
VERT(CL): 0.334	G	630	480
HORZ(LL): -0.029	S	-	-
HORZ(TL): 0.055	S	-	-

Creep Factor: 2.0
Max TC CSI: 0.748
Max BC CSI: 0.877
Max Web CSI: 0.256

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
A	685 /-	/-	/-	/-	/-
M	698 /-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
M Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & M 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.
D - E	0	-1390	H - I	0	-1575
E - F	0	-1390	I - J	0	-1080
F - G	0	-1575	J - K	0	-1060
G - H	0	-1575			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	877	0	P - O	1087	0
R - Q	1583	0	O - N	1080	0
Q - P	1583	0	N - M	846	0

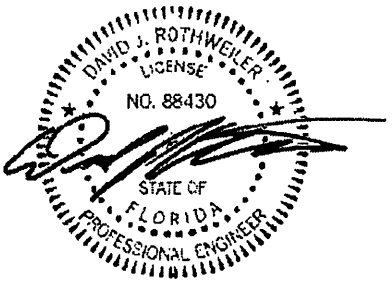
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - B	884	-270	J - N	0	-645
S - D	0	-1042	N - K	907	0
D - R	636	0	K - M	0	-1059
P - I	641	0			

Lumber
Top chord: 4x2 SPF #1/#2; T3 4x2 SPF 1650f-1.5E;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

Additional Notes
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

Live Load
30 psf Live Load for habitable attics and sleeping areas only.

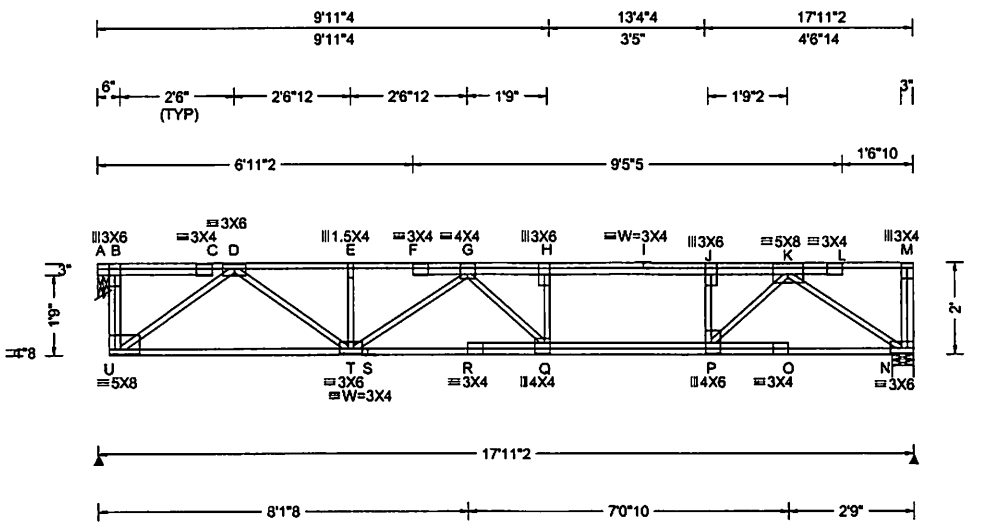


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 75879 SY42 FROM:	Ply: 1 Qty: 3	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** A09	Cust: R 9419 JRef: 1XUU94190010 T15 DrwNo: 321.23.0950.14610 / DJR 11/17/2023



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.200 H 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.401 H 525 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.033 U - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.067 U - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.443
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.316
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.260
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	685	/-	/-	/-	/-	/-
N	698	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
N Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & 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.
D - E	0	-1386	H - I	0	-1484
E - F	0	-1386	I - J	0	-1484
F - G	0	-1391	J - K	0	-1467
G - H	0	-1487			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	884	0	Q - P	1484	0
T - S	1628	0	P - O	843	0
S - R	1628	0	O - N	841	0
R - Q	1627	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - B	812	-189	J - P	0	-483
U - D	0	-1061	P - K	921	0
D - T	622	0	K - N	0	-1040

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Deflection

Max JT VERT DEFL: LL: 0.20" DL: 0.22". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

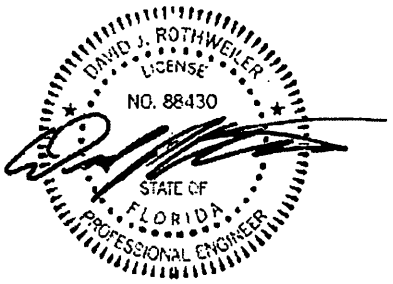
See detail STRBRIBR1014 for bracing and bridging recommendations.

Maximum panel length exceeds 30". TPI allows non-bearing partition walls to be supported at any point when panels are 30" or less.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

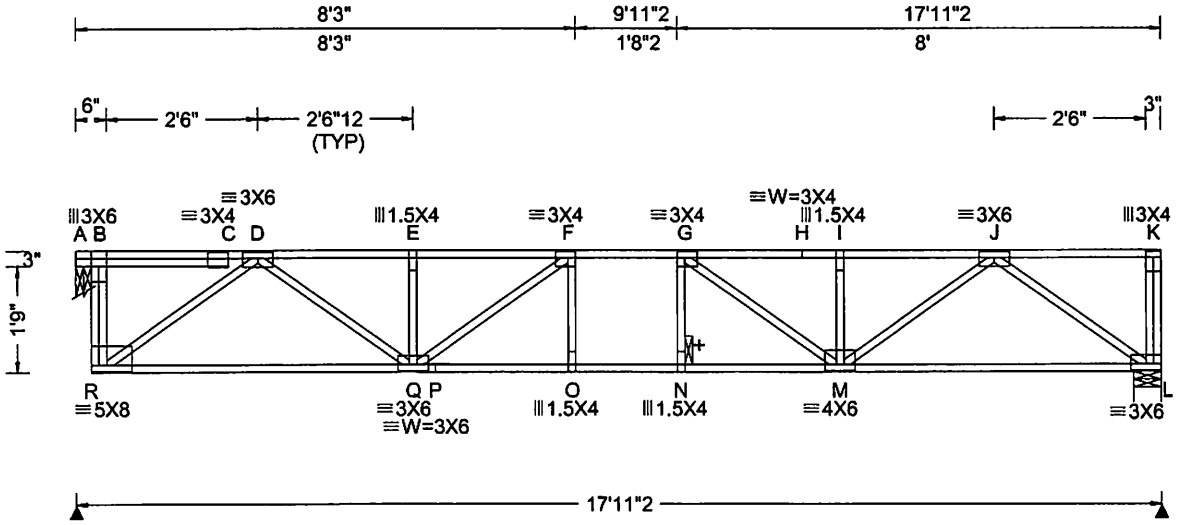
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75846 SY42 FROM:	Ply: 1 Qty: 3	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** A10	Cust: R 9419 JRef: 1XUU94190010 T23 DrwNo: 321.23.0950.43173 / DJR 11/17/2023



Loading Criteria (psf)

TCLL:	30.00
TCDL:	18.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	58.00
NCBCLL:	10.00
Soffit:	0.00
Load Duration:	1.00
Spacing:	16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.095 O	999	640
VERT(CL):	0.193 F	999	480
HORZ(LL):	-0.015 R	-	-
HORZ(TL):	0.034 R	-	-

Creep Factor: 2.0
Max TC CSI: 0.340
Max BC CSI: 0.549
Max Web CSI: 0.250

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+ / R-		/ Rh	/ Rw	/ U	/ RL
A	685 /-		/-	/-	/-	/-
L	698 /-		/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
L Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1391	G - H	0	-1333
E - F	0	-1391	H - I	0	-1333
F - G	0	-1579	I - J	0	-1333

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	877	0	O - N	1579	0
Q - P	1579	0	N - M	1578	0
P - O	1579	0	M - L	781	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - B	885	-271	G - M	0	-385
R - D	0	-1041	M - J	684	0
D - Q	637	0	J - L	0	-978

Lumber

Top chord: 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

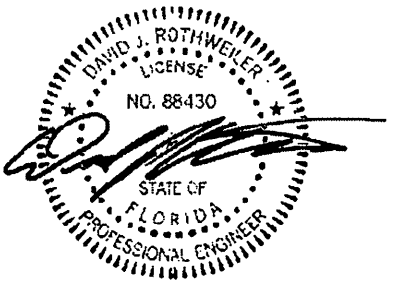
Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

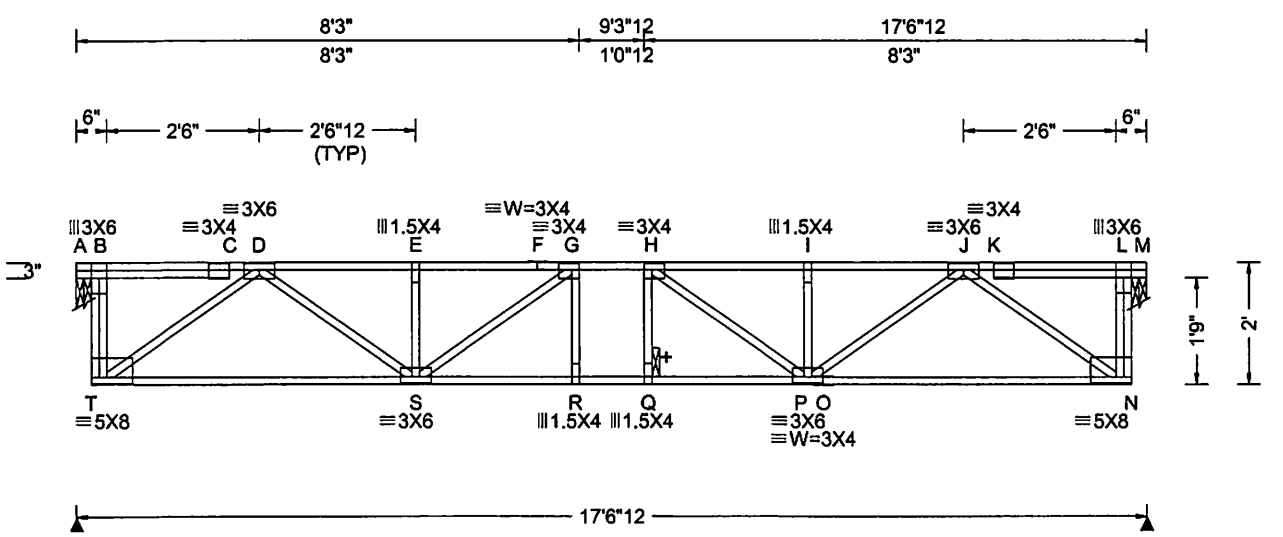


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc, shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 75847 SY42 FROM:	Ply: 1 Qty: 2	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** A11	Cust: R 9419 JRef: 1XUU94190010 T17 DrwNo: 321.23.0950.44720 / DJR 11/17/2023



Loading Criteria (psf)

TCLL:	30.00
TCDL:	18.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	58.00
NCBCLL:	10.00
Soffit:	0.00

Load Duration: 1.00
Spacing: 16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.094	R	999	640
VERT(CL): 0.181	R	999	480
HORZ(LL): -0.015	T	-	-
HORZ(TL): 0.029	T	-	-

Creep Factor: 2.0
Max TC CSI: 0.304
Max BC CSI: 0.575
Max Web CSI: 0.246

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+ / R-		/ Rh	/ Rw	/ U	/ RL
A	676 /-		/-	/-	/-	/-
L	676 /-		/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
L Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1364	G - H	0	-1544
E - F	0	-1364	H - I	0	-1364
F - G	0	-1364	I - J	0	-1364

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	863	0	Q - P	1544	0
S - R	1544	0	P - O	863	0
R - Q	1544	0	O - N	863	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
T - B	873	-268	P - J	621	0
T - D	0	-1024	J - N	0	-1024
D - S	621	0	L - N	873	-268

Lumber

Top chord: 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

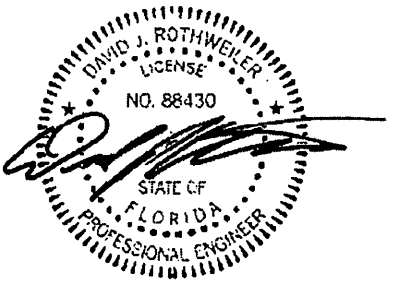
Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

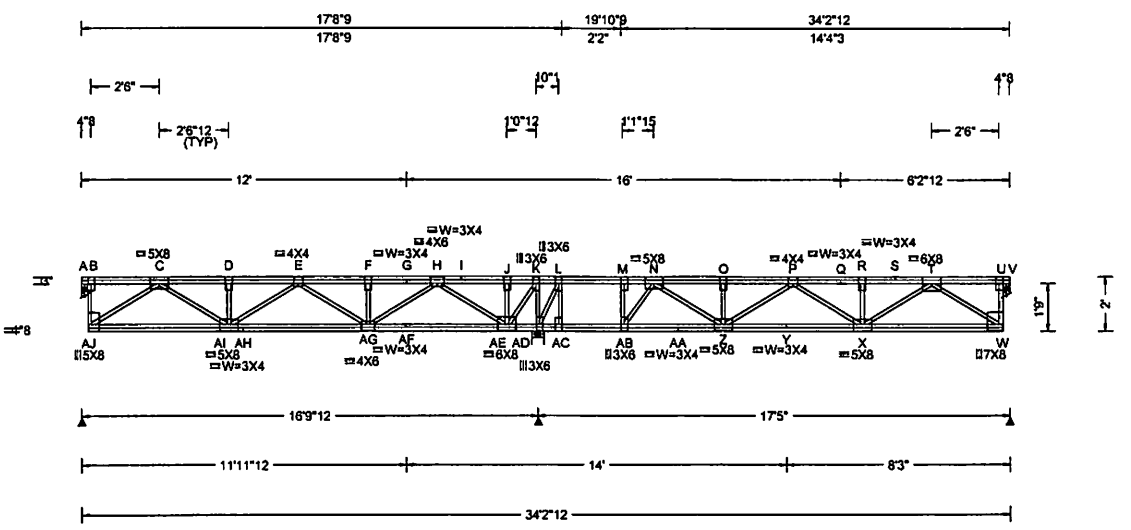
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75848 SY42 FROM:	Ply: 1 Qty: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D Truss Label: A12		Cust: R 9419 JRef: 1XUU94190010 T14 DrwNo: 321.23.0950.46393 / DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.204 N 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.384 N 538 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.014 T - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.026 T - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.740
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.593
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.432
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	64 plf at	0.00 to	64 plf at	28.52
TC: From	184 plf at	28.52 to	184 plf at	34.23
BC: From	13 plf at	0.25 to	13 plf at	33.98

Plating Notes

All plates are 3X6 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.20" DL: 0.20". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	686	/-	/-	/-	/-	/-
AD	1367	/-	/-	/-	/-	/-
U	1279	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AD Brg Wid = 5.5 Min Req = 1.5 (Truss)
U Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AD, & U are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

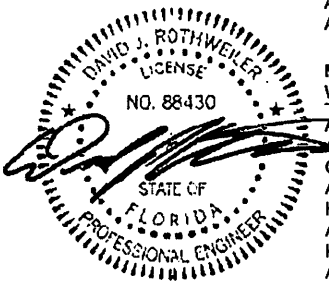
Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-1454	L - M	0	-1055
D - E	0	-1454	M - N	0	-1072
E - F	0	-1649	N - O	0	-2195
F - G	0	-1649	O - P	0	-2195
G - H	0	-1649	P - Q	0	-2243
H - I	0	-681	Q - R	0	-2243
I - J	0	-681	R - S	0	-2243
J - K	0	-681	S - T	0	-2243
K - L	58	-533			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AJ-AI	912	0	AC-AB	1055	0
AI-AH	1680	0	AB-AA	1620	0
AH-AG	1680	0	AA- Z	1620	0
AG-AF	1292	0	Z - Y	2346	0
AF-AE	1292	0	Y - X	2346	0
AE-AD	522	-30	X - W	1613	0
AD-AC	1038	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AJ- B	648	0	L -AC	594	0
J- C	0	-1115	M -AB	628	0
C -AI	656	0	AB- N	0	-1087
AG- H	506	0	N - Z	698	0
H -AE	0	-813	X - T	763	0
AE- K	664	0	T - W	0	-1971
K -AD	147	-394	U - W	1126	0
AD- L	0	-1642			



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

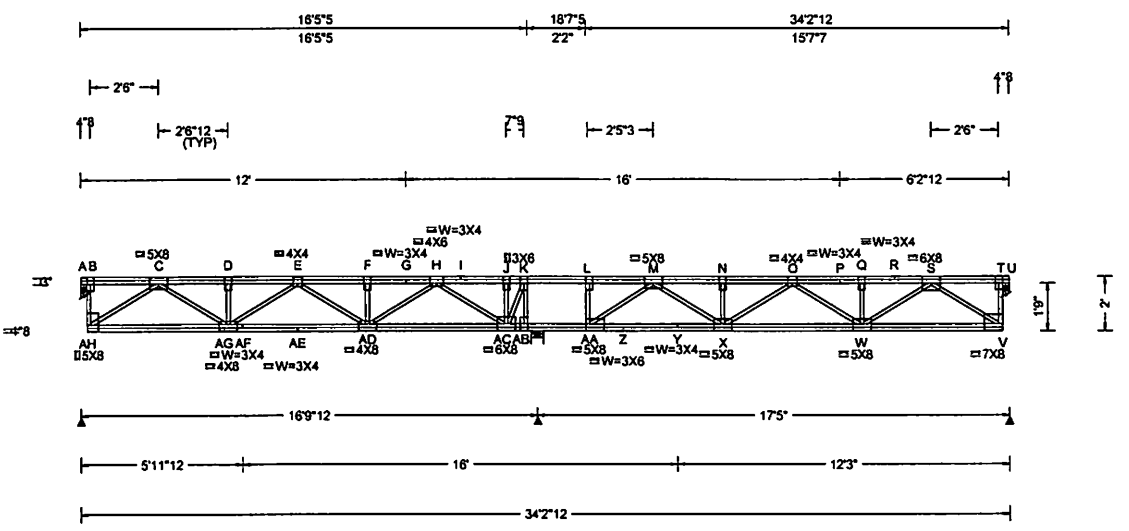
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75849 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** A13	Cust: R 9419 JRef: 1XUU94190010 T10 DrwNo: 321.23.0950.48080 / DJR 11/17/2023



Loading Criteria (psf)

TCLL:	30.00
TCDL:	18.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	58.00
NCBCLL:	10.00
Soffit:	0.00
Load Duration:	1.00
Spacing:	16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: Varies by Ld Case
FT/RT/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.200 M	999	640
VERT(CL):	0.390 M	531	480
HORZ(LL):	0.015 V	-	-
HORZ(TL):	0.031 V	-	-

Creep Factor: 2.0
Max TC CSI: 0.703
Max BC CSI: 0.827
Max Web CSI: 0.422

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	622	/-	/-	/-	/-	/-
AB	1482	/-	/-	/-	/-	/-
T	1259	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AB Brg Wid = 5.5 Min Req = 1.5 (Truss)
T Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AB, & T are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-1272	M - N	0	-2078
D - E	0	-1272	N - O	0	-2078
E - F	0	-1294	O - P	0	-2176
F - G	0	-1294	P - Q	0	-2176
G - H	0	-1294	Q - R	0	-2176
K - L	189	-462	R - S	0	-2176
L - M	185	-475			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AH-AG	817	0	AB-AA	584	-401
AG-AF	1410	0	AA- Z	1507	0
AF-AE	1410	0	Z - Y	1507	0
AE-AD	1410	0	Y - X	1507	0
AD-AC	841	0	X - W	2258	0
AC-AB	478	-158	W - V	1578	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AH- B	583	0	K -AB	0	-886
AH- C	0	-999	AA- M	0	-1325
C -AG	551	0	M - X	755	0
AG- H	583	0	W - S	724	0
H -AC	0	-872	S - V	0	-1929
J -AC	593	0	T - V	1104	0
AC- K	482	-633			

Lumber
Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Special Loads
-----(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

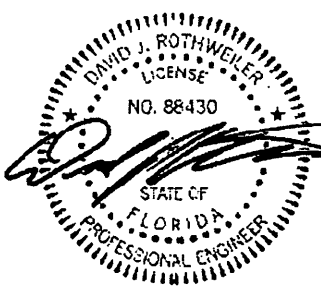
TC: From	64 plf at	0.00 to	64 plf at	28.52
TC: From	184 plf at	28.52 to	184 plf at	34.23
BC: From	13 plf at	0.25 to	13 plf at	33.98

Plating Notes
All plates are 3X6 except as noted.

Deflection
Max JT VERT DEFL: LL: 0.19" DL: 0.22". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes
See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.

Live Load
30 psf Live Load for habitable attics and sleeping areas only.

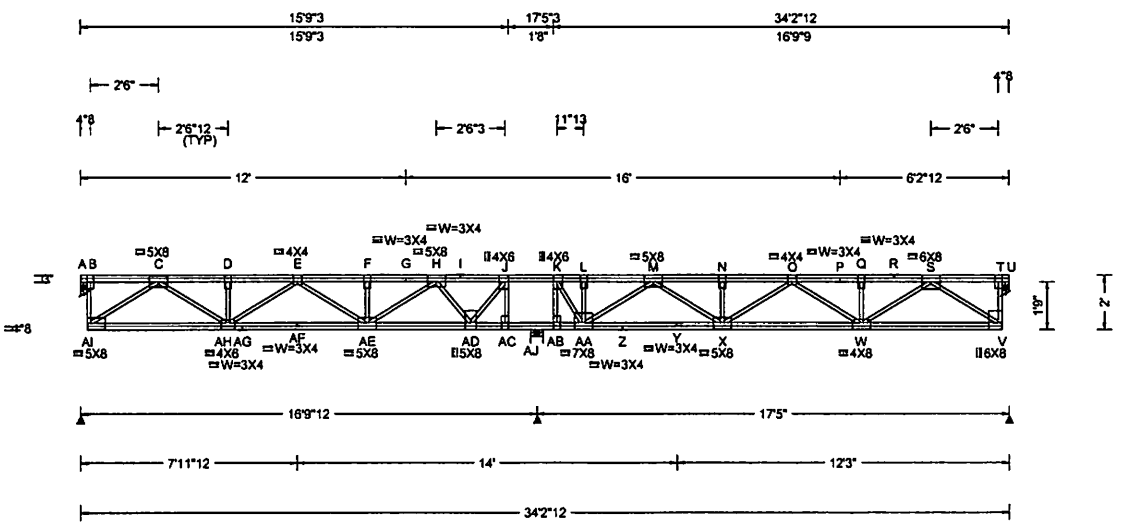


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 75881 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** A14	Cust: R 9419 JRef: 1XUU94190010 T11 DrwNo: 321.23.0950.50007 / DJR 11/17/2023



Loading Criteria (psf)

TCLL:	30.00
TCDL:	18.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	58.00
NCBCLL:	10.00
Soffit:	0.00
Load Duration:	1.00
Spacing:	16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: Varies by Ld Case
FT/RT/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.086	Q	999	640
VERT(CL): 0.170	O	999	480
HORZ(LL): -0.009	AI	-	-
HORZ(TL): 0.017	AI	-	-

Creep Factor: 2.0
Max TC CSI: 0.369
Max BC CSI: 0.650
Max Web CSI: 0.376

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
A	582 /-	/-	/-	/-	/-
AJ	1718 /-	/-	/-	/-	/-
T	1147 /-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AJ Brg Wid = 5.5 Min Req = 1.5 (Truss)
T Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AJ, & T are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-1141	K - L	426	0
D - E	0	-1141	L - M	426	0
E - F	0	-1022	M - N	0	-1383
F - G	0	-1022	N - O	0	-1383
G - H	0	-1022	O - P	0	-1848
H - I	522	-151	P - Q	0	-1848
I - J	522	-151	Q - R	0	-1848
J - K	952	0	R - S	0	-1848

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AI-AH	748	0	AC-AB	0	-519
AH-AG	1212	0	AB-AA	0	-912
AG-AF	1212	0	AA- Z	701	0
AF-AE	1212	0	Z - Y	701	0
AE-AD	550	-313	Y - X	701	0
AD-AC	0	-921	X - W	1738	0
AC-AB	0	-1509	W - V	1406	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AI- B	536	0	K -AA	1146	0
AI- C	0	-915	AA- M	0	-1177
C -AH	475	0	M - X	864	0
AE- H	693	0	X - O	0	-466
H -AD	0	-723	W - S	535	0
AD- J	1011	0	S - V	0	-1718
J -AC	0	-886	T - V	984	0
AB- K	0	-1147			

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	64 plf at	0.00 to	64 plf at	16.58
TC: From	104 plf at	16.58 to	104 plf at	17.43
TC: From	64 plf at	17.43 to	64 plf at	28.52
TC: From	184 plf at	28.52 to	184 plf at	34.23
BC: From	13 plf at	0.00 to	13 plf at	34.23

Plating Notes

All plates are 3X6 except as noted.

Additional Notes

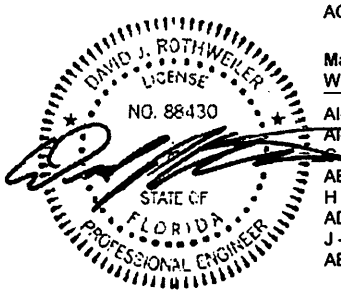
See detail STRBRIBR1014 for bracing and bridging recommendations.

Maximum panel length exceeds 30". TPI allows non-bearing partition walls to be supported at any point when panels are 30" or less.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

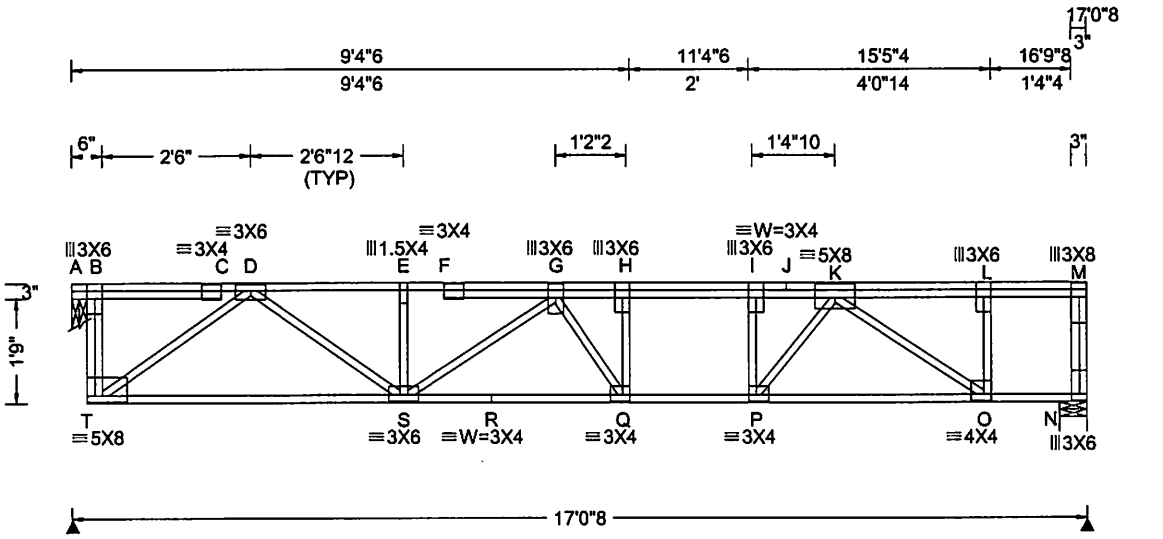


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc, shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 75851 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T7
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida jcb-2nd Floor Fra D	DrwNo: 321.23.0950.51317
		Truss Label: A15	/ DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.176 H 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.340 H 588 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.030 T - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.058 T - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.497
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.459
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.371
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
A	654	/-	/-	/-	/-	/-
N	664	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
N Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & N are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

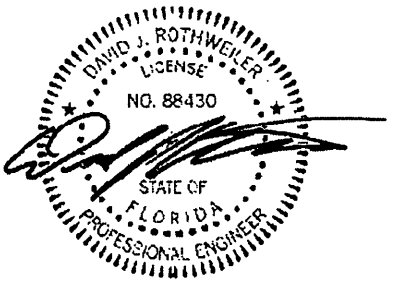
Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1289	H - I	0	-1393
E - F	0	-1289	I - J	0	-1386
F - G	0	-1292	J - K	0	-1386
G - H	0	-1396			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	828	0	Q - P	1393	0
S - R	1471	0	P - O	1131	0
R - Q	1471	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
T - B	772	-186	K - O	0	-1152
T - D	0	-993	O - L	555	0
D - S	571	0	N - M	1315	0
P - K	504	0	M - N	0	-1852

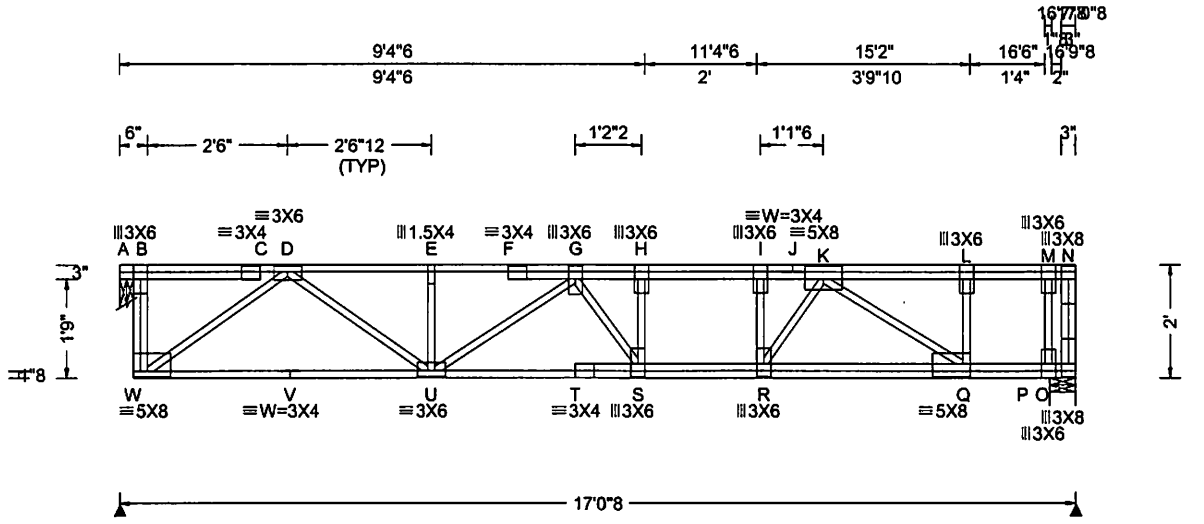


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 75852 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T6
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0950.53537
		Truss Label: A16	/ DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.181 Q 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.348 Q 574 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.030 W - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.058 W - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.451
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.432
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.382
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Deflection

Max JT VERT DEFL: LL: 0.18" DL: 0.20". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	654	/-	/-	/-	/-	/-
O	664	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
O Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & P are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

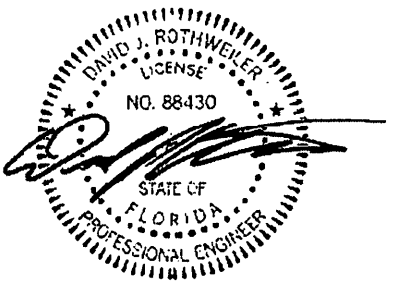
Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1284	H - I	0	-1443
E - F	0	-1284	I - J	0	-1440
F - G	0	-1288	J - K	0	-1440
G - H	0	-1443			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
W - V	826	0	T - S	1478	0
V - U	826	0	S - R	1443	0
U - T	1480	0	R - Q	1232	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
W - B	772	-186	K - Q	0	-1249
W - D	0	-991	Q - L	498	0
D - U	567	0	O - N	1353	0
R - K	483	0	N - O	0	-1687



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

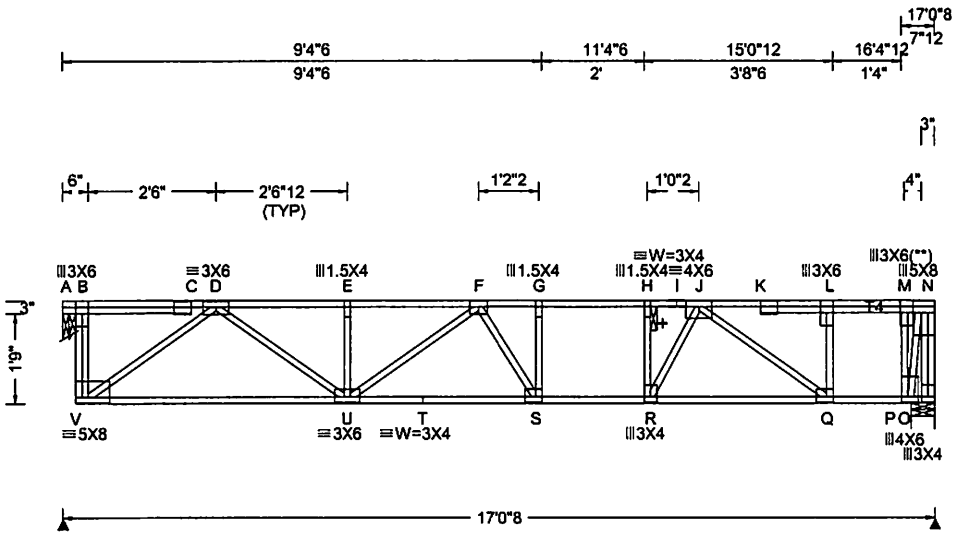
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75853 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** A17	Cust: R 9419 JRef: 1XUU94190010 T1 DrwNo: 321.23.0950.59393 / DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.189 G 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.363 G 550 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.033 V - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.063 V - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.620
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.470
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.489
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E; T4 4x2 SPF #1/#2;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Plating Notes

All plates are 3X4 except as noted.

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

Deflection

Max JT VERT DEFL: LL: 0.19" DL: 0.19". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	654	/-	/-	/-	/-	/-
O	664	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
O Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & P are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

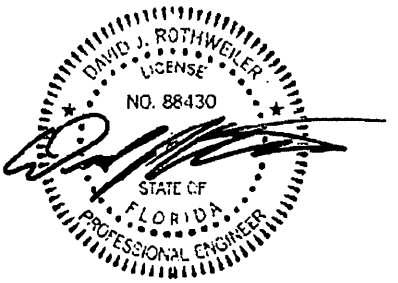
Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1294	G - H	0	-1350
E - F	0	-1294	H - I	0	-1344
F - G	0	-1352	I - J	0	-1344

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	828	0	S - R	1350	0
U - T	1424	0	R - Q	1160	0
T - S	1424	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
V - B	774	-188	Q - L	399	0
V - D	0	-992	M - P	0	-1128
D - U	578	0	P - N	1734	0
R - J	490	0	O - N	393	0
J - Q	0	-998	N - O	0	-1457

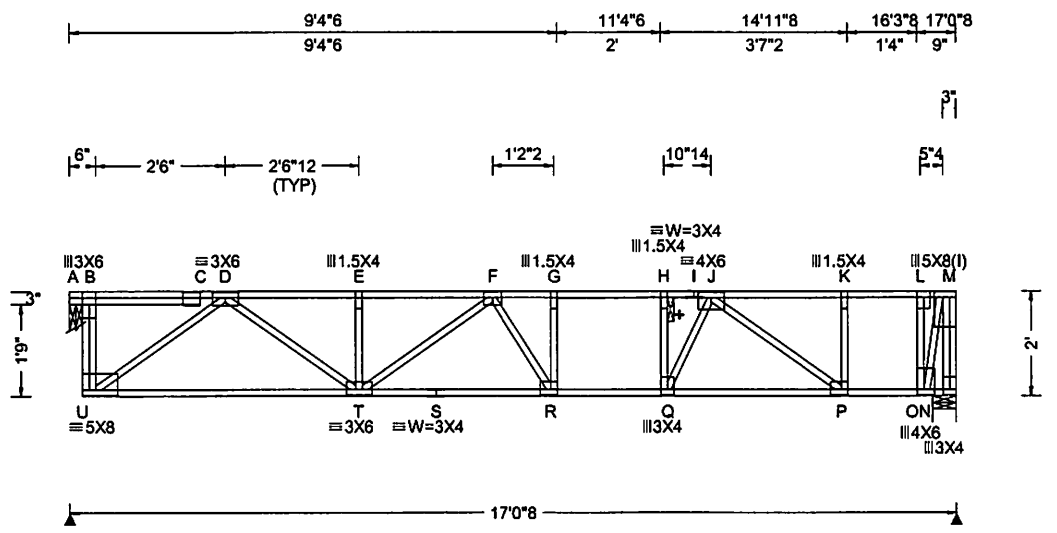


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 75854 SY42 FROM:	Ply: 1 Qty: 3	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D Truss Label: A18	Cust: R 9419 JRef: 1XUU94190010 T9 DrwNo: 321.23.0951.09690 / DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.195 G 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.375 G 533 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.034 U - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.065 U - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.617
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.535
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.515
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Plating Notes

All plates are 3X4 except as noted.

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

Deflection

Max JT VERT DEFL: LL: 0.19" DL: 0.20". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	654	/-	/-	/-	/-	/-
N	664	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
N Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & O are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

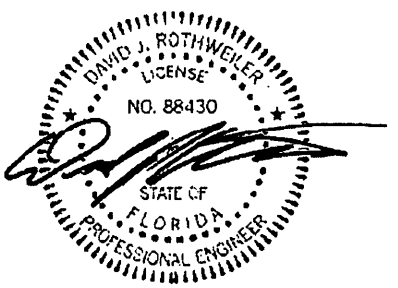
Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1294	H - I	0	-1346
E - F	0	-1294	I - J	0	-1346
F - G	0	-1354	J - K	0	-399
G - H	0	-1352	K - L	0	-389

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	828	0	R - Q	1352	0
T - S	1424	0	Q - P	1178	0
S - R	1424	0	P - O	389	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - B	774	-188	J - P	0	-974
U - D	0	-992	L - O	0	-980
D - T	578	0	O - M	1824	0
Q - J	497	0	M - N	0	-1203

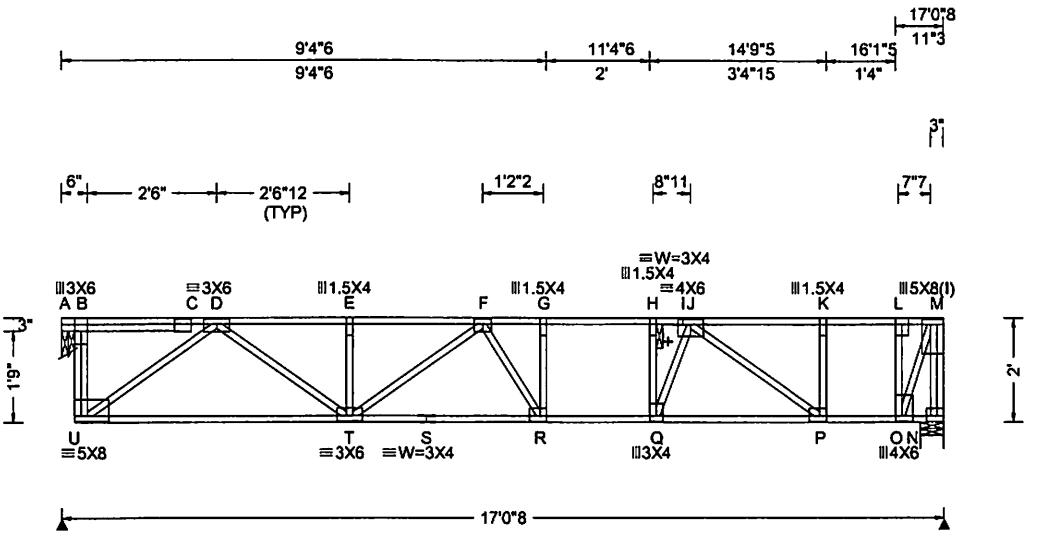


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 75855 SY42 FROM:	Ply: 1 Qty: 6	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** A19	Cust: R 9419 JRef: 1XUU94190010 T3 DrwNo: 321.23.0951.28060 / DJR 11/17/2023



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.182 G 999 640
BCLL:	0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.350 G 571 480
BCDL:	10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.031 U - -
Des Ld:	58.00	EXP: NA Kzt: NA		HORZ(TL): 0.060 U - -
NCBCLL:	10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit:	0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.602
Load Duration:	1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.561
Spacing:	16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.423
		C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
		Loc. from endwall: NA	Plate Type(s):	
		I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
		Wind Duration: NA		

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
A	654	/-	/-		/-	/-	/-
N	664	/-	/-		/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
N Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & 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.
D - E	0	-1294	I - J	0	-1346
E - F	0	-1294	J - K	0	-461
F - G	0	-1355	K - L	0	-452
G - H	0	-1353	L - M	0	-426
H - I	0	-1346			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	828	0	R - Q	1353	0
T - S	1424	0	Q - P	1214	0
S - R	1424	0	P - O	452	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - B	774	-188	J - P	0	-943
U - D	0	-992	L - O	0	-779
D - T	578	0	O - M	1500	0
Q - J	501	0	M - N	0	-1048

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Plating Notes

All plates are 3X4 except as noted.

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

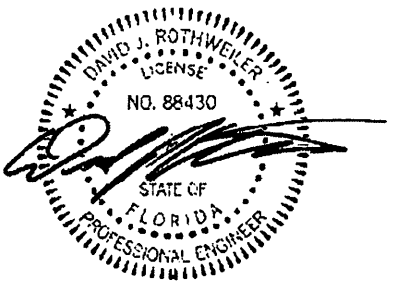
Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.



FL REQ# 278, David J. Rothweiler, FL PE# 88430

11/17/2023

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

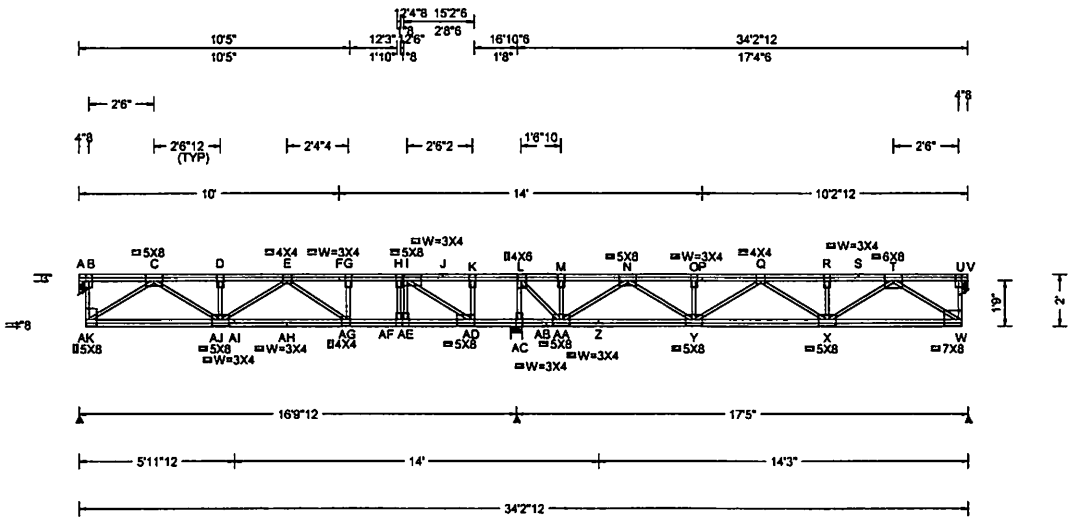
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75856 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** A20	Cust: R 9419 JRef: 1XUU94190010 T12 DrwNo: 321.23.0951.32747 / DJR 11/17/2023



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.159 G 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.286 G 705 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.022 AK - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.042 AK - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.425
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.489
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.425
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	64 plf at	0.00 to	64 plf at	28.52
TC: From	184 plf at	28.52 to	184 plf at	34.23
BC: From	13 plf at	0.25 to	13 plf at	33.98

Plating Notes

All plates are 3X6 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	712	/-	/-	/-	/-	/-
AC	1396	/-	/-	/-	/-	/-
U	1262	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AC Brg Wid = 5.5 Min Req = 1.5 (Truss)
U Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AC, & U are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

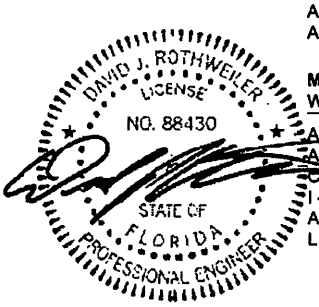
Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-1540	L - M	0	-806
D - E	0	-1540	M - N	0	-806
E - F	0	-1723	N - O	0	-2082
F - G	0	-1723	O - P	0	-2082
G - H	0	-1723	P - Q	0	-2082
H - I	0	-1723	Q - R	0	-2199
I - J	0	-821	R - S	0	-2199
J - K	0	-821	S - T	0	-2199
K - L	0	-812			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AK-AJ	959	0	AD-AC	812	0
AJ-AI	1794	0	AC-AB	826	0
AI-AH	1794	0	AB-AA	826	0
AH-AG	1794	0	AA- Z	1560	0
AG-AF	1723	0	Z - Y	1560	0
AF-AE	1723	0	Y - X	2264	0
AE-AD	1713	0	X - W	1590	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AK- B	677	0	AA- N	0	-1016
AK- C	0	-1172	N - Y	682	0
C -AJ	703	0	X - T	737	0
I -AD	0	-1212	T - W	0	-1943
AC- L	0	-886	U - W	1109	0
L -AA	551	-178			



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

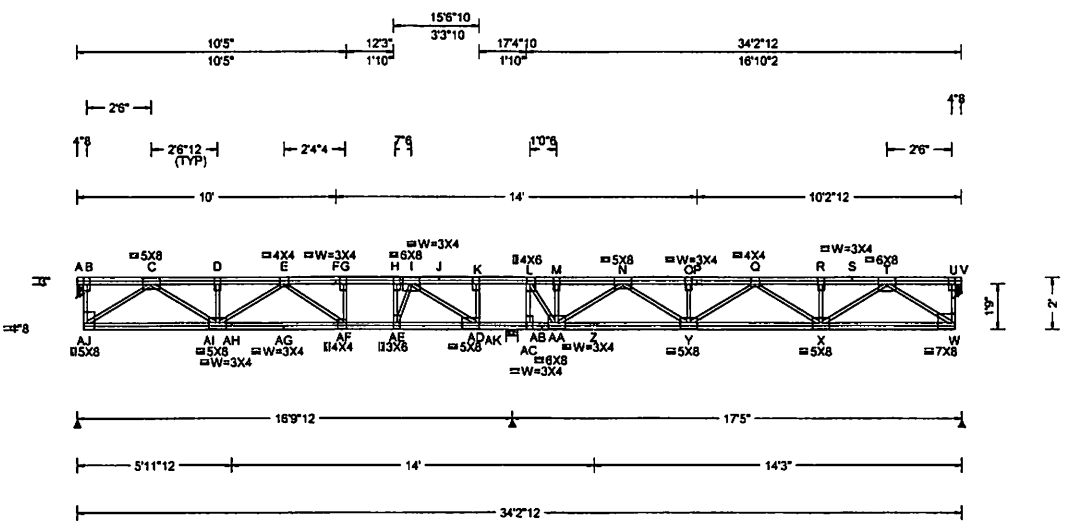
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75857 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T31
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0951.46070
		Truss Label: B01	/ DJR 11/17/2023



Loading Criteria (psf)
TCLL: 30.00
TCDL: 18.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 58.00
NCBCLL: 10.00
Soffit: 0.00
Load Duration: 1.00
Spacing: 16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: Varies by Ld Case
FT/RT/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.134	AF	999	640
VERT(CL): 0.255	G	783	480
HORZ(LL): -0.019	AJ	-	-
HORZ(TL): 0.036	AJ	-	-

Creep Factor: 2.0
Max TC CSI: 0.385
Max BC CSI: 0.663
Max Web CSI: 0.405

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	660	/-	/-	/-	/-	/-
AK	1509	/-	/-	/-	/-	/-
U	1216	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AK Brg Wid = 5.5 Min Req = 1.5 (Truss)
U Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AK, & U are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-1384	M - N	0	-412
D - E	0	-1384	N - O	0	-1793
E - F	0	-1406	O - P	0	-1793
F - G	0	-1406	P - Q	0	-1793
G - H	0	-1404	Q - R	0	-2056
H - I	0	-1394	R - S	0	-2056
L - M	0	-412	S - T	0	-2056

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AJ-AI	878	0	AD-AC	402	-519
AI-AH	1559	0	AA- Z	1212	0
AH-AG	1559	0	Z - Y	1212	0
AG-AF	1559	0	Y - X	2047	0
AF-AE	1404	0	X - W	1515	0
AE-AD	1219	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AJ- B	621	0	L -AA	898	0
AJ- C	0	-1073	AA- N	0	-1055
C -AI	613	0	N - Y	740	0
H -AE	0	-486	X - T	655	0
AE- I	790	0	T - W	0	-1851
I -AD	0	-1169	U - W	1058	0
AC- L	0	-1060			

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	64 plf at	0.00 to	64 plf at	28.52	
TC: From	184 plf at	28.52 to	184 plf at	34.23	
BC: From	13 plf at	0.25 to	13 plf at	33.98	

Plating Notes

All plates are 3X6 except as noted.

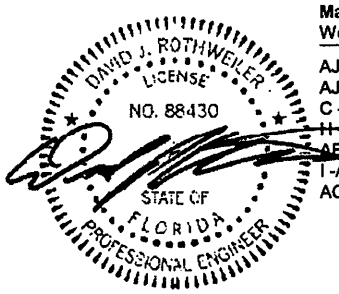
Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

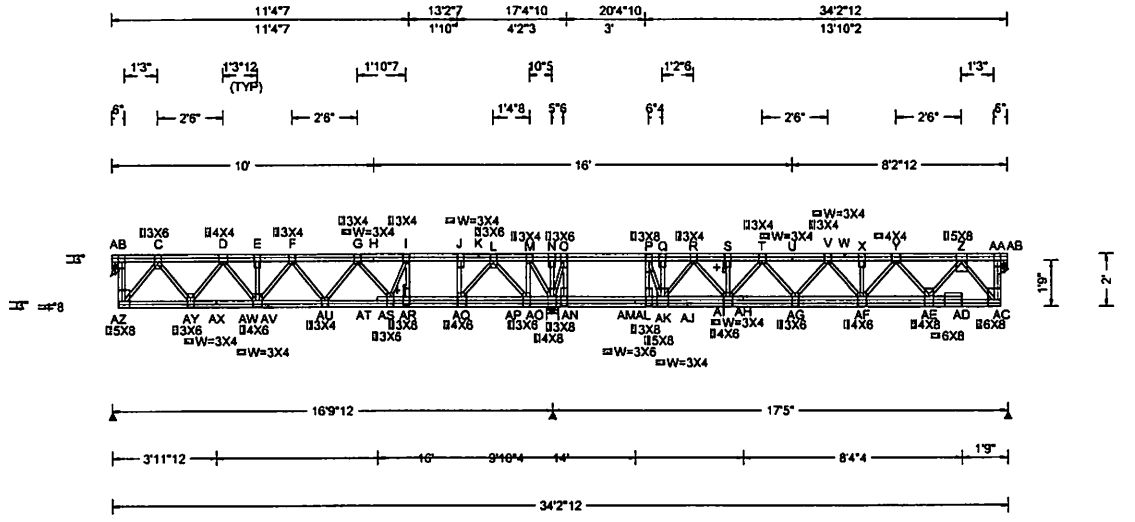
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 120503 SY42 FROM: Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** B02	Cust: R 9419 JRef:1XUU94190010 T28 DrwNo: 321.23.0951.52783 / DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.220 Q 945 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.419 Q 495 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.020 Z - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.038 Z - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.586
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.591
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.198
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SP 2400f-2.0E;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	64 plf at	0.00 to	64 plf at	28.52
TC: From	184 plf at	28.52 to	184 plf at	34.23
BC: From	13 plf at	0.25 to	13 plf at	33.98

Plating Notes

All plates are 3X6 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.22" DL: 0.23". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Maximum panel length exceeds 30". TPI allows non-bearing partition walls to be supported at any point when panels are 30" or less.

Truss must be installed as shown with top chord up.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
A	798	/-	/-	/-	/-	/-
AO	1134	/-	/-	/-	/-	/-
AA	1402	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AO Brg Wid = 5.5 Min Req = 1.5 (Truss)
AA Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AO, & AA are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-1108	O - P	0	-2143
D - E	0	-1806	P - Q	0	-2580
E - F	0	-1806	Q - R	0	-2580
F - G	0	-2192	R - S	0	-2979
G - H	0	-2295	S - T	0	-2979
H - I	0	-2295	T - U	0	-2973
I - J	0	-2291	U - V	0	-2973
J - K	0	-2284	V - W	0	-2703
K - L	0	-2284	W - X	0	-2703
L - M	0	-1689	X - Y	0	-2703
M - N	0	-1703	Y - Z	0	-1808
N - O	0	-1703			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AZ-AY	691	0	AN-AM	2143	0
AY-AX	1498	0	AM-AL	2143	0
AX-AW	1498	0	AL-AK	2176	0
AW-AV	2053	0	AK-AJ	2841	0
AV-AU	2053	0	AJ-AI	2841	0
AU-AS	2310	0	AI-AH	3031	0
AS-AR	2287	0	AH-AG	3031	0
AR-AQ	2291	0	AG-AF	2897	0
AQ-AP	2000	0	AF-AE	2396	0
AP-AO	1678	0	AE-AD	1188	0
AO-AN	2114	0	AD-AC	1188	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AZ- B	884	-45	AL- P	0	-914
AZ- C	0	-1084	P -AK	1408	0
C -AY	718	0	AK- R	0	-469
			R -AJ	0	-417

DAVID J. ROTHWEILER LICENSE NO. 88430 STATE OF FLORIDA PROFESSIONAL ENGINEER

11/17/2023 FL REQ# 278, David J. Rothweiler FL PE# 88430

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

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

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

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

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

SEQN: 120503 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T28
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0951.52783
Page 2 of 2		Truss Label: B02	/ DJR 11/17/2023

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

D -AW	514	0	AF- Y	524	0
AW- F	0	-411	Y -AE	0	-988
AQ- L	660	0	AE- Z	1042	0
L -AP	0	-635	Z -AC	0	-1859
AO- O	0	-1644	AA-AC	1512	-101
O -AN	812	0			

DAVID J. ROTHWEILER LICENSE NO. 88430 STATE OF FLORIDA PROFESSIONAL ENGINEER

11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

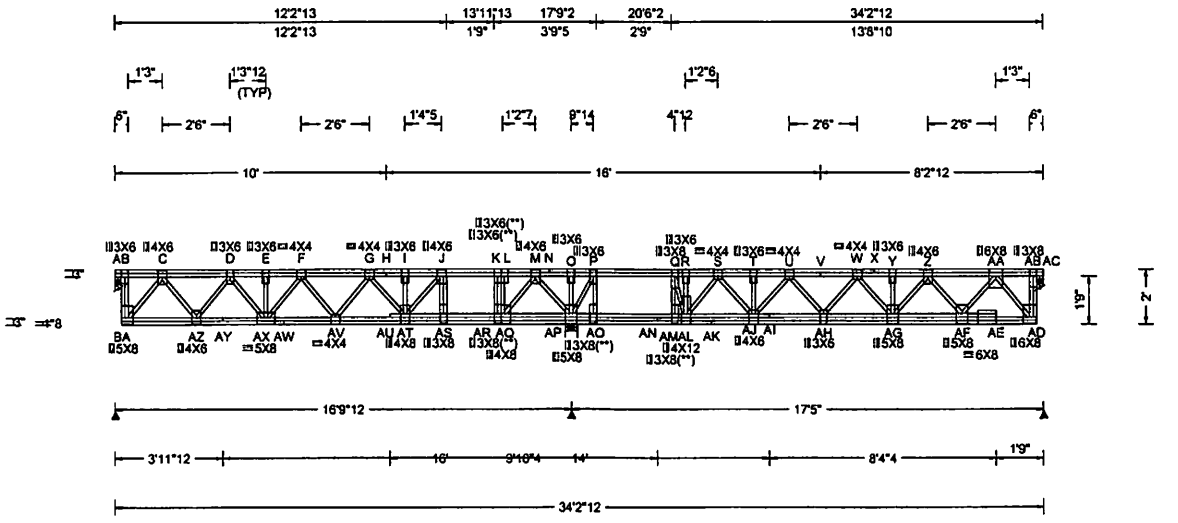
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75885 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T30
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0952.07257
Page 1 of 2		Truss Label: B03	/ DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.207 R 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.397 R 522 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.020 AA - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.037 AA - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.539
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.547
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.397
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	64 plf at	0.00 to	64 plf at	28.52
TC: From	184 plf at	28.52 to	184 plf at	34.23
BC: From	13 plf at	0.25 to	13 plf at	33.98

Plating Notes

All plates are W=3X4 except as noted.

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

Deflection

Max JT VERT DEFL: LL: 0.21" DL: 0.22". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Maximum panel length exceeds 30". TPI allows non-bearing partition walls to be supported at any point when panels are 30" or less.

Truss must be installed as shown with top chord up.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
A	790	/-	/-	/-	/-	/-
AP	1151	/-	/-	/-	/-	/-
AB	1391	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AP Brg Wid = 5.5 Min Req = 1.5 (Truss)
AB Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AP, & AB are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

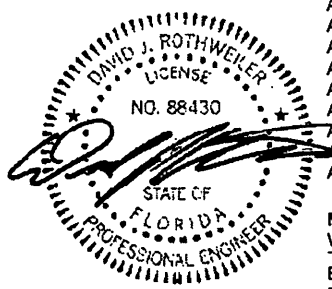
Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-1092	O - P	0	-1452
D - E	0	-1778	P - Q	0	-2126
E - F	0	-1778	Q - R	0	-2425
F - G	0	-2149	R - S	0	-2425
G - H	0	-2274	S - T	0	-2919
H - I	0	-2274	T - U	0	-2919
I - J	0	-2274	U - V	0	-2921
J - K	0	-2119	V - W	0	-2921
K - L	0	-2119	W - X	0	-2667
L - M	0	-2106	X - Y	0	-2667
M - N	0	-1452	Y - Z	0	-2667
N - O	0	-1452	Z -AA	0	-1785

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
BA-AZ	680	0	AO-AN	2126	0
AZ-AY	1477	0	AN-AM	2126	0
AY-AX	1477	0	AM-AL	2155	0
AX-AW	2020	0	AL-AK	2753	0
AW-AV	2020	0	AK-AJ	2753	0
AV-AT	2258	0	AJ-AI	2976	0
AT-AS	2121	0	AI-AH	2976	0
AS-AR	2119	0	AH-AG	2853	0
AR-AQ	2119	0	AG-AF	2368	0
AQ-AP	1746	0	AF-AE	1173	0
AP-AO	2100	0	AE-AD	1172	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
BA- B	838	0	P -AO	718	0
BA- C	0	-1079	AM- Q	0	-819
C - D	706	0	AL- R	1230	0
AZ- D	0	-662	AL- S	0	-598



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

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

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

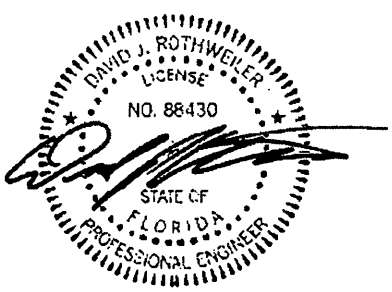
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

D -AX	502	0	W -AG	0	-415
AX- F	0	-404	AG- Z	522	0
AT- J	426	-69	Z -AF	0	-979
L -AQ	0	-408	AF-AA	1029	0
AQ- M	790	0	AA-AD	0	-1853
M -AP	0	-671	AB-AD	1422	-1
AP- P	0	-1505			



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

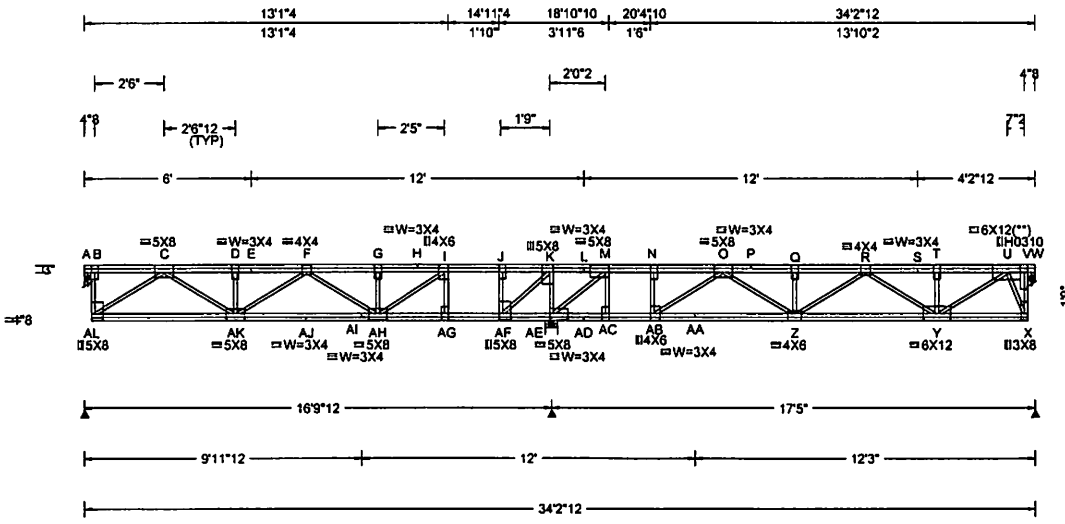
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75860 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** B04	Cust: R 9419 JRef:1XUU94190010 T29 DrwNo: 321.23.0952.10890 / DJR 11/17/2023



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria				▲ Maximum Reactions (lbs)					
TCLL:	30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in	loc	L/defl	L/#		Gravity		Non-Gravity		
TCDL:	18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL):	0.143 O	999	640	Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL):	0.273 O	757	480	A	715 /-	/-	/-	/-	/-
BCDL:	10.00	Category: NA	Snow Duration: NA	HORZ(LL):	-0.016 U	-	-	AE	1315 /-	/-	/-	/-	/-
Des Ld:	58.00	EXP: NA Kzt: NA		HORZ(TL):	0.030 U	-	-	V	1307 /-	/-	/-	/-	/-
NCBCLL:	10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0				A	Brg Wid = 3.0	Min Req = 1.5 (Truss)			
Soffit:	0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI:	0.428			AE	Brg Wid = 5.5	Min Req = 1.5 (Truss)			
Load Duration:	1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI:	0.398			V	Brg Wid = 3.0	Min Req = 1.5 (Truss)			
Spacing:	16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI:	0.447			Bearings A, AE, & V are a rigid surface.					
		C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)					Members not listed have forces less than 375#					
		Loc. from endwall: NA	Plate Type(s):					**Maximum Top Chord Forces Per Ply (lbs)**					
		I: NA GCpi: NA	WAVE, HS	VIEW Ver: 22.02.00.0914.21				Chords	Tens.	Comp.	Chords	Tens.	Comp.
		Wind Duration: NA						C - D	0	-1542	L - M	0	-522
								D - E	0	-1542	M - N	0	-1531
								E - F	0	-1542	N - O	0	-1541
								F - G	0	-1854	O - P	0	-2482
								G - H	0	-1854	P - Q	0	-2482
								H - I	0	-1854	Q - R	0	-2482
								I - J	0	-1332	R - S	0	-1893
								J - K	0	-1316	S - T	0	-1893
								K - L	0	-522	T - U	0	-1893

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	64 plf at	0.00 to	64 plf at	28.52
TC: From	184 plf at	28.52 to	184 plf at	34.23
BC: From	13 plf at	0.25 to	13 plf at	33.98

Plating Notes

All plates are 3X6 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

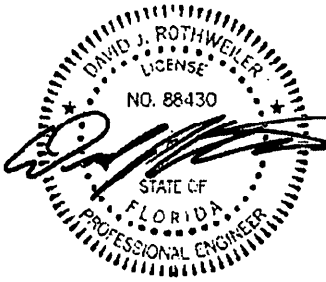
30 psf Live Load for habitable attics and sleeping areas only.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AL-AK	958	0	AE-AD	1518	0
AK-AJ	1811	0	AD-AC	1518	0
AJ-AI	1811	0	AC-AB	1531	0
AI-AH	1811	0	AB-AA	2234	0
AH-AG	1341	0	AA- Z	2234	0
AG-AF	1332	0	Z - Y	2396	0
AF-AE	564	0	Y - X	584	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AL- B	679	0	M -AC	384	0
AL- C	0	-1170	AB- O	0	-892
C -AK	707	0	R - Y	0	-618
AH- I	673	0	T - Y	0	-510
J -AF	0	-450	Y - U	1586	0
AF- K	1092	0	U - X	0	-1633
K -AE	0	-697	V - X	1535	0
AE- M	0	-1407			



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

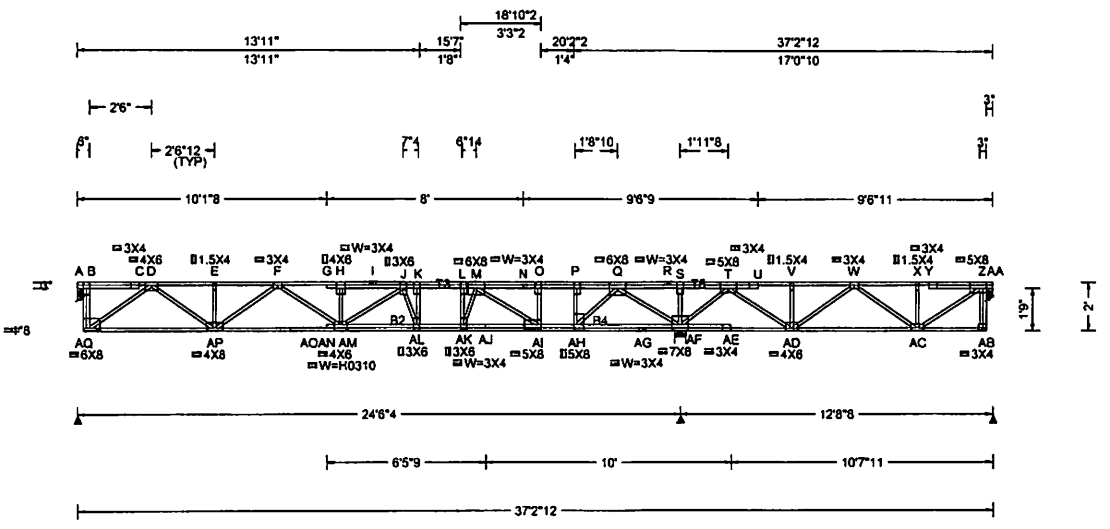
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75861 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T22
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0952.17177
		Truss Label: B05	/ DJR 11/17/2023



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.261 J 999 640
BCLL:	0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.498 J 587 480
BCDL:	10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.036 AQ - -
Des Ld:	58.00	EXP: NA Kzt: NA		HORZ(TL): 0.069 AQ - -
NCBCLL:	10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit:	0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.596
Load Duration:	1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.714
Spacing:	16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.394
		C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
		Loc. from endwall: NA	Plate Type(s):	
		I: NA GCpi: NA	WAVE, HS	VIEW Ver: 22.02.00.0914.21
		Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E; T3, T5 4x2 SPF #1/#2;
Bot chord: 4x2 SP 2400f-2.0E; B2, B4 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

Plating Notes

All plates are 3X6 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.26" DL: 0.31". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
A	890	/-	/-	/-	/-	/-
AF	1650	/-	/-	/-	/-	/-
Z	404	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AF Brg Wid = 5.5 Min Req = 1.5 (Truss)
Z Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AF, & Z are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

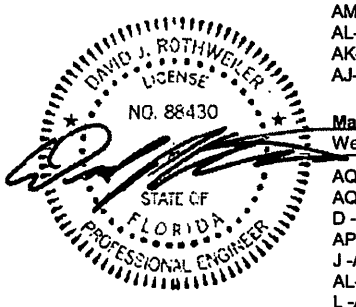
Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1967	P - Q	0	-1411
E - F	0	-1967	Q - R	984	0
F - H	0	-2712	R - S	984	0
H - I	0	-2712	S - T	984	0
I - J	0	-2712	T - U	139	-391
J - K	0	-2647	U - V	139	-387
K - L	0	-2634	V - W	139	-387
L - M	0	-2624	W - X	0	-477
M - N	0	-1448	X - Y	0	-462
N - O	0	-1448	Y - Z	0	-477
O - P	0	-1435			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AQ-AP	1186	0	AI-AH	1435	0
AP-AN	2449	0	AH-AG	467	0
AN-AM	2713	0	AG-AF	467	0
AM-AL	2775	0	AF-AE	0	-519
AL-AK	2634	0	AE-AD	0	-519
AK-AJ	2471	0	AD-AC	539	0
AJ-AI	2471	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AQ- B	1056	-223	AI- O	397	0
AQ- D	0	-1428	P -AH	0	-688
D -AP	968	0	AH- Q	1397	0
AP- F	0	-597	Q -AF	0	-1584
J -AL	0	-565	AF- T	0	-771
AL- K	460	0	T -AD	700	0
L -AK	0	-415	AD- Z	527	0
AK- N	703	0	Z -AB	423	-414
M -AI	0	-1300			



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

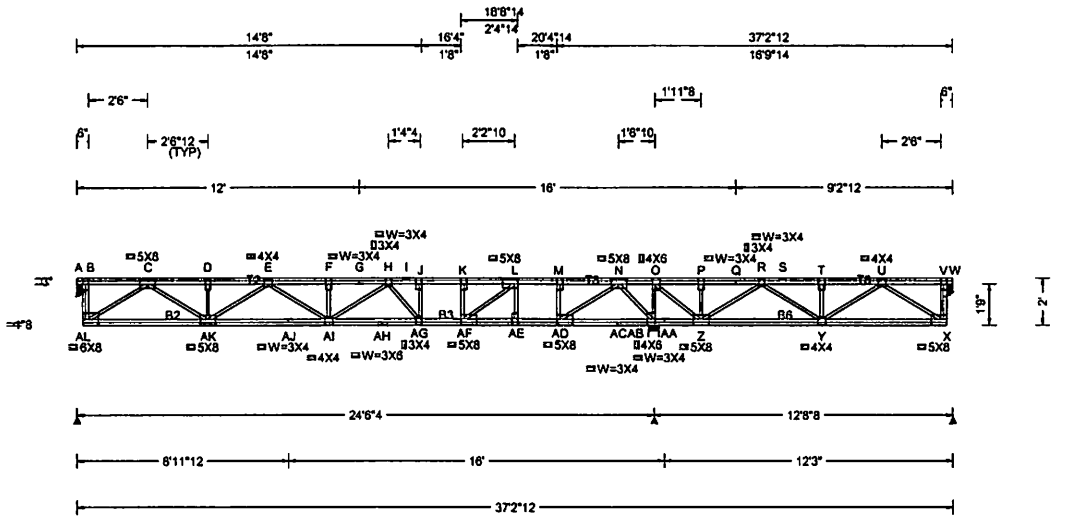
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75862 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** B06	Cust: R 9419 JRef: 1XUU94190010 T32 DrwNo: 321.23.0952.21663 / DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.246 AG 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.474 AG 616 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.031 AL - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.060 AL - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.717
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.770
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.197
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E; T2,T3, T5 4x2 SPF #1/#2;
Bot chord: 4x2 SP 2400f-2.0E; B2,B3, B6 4x2 SPF #1/#2;
Webs: 4x2 SP 2400f-2.0E;

Plating Notes

All plates are 3X6 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.25" DL: 0.30". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	912	/-	/-	/-	/-	/-
AB	1569	/-	/-	/-	/-	/-
V	437	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AB Brg Wid = 5.5 Min Req = 1.5 (Truss)
V Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AB, & V are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

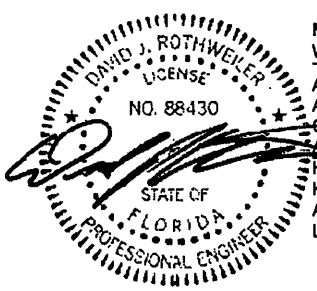
Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-2179	K - L	0	-2707
D - E	0	-2179	L - M	0	-1636
E - F	0	-3013	M - N	0	-1614
F - G	0	-3013	N - O	659	0
G - H	0	-3013	R - S	0	-707
H - I	0	-2732	S - T	0	-707
I - J	0	-2732	T - U	0	-707
J - K	0	-2725			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AL-AK	1313	0	AF-AE	1652	0
AK-AJ	2723	0	AE-AD	1636	0
AJ-AI	2723	0	AB-AA	0	-609
AI-AH	2952	0	AA- Z	0	-609
AH-AG	2952	0	Z - Y	548	0
AG-AF	2725	0	Y - X	529	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AL- B	1217	-370	M -AD	0	-603
AL- C	0	-1529	AD- N	1728	0
C -AK	1048	0	N -AB	0	-1192
AK- E	0	-659	AB- O	0	-699
H -AG	0	-479	O - Z	756	0
K -AF	0	-536	Z - R	0	-557
AF- L	1410	0	U - X	0	-604
L -AE	0	-471	V - X	586	-235



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

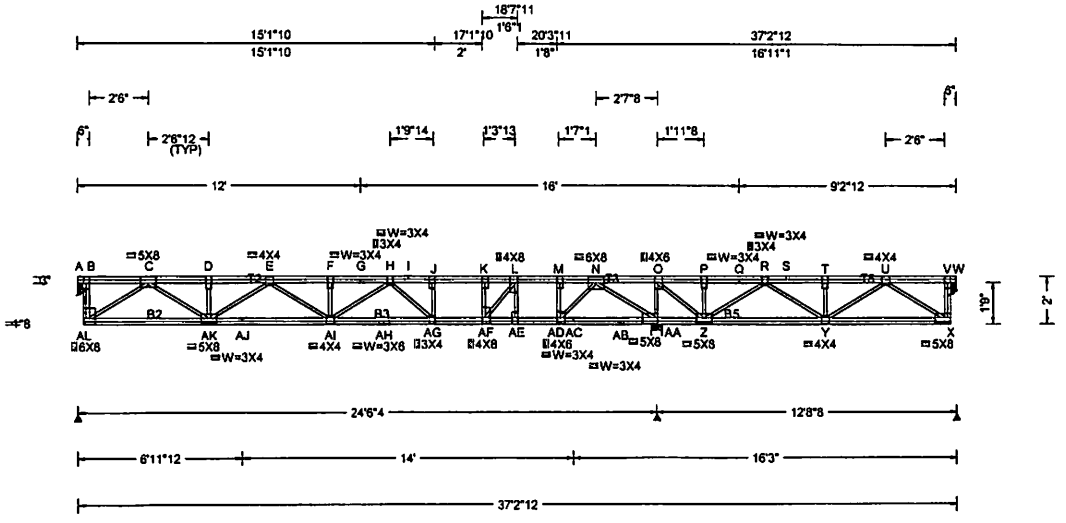
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75863 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** B07	Cust: R 9419 JRef: 1XUU94190010 T34 DrwNo: 321.23.0952.24770 / DJR 11/17/2023



Loading Criteria (psf)

TCLL:	30.00
TCDL:	18.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	58.00
NCBCLL:	10.00
Soffit:	0.00

Load Duration: 1.00
Spacing: 16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.260 AG	999	640
VERT(CL):	0.497 AG	587	480
HORZ(LL):	-0.033 AL	-	-
HORZ(TL):	0.063 AL	-	-

Creep Factor: 2.0
Max TC CSI: 0.740
Max BC CSI: 0.734
Max Web CSI: 0.200

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

Loc	R+	Gravity / R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
A	919	/-	/-	/-	/-	/-
AA	1547	/-	/-	/-	/-	/-
V	447	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AA Brg Wid = 5.5 Min Req = 1.5 (Truss)
V Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AA, & V are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-2199	K - L	0	-2653
D - E	0	-2199	L - M	0	-1736
E - F	0	-3061	M - N	0	-1713
F - G	0	-3061	N - O	570	0
G - H	0	-3061	R - S	0	-740
H - I	0	-2686	S - T	0	-740
I - J	0	-2686	T - U	0	-740
J - K	0	-2679			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AL-AK	1324	0	AE-AD	1736	0
AK-AJ	2759	0	AD-AC	847	0
AJ-AI	2759	0	AC-AB	847	0
AI-AH	3008	0	AB-AA	847	0
AH-AG	3008	0	AA- Z	0	-521
AG-AF	2679	0	Z - Y	598	0
AF-AE	1757	0	Y - X	547	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AL- B	1227	-372	M -AD	0	-656
AL- C	0	-1542	AD- N	1335	0
C -AK	1059	0	N -AA	0	-1551
AK- E	0	-678	AA- O	0	-690
H -AG	0	-540	O - Z	709	0
K -AF	0	-752	Z - R	0	-544
AF- L	1592	0	U - X	0	-625
L -AE	0	-622	V - X	600	-238

Lumber

Top chord: 4x2 SP 2400f-2.0E; T2,T3, T5 4x2 SPF #1/#2;
Bot chord: 4x2 SP 2400f-2.0E; B2,B3, B5 4x2 SPF #1/#2;
Webs: 4x2 SP 2400f-2.0E;

Plating Notes

All plates are 3X6 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.26" DL: 0.32". See detail DEFLCAMB1014 for camber recommendations.

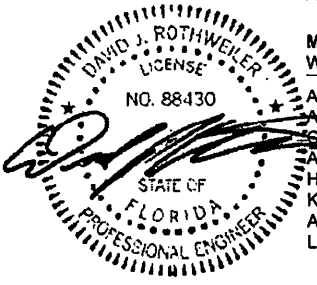
Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

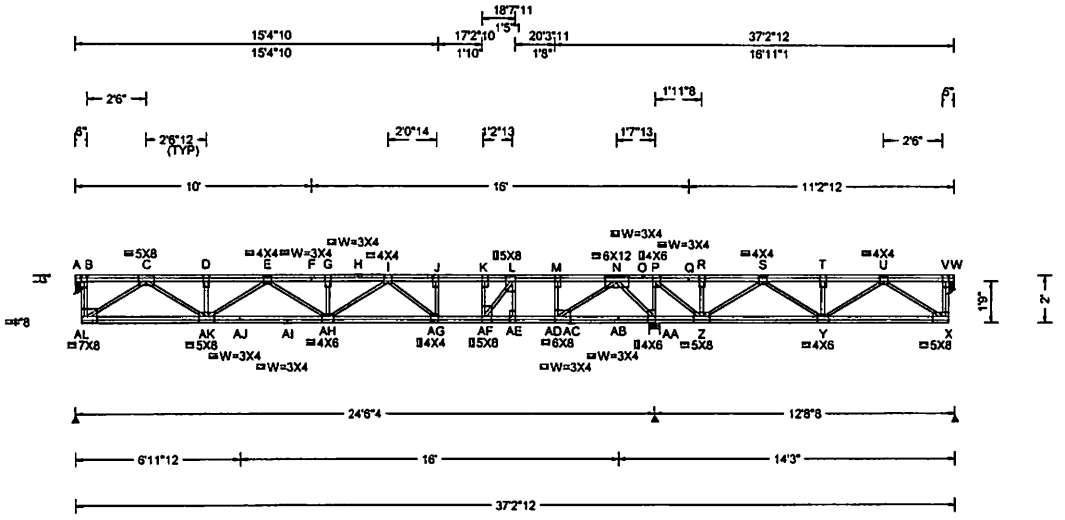


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 75864 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T33
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0952.33607
		Truss Label: B08	/ DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.257 AG 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.493 AG 591 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.028 AL - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.055 AL - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.441
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.463
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.460
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Plating Notes

All plates are 3X6 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.26" DL: 0.31". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

Loc	R+	/ R-	/ Rh	Gravity / Rw	/ U	Non-Gravity / RL
A	925	/-	/-	/-	/-	/-
AA	1530	/-	/-	/-	/-	/-
V	455	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AA Brg Wid = 5.5 Min Req = 1.5 (Truss)
V Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AA, & V are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-2213	K - L	0	-2675
D - E	0	-2213	L - M	0	-1787
E - F	0	-3092	M - N	0	-1767
F - G	0	-3092	N - O	480	0
G - H	0	-3092	O - P	480	0
H - I	0	-3092	S - T	0	-759
I - J	0	-2707	T - U	0	-759
J - K	0	-2701			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AL-AK	1334	0	AE-AD	1787	0
AK-AJ	2784	0	AD-AC	443	0
AJ-AI	2784	0	AC-AB	443	0
AI-AH	2784	0	AB-AA	443	0
AH-AG	3053	0	AA- Z	0	-435
AG-AF	2701	0	Z - Y	630	0
AF-AE	1810	0	Y - X	559	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AL- B	1111	-238	M -AD	0	-576
AL- C	0	-1573	AD- N	1631	0
C -AK	1065	0	N -AA	0	-1190
AK- E	0	-692	AA- P	0	-656
I -AG	0	-546	P - Z	688	0
K -AF	0	-762	Z - S	0	-522
AF- L	1614	0	U - X	0	-650
L -AE	0	-671	V - X	539	-162

DAVID J. ROTHWEILER LICENSE NO. 88430 STATE OF FLORIDA PROFESSIONAL ENGINEER

11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

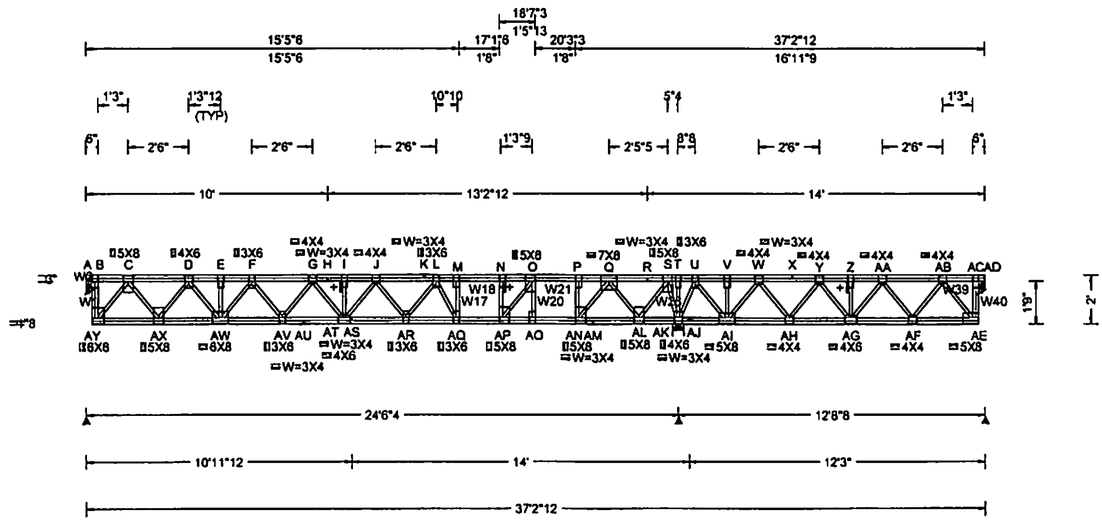
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75865 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T5
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0952.45427
Page 1 of 2		Truss Label: B09	/ DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.257 L 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.497 L 589 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.032 AY - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.063 AY - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.634
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.609
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.504
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1073	/-	/-	/-	/-	/-
AK	1682	/-	/-	/-	/-	/-
AC	434	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AK Brg Wid = 5.5 Min Req = 1.5 (Truss)
AC Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AK, & AC are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-1558	N - O	0	-2928
D - E	0	-2657	O - P	0	-1873
E - F	0	-2657	P - Q	0	-1846
F - G	0	-3397	S - T	606	0
G - H	0	-3706	T - U	606	0
H - I	0	-3706	W - X	0	-515
I - J	0	-3706	X - Y	0	-515
J - K	0	-3551	Y - Z	0	-664
K - L	0	-3551	Z - AA	0	-664
L - M	0	-2973	AA - AB	0	-503
M - N	0	-2957			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AY-AX	945	0	AP-AO	1899	0
AX-AW	2144	0	AO-AN	1873	0
AW-AV	3123	0	AN-AM	953	0
AV-AU	3643	0	AM-AL	953	0
AU-AT	3643	0	AL-AK	0	-402
AT-AS	3687	0	AK-AJ	0	-455
AS-AR	3687	0	AJ-AI	0	-455
AR-AQ	3310	0	AH-AG	640	0
AQ-AP	2957	0	AG-AF	633	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AY- B	1249	-115	AP- O	1785	0
AY- C	0	-1472	O -AO	0	-733
C -AX	1055	0	P -AN	0	-751
AX- D	0	-1009	AN- Q	1536	0
D -AW	854	0	Q -AL	0	-1315
[illegible]			AL- S	1044	0
F -AV	472	0	S -AK	0	-856

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2; W1,W2,W17,W18,W20,W21,W26, W39,W40 4x2 SP 2400f-2.0E;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	64 plf at	0.00 to	64 plf at	6.56
TC: From	117 plf at	6.56 to	117 plf at	11.76
TC: From	64 plf at	11.76 to	64 plf at	37.23
BC: From	13 plf at	0.25 to	13 plf at	36.98

Plating Notes

All plates are 3X6 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.26" DL: 0.26". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

DAVID J. ROTHWEILER LICENSE NO. 88430 STATE OF FLORIDA PROFESSIONAL ENGINEER

11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

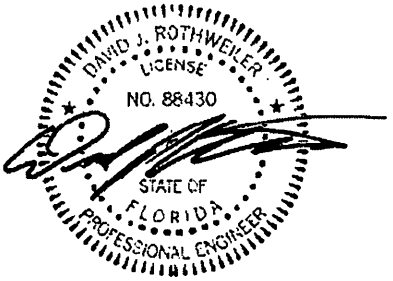
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

AV- G	0	-424	AK- U	0	-448
AR- L	465	0	U -AI	546	0
L -AQ	0	-861	AI- W	0	-493
AQ- M	482	0	AB-AE	0	-537
N -AP	0	-812	AC-AE	478	-54



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

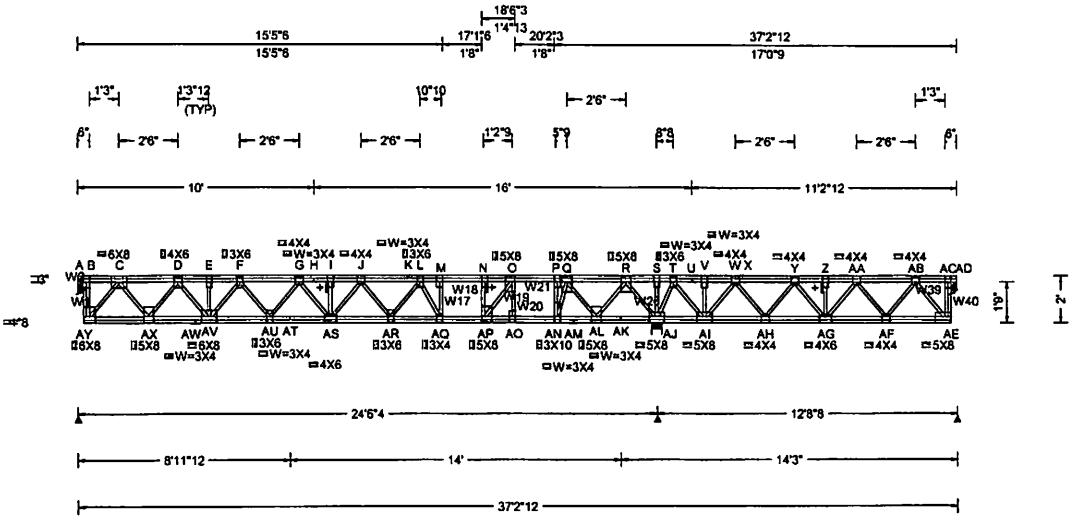
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75866 SY42 FROM: Page 1 of 2	Ply: 1 Qty: 2	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** B10	Cust: R 9419 JRef: 1XUU94190010 T35 DrwNo: 321.23.0952.53580 / DJR 11/17/2023



Loading Criteria (psf)
TCLL: 30.00
TCDL: 18.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 58.00
NCBCLL: 10.00
Soffit: 0.00
Load Duration: 1.00
Spacing: 16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: Varies by Ld Case
FT/RT/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.231	L	999	640
VERT(CL): 0.489	L	599	480
HORZ(LL): -0.029	AY	-	-
HORZ(TL): 0.062	AY	-	-

Creep Factor: 2.0
Max TC CSI: 0.640
Max BC CSI: 0.668
Max Web CSI: 0.452

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1292	/-	/-	/-	/-	/-
AJ	1751	/-	/-	/-	/-	/-
AC	430	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AJ Brg Wid = 5.5 Min Req = 1.5 (Truss)
AC Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AJ, & AC are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-1703	N - O	0	-2965
D - E	0	-2751	O - P	0	-1926
E - F	0	-2751	P - Q	0	-1892
F - G	0	-3374	Q - R	0	-672
G - H	0	-3637	R - S	757	0
H - I	0	-3637	S - T	757	0
I - J	0	-3637	W - X	0	-496
J - K	0	-3521	X - Y	0	-496
K - L	0	-3521	Y - Z	0	-652
L - M	0	-3010	Z -AA	0	-652
M - N	0	-2996	AA-AB	0	-497

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AY-AX	1091	0	AQ-AP	2996	0
AX-AW	2289	0	AP-AO	1955	0
AW-AV	2289	0	AO-AN	1926	0
AV-AU	3144	0	AN-AM	1534	0
AU-AT	3575	0	AM-AL	1534	0
AT-AS	3575	0	AJ-AI	0	-582
AS-AR	3634	0	AH-AG	624	0
AR-AQ	3313	0	AG-AF	624	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AY- B	1467	-164	O -AO	0	-812
AY- C	0	-1694	P -AN	0	-956
C -AX	1053	0	AN- Q	1601	0
AX- D	0	-1009	Q -AL	0	-1483
D -AV	769	0	AL- R	1196	0
AV- F	0	-655	R -AJ	0	-1224
F -AU	395	0	AJ- T	0	-477
AR-	25	0	T -AI	577	0

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2: W1,W2,W17,W18,W19,W20,W21, W26,W39,W40 4x2 SP 2400f-2.0E;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	91 plf at	0.00 to	91 plf at	0.01
TC: From	144 plf at	0.01 to	144 plf at	2.76
TC: From	91 plf at	2.76 to	91 plf at	11.79
TC: From	64 plf at	11.79 to	64 plf at	17.04
TC: From	117 plf at	17.04 to	117 plf at	18.66
TC: From	64 plf at	18.66 to	64 plf at	37.23
BC: From	13 plf at	0.25 to	13 plf at	36.98

Plating Notes

All plates are 3X6 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.23" DL: 0.27". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

DAVID J. ROTHWEILER LICENSE NO. 88430 STATE OF FLORIDA PROFESSIONAL ENGINEER

11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 75866 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T35
FROM:	Qty: 2	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0952.53580
Page 2 of 2		Truss Label: B10	/ DJR 11/17/2023

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

L -AQ	0	-802	AI- W	0	-515
AQ- M	446	0	AB-AE	0	-531
N -AP	0	-861	AC-AE	473	-53
AP- O	1839	0			

DAVID J. ROTHWEILER LICENSE NO. 88430 STATE OF FLORIDA PROFESSIONAL ENGINEER

11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

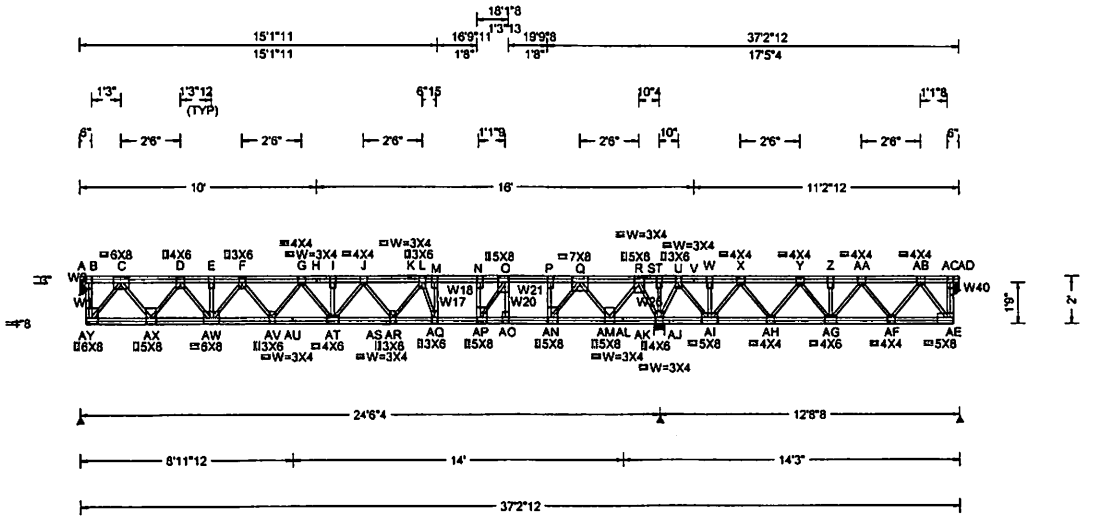
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75867 SY42 FROM: Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** B11	Cust: R 9419 JRef:1XUU94190010 T36 DrwNo: 321.23.0952.59463 / DJR 11/17/2023



Loading Criteria (psf)	
TCLL:	30.00
TCDL:	18.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	58.00
NCBCLL:	10.00
Soffit:	0.00
Load Duration: 1.00	
Spacing: 16.0 "	

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: Varies by Ld Case
FT/RT/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.232	L	999	640
VERT(CL): 0.491	L	596	480
HORZ(LL): -0.029	AY	-	-
HORZ(TL): 0.062	AY	-	-

Creep Factor: 2.0
Max TC CSI: 0.637
Max BC CSI: 0.625
Max Web CSI: 0.494

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
A	1293 / -	/ -	/ -	/ -	/ -
AK	1748 / -	/ -	/ -	/ -	/ -
AC	430 / -	/ -	/ -	/ -	/ -

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AK Brg Wid = 5.5 Min Req = 1.5 (Truss)
AC Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AK, & AC are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-1705	N - O	0	-3039
D - E	0	-2754	O - P	0	-2098
E - F	0	-2754	P - Q	0	-2071
F - G	0	-3378	Q - R	0	-427
G - H	0	-3643	R - S	738	0
H - I	0	-3643	S - T	738	0
I - J	0	-3643	T - U	738	0
J - K	0	-3520	X - Y	0	-511
K - L	0	-3520	Y - Z	0	-652
L - M	0	-3085	Z -AA	0	-652
M - N	0	-3069	AA-AB	0	-482

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AY-AX	1092	0	AQ-AP	3069	0
AX-AW	2292	0	AP-AO	2126	0
AW-AV	3148	0	AO-AN	2098	0
AV-AU	3581	0	AN-AM	1169	0
AU-AT	3581	0	AK-AJ	0	-532
AT-AS	3644	0	AJ-AI	0	-532
AS-AR	3644	0	AH-AG	632	0
AR-AQ	3293	0	AG-AF	617	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AY- B	1469	-164	O -AO	0	-782
AY- C	0	-1696	P -AN	0	-763
C -AX	1054	0	AN- Q	1552	0
AX- D	0	-1010	Q -AM	0	-1333
D -AW	770	0	AM- R	1119	0
AW- F	0	-656	R -AK	0	-1097
F -AV	497	0	AK- U	0	-493
AR- L	465	0	U -AI	566	0

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2; W1,W2,W17,W18,W20,W21,W26,
W40 4x2 SP 2400f-2.0E;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	91 plf at	0.00 to	91 plf at	0.01
TC: From	144 plf at	0.01 to	144 plf at	2.76
TC: From	91 plf at	2.76 to	91 plf at	11.79
TC: From	64 plf at	11.79 to	64 plf at	17.04
TC: From	117 plf at	17.04 to	117 plf at	18.66
TC: From	64 plf at	18.66 to	64 plf at	37.23
BC: From	13 plf at	0.25 to	13 plf at	36.98

Plating Notes

All plates are 3X6 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.23" DL: 0.27". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

DAVID J. ROTHWEILER LICENSE NO. 88430 STATE OF FLORIDA PROFESSIONAL ENGINEER

11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

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

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

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

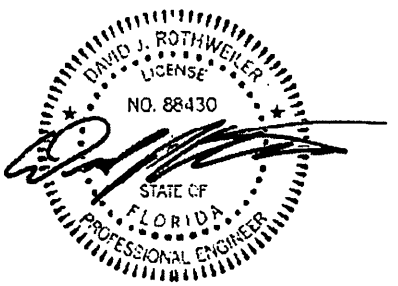
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 75867 SY42 FROM: Page 2 of 2	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** B11	Cust: R 9419 JRef: 1XUU94190010 T36 DrwNo: 321.23.0952.59463 / DJR 11/17/2023

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

L -AQ	0	-835	AI- X	0	-500
AQ- M	508	0	AB-AE	0	-529
N -AP	0	-827	AC-AE	465	-34
AP- O	1752	0			



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

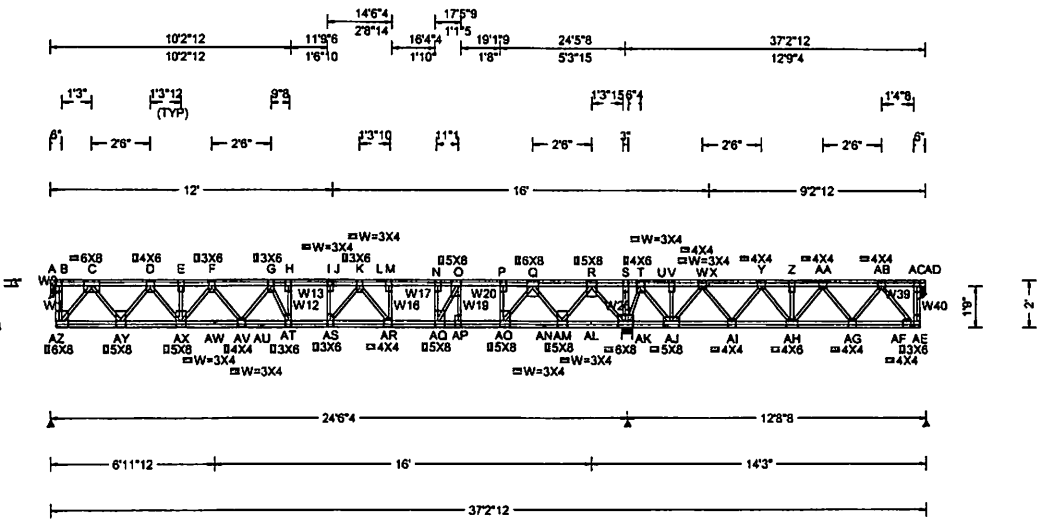
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75868 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T37
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0953.11970
Page 1 of 2		Truss Label: B12	/ DJR 11/17/2023



Loading Criteria (psf)
TCLL: 30.00
TCDL: 18.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 58.00
NCBCLL: 10.00
Soffit: 0.00
Load Duration: 1.00
Spacing: 16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: Varies by Ld Case
FT/RT/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.232 AR 999 640
VERT(CL): 0.490 AR 596 480
HORZ(LL): -0.029 AZ - -
HORZ(TL): 0.062 AZ - -
Creep Factor: 2.0
Max TC CSI: 0.581
Max BC CSI: 0.586
Max Web CSI: 0.503

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1281	/-	/-	/-	/-	/-
AK	1773	/-	/-	/-	/-	/-
AC	417	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AK Brg Wid = 5.5 Min Req = 1.5 (Truss)
AC Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AK, & AC are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-1686	P - Q	0	-2206
D - E	0	-2718	Q - R	0	-617
E - F	0	-2718	R - S	905	0
F - G	0	-3324	S - T	905	0
G - H	0	-3566	T - U	420	0
H - I	0	-3570	U - V	420	0
I - J	0	-3568	V - W	420	0
J - K	0	-3568	W - X	89	-432
K - L	0	-3089	X - Y	89	-432
L - M	0	-3089	Y - Z	0	-611
M - N	0	-3079	Z -AA	0	-611
N - O	0	-3048	AA-AB	0	-502
O - P	0	-2232			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AZ-AY	1081	0	AR-AQ	3079	0
AY-AX	2264	0	AQ-AP	2262	0
AX-AW	3103	0	AP-AO	2232	0
AW-AV	3103	0	AO-AN	1357	0
AV-AU	3521	0	AN-AM	1357	0
AU-AT	3521	0	AK-AJ	0	-740
AT-AS	3570	0	AI-AH	571	0
AS-AR	3432	0	AH-AG	614	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AZ- B	1455	-163	O -AP	0	-826
AZ- C	0	-1679	P -AO	0	-732
C -AY	1040	0	AO- Q	1461	0
AY- D	0	-996	Q -AM	0	-1274
D -AX	356	0	AM- R	1106	0
AX- F	0	-641	R -AK	0	-1308

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2; W1,W2,W12,W13,W16,W17,W19, W20,W26,W39,W40 4x2 SP 2400f-2.0E;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	91 plf at	0.00 to	91 plf at	0.01
TC: From	144 plf at	0.01 to	144 plf at	2.76
TC: From	91 plf at	2.76 to	91 plf at	11.79
TC: From	64 plf at	11.79 to	64 plf at	17.04
TC: From	117 plf at	17.04 to	117 plf at	18.66
TC: From	64 plf at	18.66 to	64 plf at	37.23
BC: From	13 plf at	0.25 to	13 plf at	36.98

Plating Notes

All plates are 3X6 except as noted.

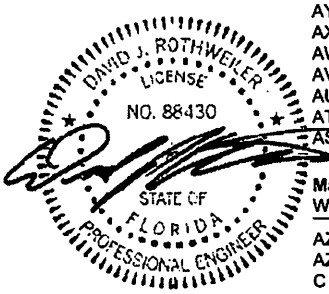
Deflection

Max JT VERT DEFL: LL: 0.23" DL: 0.27". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

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

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

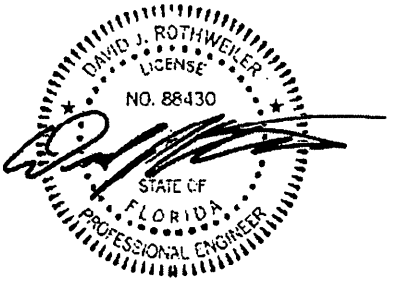
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

F -AV	381	0	AK- T	0	-486
AS- K	433	-76	T -AJ	612	0
K -AR	0	-630	AJ- W	0	-549
N -AQ	0	-880	AB-AF	0	-497
AQ- O	1784	0	AC-AE	576	-221

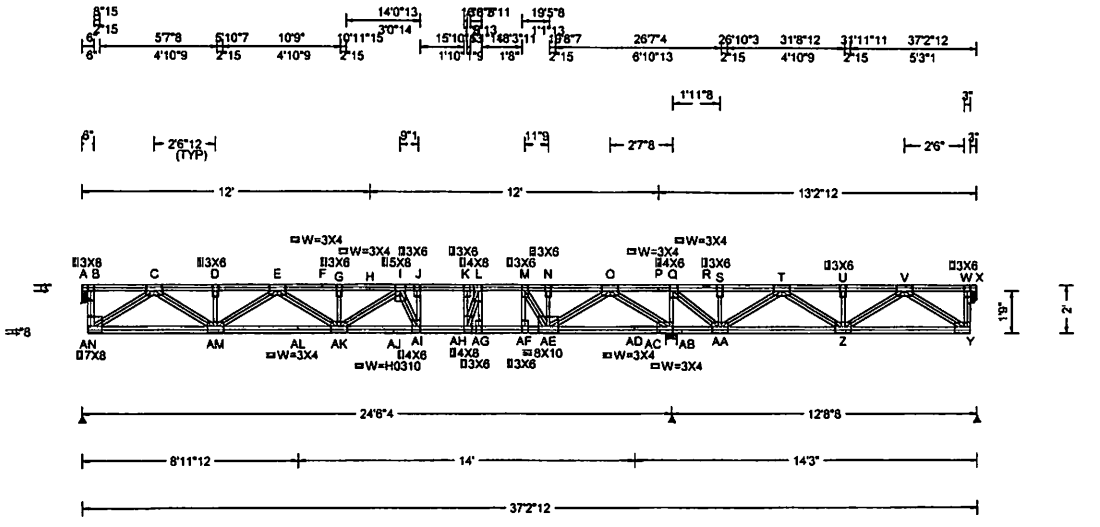


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 75869 SY42 FROM: Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** B13		Cust: R 9419 JRef: 1XUU94190010 T21 DrwNo: 321.23.0953.16750 / DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.229 AI 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.485 AI 601 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.032 AN - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.069 AN - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.588
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.717
Spacing: 20.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.197
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE, HS	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SP 2400f-2.0E;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	107 plf at	0.00 to	107 plf at	0.01
TC: From	160 plf at	0.01 to	160 plf at	2.76
TC: From	107 plf at	2.76 to	107 plf at	11.79
TC: From	80 plf at	11.79 to	80 plf at	17.04
TC: From	133 plf at	17.04 to	133 plf at	18.66
TC: From	80 plf at	18.66 to	80 plf at	37.23
BC: From	17 plf at	0.25 to	17 plf at	36.98

Plating Notes

All plates are 5X8 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.23" DL: 0.28". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
A	1579	/-	/-	/-	/-	/-
AC	2284	/-	/-	/-	/-	/-
W	514	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AC Brg Wid = 5.5 Min Req = 1.5 (Truss)
W Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AC, & W are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

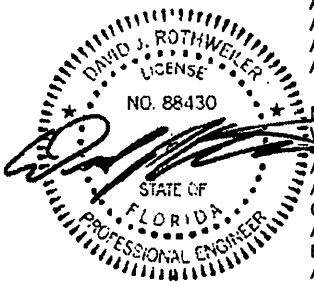
Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-3369	M - N	0	-2025
D - E	0	-3369	N - O	0	-2025
E - F	0	-4391	O - P	1443	0
F - G	0	-4391	P - Q	1443	0
G - H	0	-4391	Q - R	624	0
H - I	0	-4391	R - S	624	0
I - J	0	-3780	S - T	624	0
J - K	0	-3760	T - U	0	-788
K - L	0	-3711	U - V	0	-788
L - M	0	-2952			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AN-AM	2150	0	AF-AE	2927	0
AM-AL	4108	0	AE-AD	524	0
AL-AK	4108	0	AD-AC	524	0
AK-AJ	4077	0	AC-AB	0	-1380
AJ-AI	4077	0	AB-AA	0	-1380
AI-AH	3760	0	AA- Z	540	-210
AH-AG	2999	0	Z - Y	613	0
AG-AF	2952	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AN- B	1987	-611	AF- M	713	0
AN- C	0	-2502	M -AE	0	-1870
C -AM	1476	0	AE- O	1923	0
AM- E	0	-894	O -AC	0	-2294
E -AK	386	0	AC- Q	0	-878
AK- I	491	-36	Q -AA	1015	0
I -AI	0	-922	AA- T	0	-866
AI- K	894	0	T - Z	475	0
K -AH	0	-1449	V - Y	0	-706



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

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

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

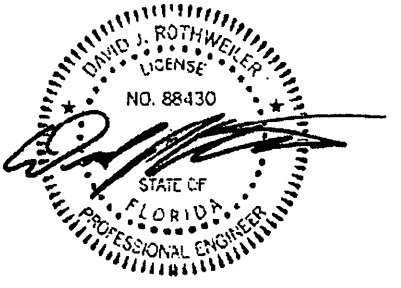
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

AH- L	2752	0	W - Y	639	-227	
L -AG	0	-1316				

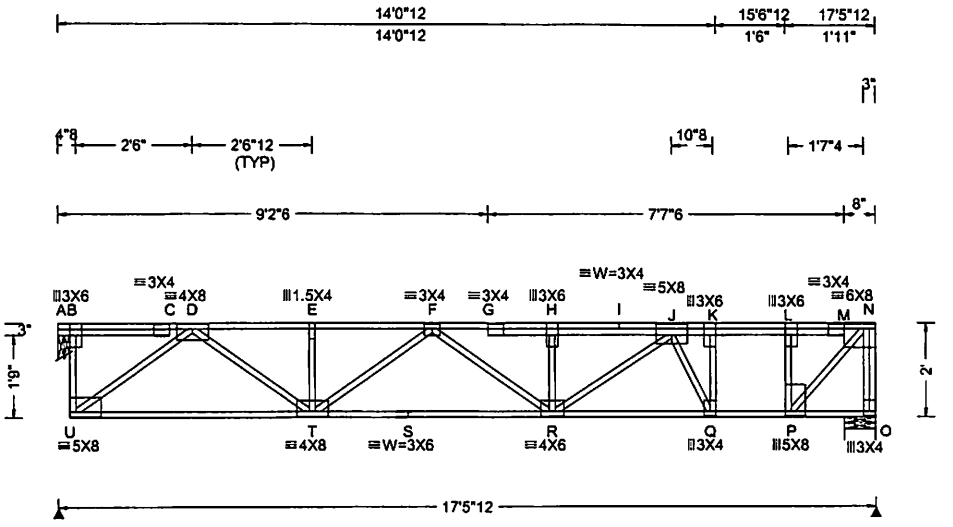


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 75870 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T52
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0953.18373
		Truss Label: B14	/ DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.190 H 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.367 H 559 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.029 U - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.055 U - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.635
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.530
Spacing: 24.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.479
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1002	/-	/-	/-	/-	/-
O	1021	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
O Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings A & O are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

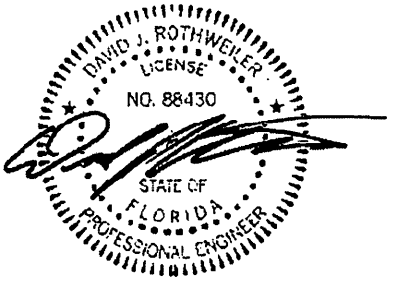
Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1982	I - J	0	-2260
E - F	0	-1982	J - K	0	-1144
F - G	0	-2260	K - L	0	-1110
G - H	0	-2265	L - M	0	-1094
H - I	0	-2260	M - N	0	-1076

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	1236	0	R - Q	1673	0
T - S	2256	0	Q - P	1110	0
S - R	2256	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - B	942	0	Q - K	1006	0
U - D	0	-1546	L - P	0	-984
D - T	924	0	P - N	1697	0
R - J	728	0	N - O	0	-1105
J - Q	0	-1305			



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

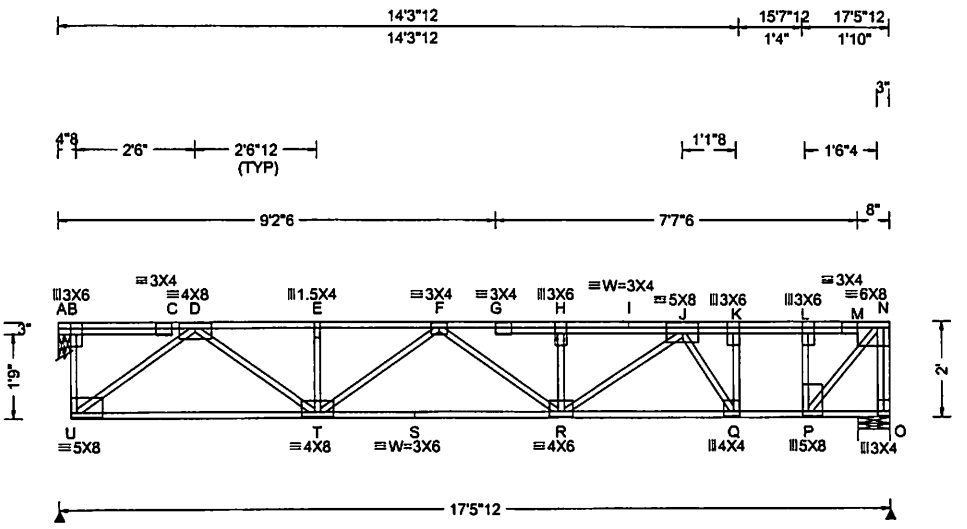
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75871 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** B15	Cust: R 9419 JRef: 1XUU94190010 T48 DrwNo: 321.23.0953.21940 / DJR 11/17/2023



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.174 H 999 640
BCLL:	0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.334 H 614 480
BCDL:	10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.026 U - -
Des Ld:	58.00	EXP: NA Kzt: NA		HORZ(TL): 0.050 U - -
NCBCLL:	10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit:	0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.580
Load Duration:	1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.500
Spacing:	24.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.469
		C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
		Loc. from endwall: NA	Plate Type(s):	
		I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
		Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1002	/-	/-	/-	/-	/-
O	1021	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
O Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings A & O are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

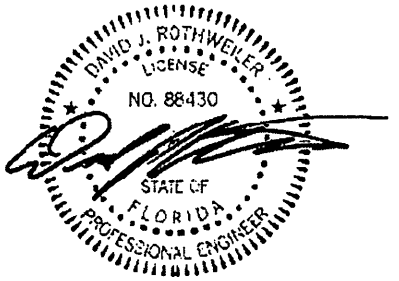
Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1982	I - J	0	-2257
E - F	0	-1982	J - K	0	-1082
F - G	0	-2257	K - L	0	-1052
G - H	0	-2262	L - M	0	-1037
H - I	0	-2257	M - N	0	-1018

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	1237	0	R - Q	1697	0
T - S	2257	0	Q - P	1052	0
S - R	2257	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - B	942	0	Q - K	879	0
U - D	0	-1546	L - P	0	-986
D - T	924	0	P - N	1662	0
R - J	694	0	N - O	0	-1105
J - Q	0	-1225			



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

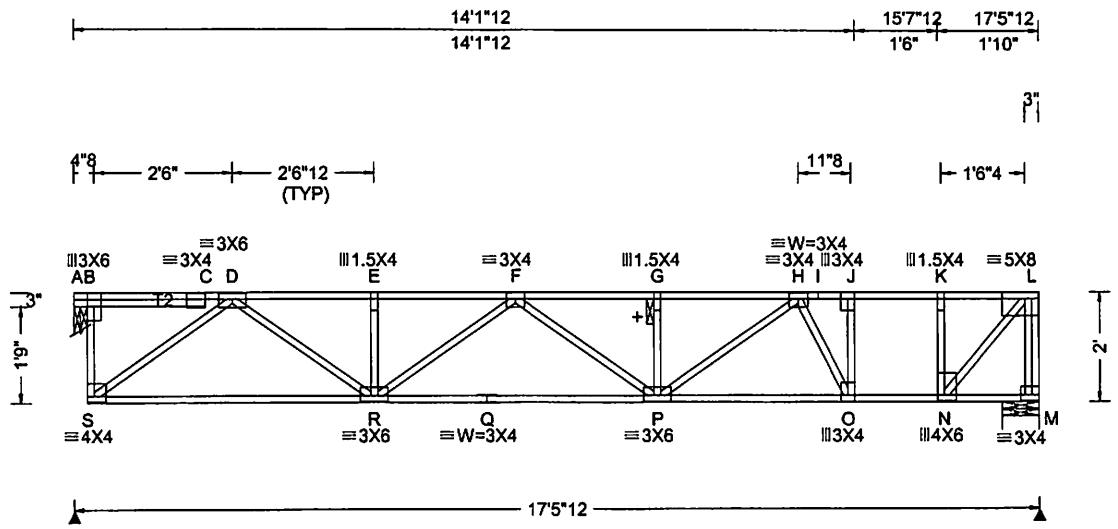
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75872 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T51
FROM:	Qty: 2	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0953.27617
		Truss Label: B16	/ DJR 11/17/2023



Loading Criteria (psf)

TCLL:	30.00
TCDL:	18.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	58.00
NCBCLL:	10.00
Soffit:	0.00
Load Duration:	1.00
Spacing:	16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.160	H	999	640
VERT(CL): 0.310	H	663	480
HORZ(LL): -0.024	S	-	-
HORZ(TL): 0.047	S	-	-

Creep Factor: 2.0
Max TC CSI: 0.652
Max BC CSI: 0.504
Max Web CSI: 0.317

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	668	/-	/-	/-	/-	/-
M	681	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
M Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings A & M 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.
D - E	0	-1318	H - I	0	-723
E - F	0	-1318	I - J	0	-723
F - G	0	-1471	J - K	0	-706
G - H	0	-1471	K - L	0	-687

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	825	0	P - O	1069	0
R - Q	1513	0	O - N	706	0
Q - P	1513	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - B	629	0	O - J	527	0
S - D	0	-1032	K - N	0	-556
D - R	611	0	N - L	1122	0
P - H	504	0	L - M	0	-787
H - O	0	-808			

Lumber

Top chord: 4x2 SP 2400f-2.0E; T2 4x2 SPF #1/#2;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

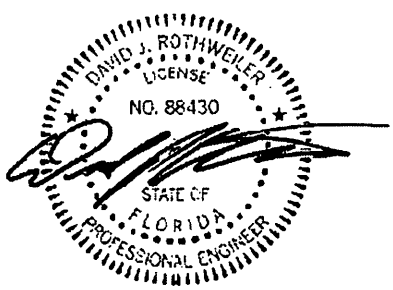
Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

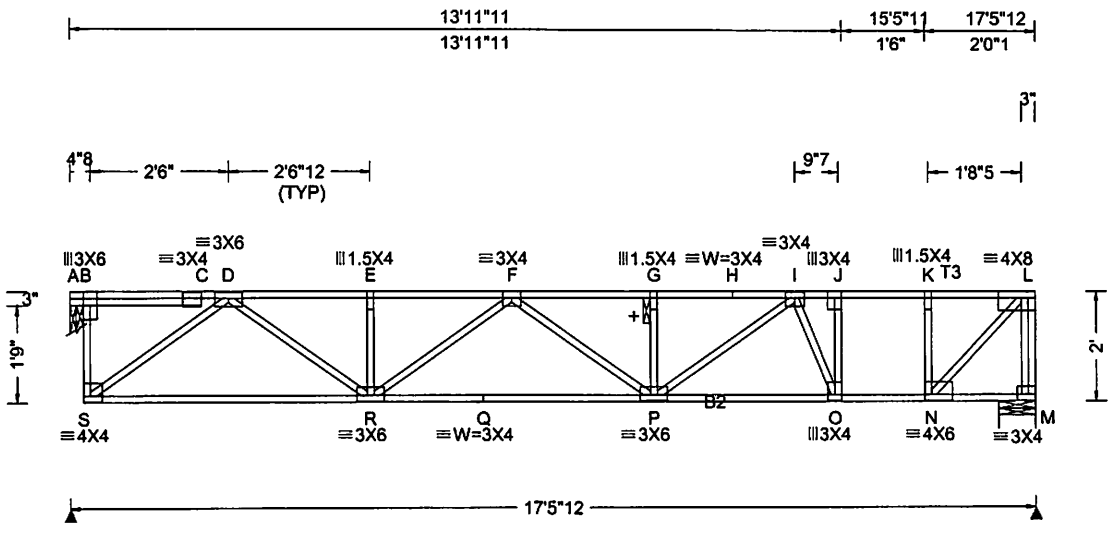
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75873 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T50
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0953.36310
		Truss Label: B17	/ DJR 11/17/2023



Loading Criteria (psf)

TCLL:	30.00
TCDL:	18.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	58.00
NCBCLL:	10.00
Soffit:	0.00

Load Duration: 1.00
Spacing: 16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.164	G	999	640
VERT(CL): 0.317	G	648	480
HORZ(LL): -0.027	S	-	-
HORZ(TL): 0.053	S	-	-

Creep Factor: 2.0
Max TC CSI: 0.624
Max BC CSI: 0.523
Max Web CSI: 0.313

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	668	/-	/-	/-	/-	/-
M	681	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
M Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings A & M 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.
D - E	0	-1320	H - I	0	-1472
E - F	0	-1320	I - J	0	-763
F - G	0	-1472	J - K	0	-744
G - H	0	-1472	K - L	0	-726

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	825	0	P - O	1061	0
R - Q	1513	0	O - N	744	0
Q - P	1513	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - B	629	0	O - J	580	0
S - D	0	-1032	K - N	0	-531
D - R	613	0	N - L	1109	0
P - I	516	0	L - M	0	-766
I - O	0	-837			

Lumber

Top chord: 4x2 SPF #1/#2; T3 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SPF #1/#2; B2 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

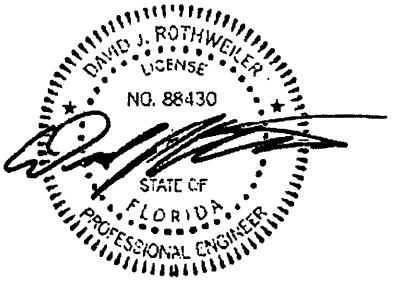
Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

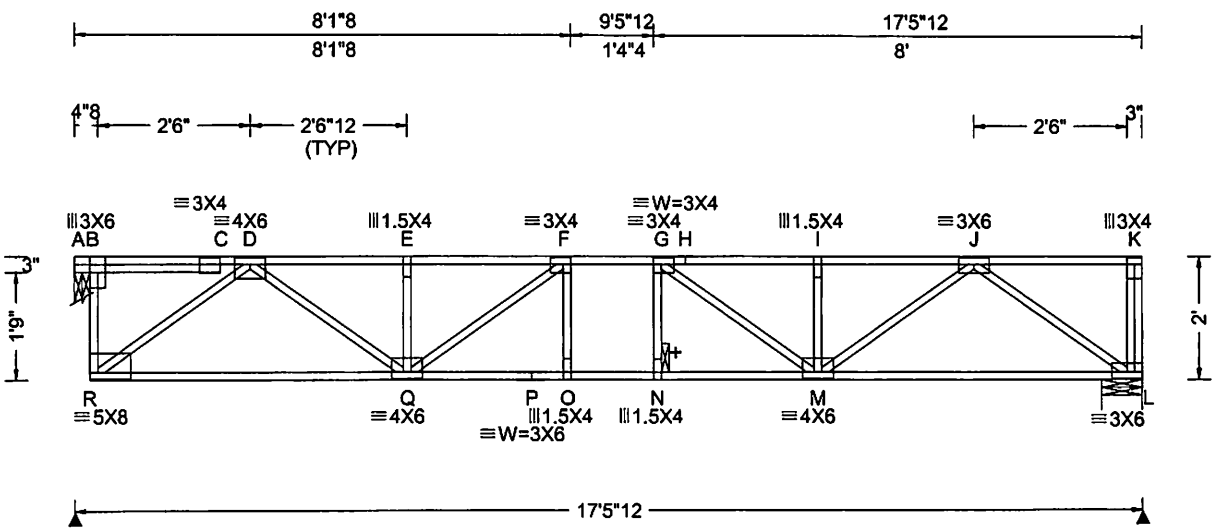
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75874 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** B18	Cust: R 9419 JRef: 1XUU94190010 T49 DrwNo: 321.23.0953.37967 / DJR 11/17/2023



Loading Criteria (psf)

TCLL:	30.00
TCDL:	18.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	58.00
NCBCLL:	10.00
Soffit:	0.00
Load Duration:	1.00
Spacing:	18.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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/PT:5(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.097 O	999	640
VERT(CL):	0.184 F	999	480
HORZ(LL):	-0.015 J	-	-
HORZ(TL):	0.032 R	-	-

Creep Factor: 2.0
Max TC CSI: 0.359
Max BC CSI: 0.628
Max Web CSI: 0.268

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
A	751 /-	/-	/-	/-	/-
L	766 /-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
L Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings A & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1488	G - H	0	-1448
E - F	0	-1488	H - I	0	-1448
F - G	0	-1692	I - J	0	-1448

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	928	0	O - N	1692	0
Q - P	1691	0	N - M	1691	0
P - O	1691	0	M - L	853	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - B	707	0	G - M	0	-387
R - D	0	-1161	M - J	738	0
D - Q	694	0	J - L	0	-1067

Lumber

Top chord: 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

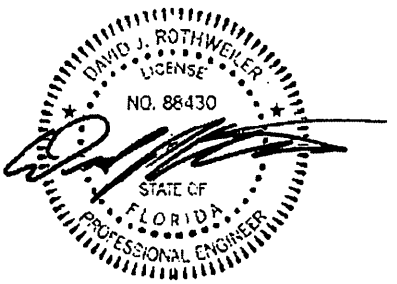
Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

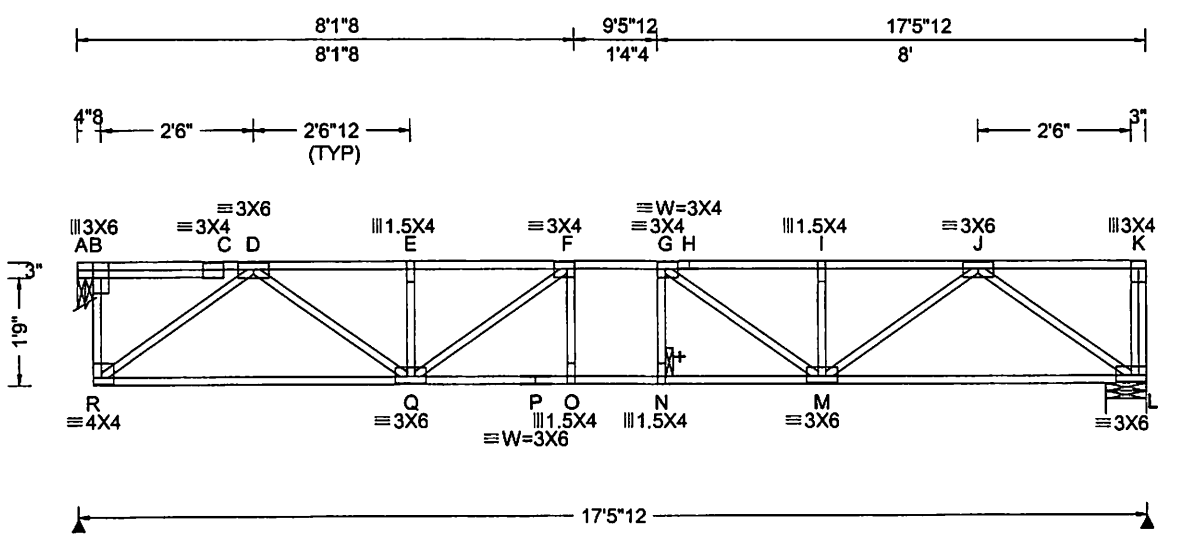
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75875 SY42 FROM:	Ply: 1 Qty: 10	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** B19	Cust: R 9419 JRef: 1XUU94190010 T2 DrwNo: 321.23.0953.40113 / DJR 11/17/2023



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.086 O 999 640
BCLL:	0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.164 F 999 480
BCDL:	10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.014 J - -
Des Ld:	58.00	EXP: NA Kzt: NA		HORZ(TL): 0.029 R - -
NCBCLL:	10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit:	0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.319
Load Duration:	1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.558
Spacing:	16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.238
		C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
		Loc. from endwall: NA	Plate Type(s):	
		I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
		Wind Duration: NA		

Lumber

Top chord: 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics and sleeping areas only.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	668	/-	/-	/-	/-	/-
L	681	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
L Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings A & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

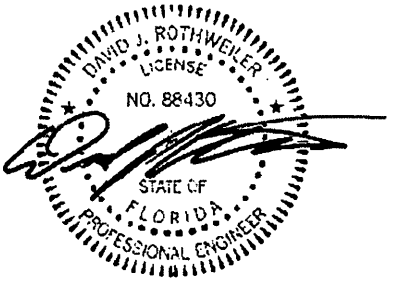
Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	0	-1323	G - H	0	-1287
E - F	0	-1323	H - I	0	-1287
F - G	0	-1504	I - J	0	-1287

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	825	0	O - N	1504	0
Q - P	1503	0	N - M	1503	0
P - O	1503	0	M - L	758	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - B	629	0	M - J	656	0
R - D	0	-1032	J - L	0	-949
D - Q	617	0			

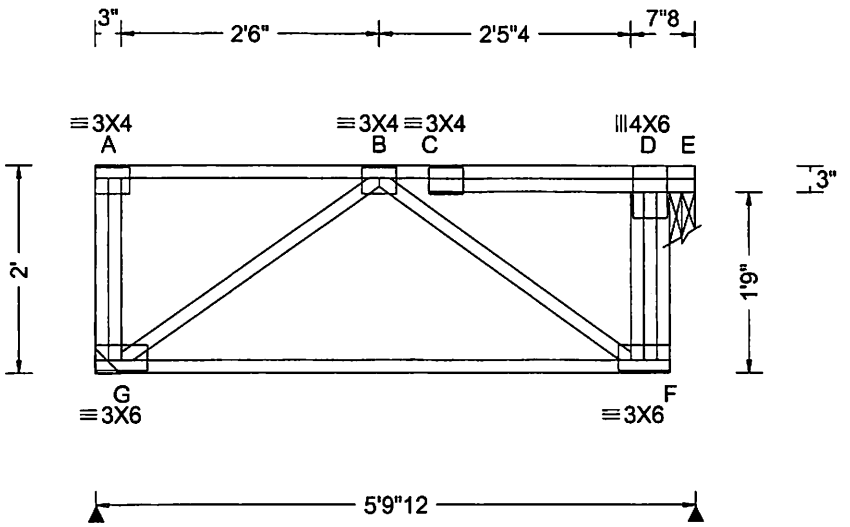


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc, shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 75876 SY42 FROM:	Ply: 1 Qty: 6	**Job Number:** KTQ23455-BLDG-VILLA-XL-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D **Truss Label:** B20	Cust: R 9419 JRef: 1XUU94190010 T8 DrwNo: 321.23.0953.43597 / DJR 11/17/2023



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.007 B 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.014 B 999 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.002 B - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.004 B - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.410
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.427
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.099
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	309	/-	/-	/-	/-	/-
E	292	/-	/-	/-	/-	/-

G Brg Wid = - Min Req = -
E Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearing E is a rigid surface.
Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
D - F	403	-259

Lumber

Top chord: 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	91 plf at	0.00 to	91 plf at	5.81
BC: From	13 plf at	0.00 to	13 plf at	5.56

Hangers / Ties

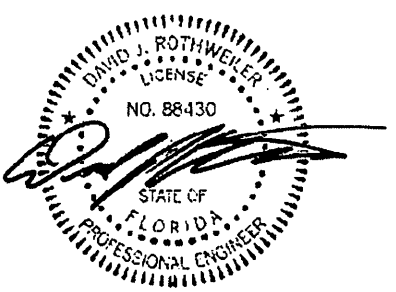
(J) Hanger Support Required, by others

Additional Notes

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics
and sleeping areas only.



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

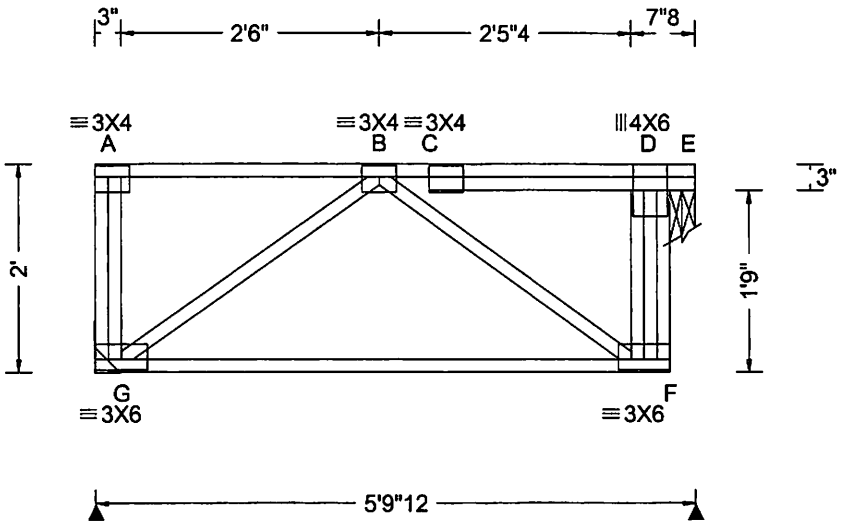
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 75877 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-XL-F2-REV-2	Cust: R 9419 JRef: 1XUU94190010 T13
FROM:	Qty: 6	Job Number:KTQ23455-BLDG-VILLA-XL-F2 Job Description:florida job-2nd Floor Fra D	DrwNo: 321.23.0949.28783
		Truss Label: B21	/ DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.009 B 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.017 B 999 480
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.002 D - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.005 D - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.594
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.427
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.103
	C&C Dist a: NA ft	FT/RT/PT:5(0)/3(0)/1(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	421	/-	/-	/-	/-	/-
E	319	/-	/-	/-	/-	/-

G Brg Wid = - Min Req = -
E Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearing E is a rigid surface.
Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
D - F	424	-241

Lumber

Top chord: 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	144 plf at	0.00 to	144 plf at	2.60
TC: From	91 plf at	2.60 to	91 plf at	5.81
BC: From	13 plf at	0.00 to	13 plf at	5.56

Hangers / Ties

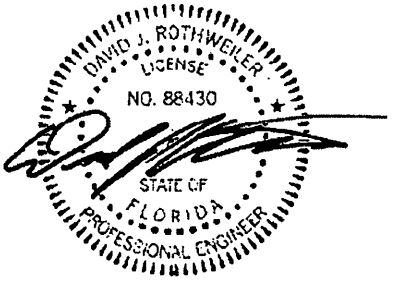
(J) Hanger Support Required, by others

Additional Notes

Truss must be installed as shown with top chord up.

Live Load

30 psf Live Load for habitable attics
and sleeping areas only.



11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

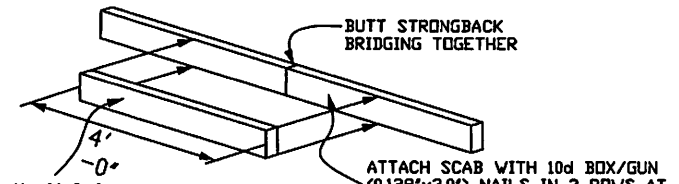
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

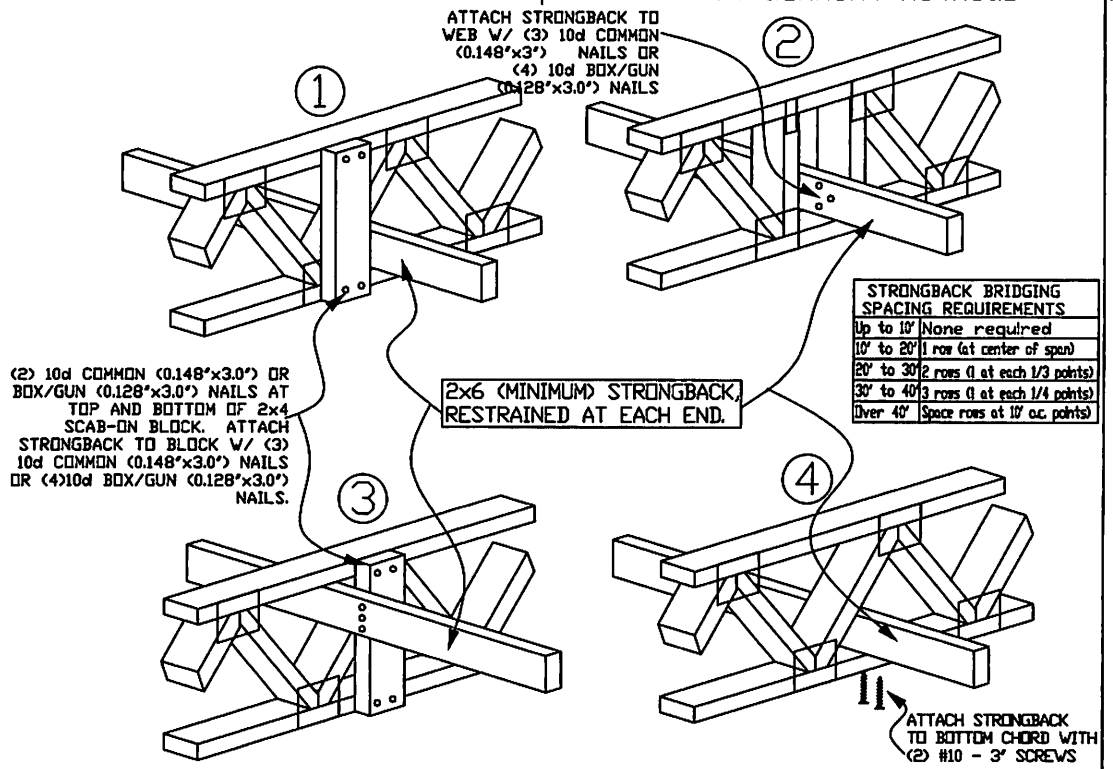
STRONGBACK BRIDGING RECOMMENDATIONS



NOTE: IN LIEU OF SPLICING AS SHOWN, LAP STRONGBACK BRIDGING MEMBERS FOR AT LEAST ONE TRUSS SPACING

STRONGBACK BRIDGING SPLICE DETAIL

NOTE: Details 1 and 2 are the preferred attachment methods



STRONGBACK BRIDGING SPACING REQUIREMENTS	
Up to 10'	None required
10' to 20'	1 row (at center of span)
20' to 30'	2 rows (1 at each 1/3 points)
30' to 40'	3 rows (1 at each 1/4 points)
Over 40'	Space rows at 10' o.c. points)

STRONGBACK BRIDGING ATTACHMENT ALTERNATIVES

- All scab-on blocks shall be a minimum 2x4 "stress graded lumber."
- All strongback bridging and bracing shall be a minimum 2x6 "stress graded lumber."
- The purpose of strongback bridging is to develop load sharing between individual trusses, resulting in an overall increase in the stiffness of the floor system. 2x6 strongback bridging, positioned as shown in details, is recommended at 10' -0" o.c. (max.)
- The terms "bridging" and "bracing" are sometimes mistakenly used interchangeably. "Bracing" is an important structural requirement of any floor or roof system. Refer to the Truss Design Drawing (TDD) for the bracing requirements for each individual truss component. "Bridging," particularly "strongback bridging" is a recommendation for a truss system to help control vibration. In addition to aiding in the distribution of point loads between adjacent truss, strongback bridging serves to reduce "bounce" or residual vibration resulting from moving point loads, such as footsteps.

The performance of all floor systems are enhanced by the installation of strongback bridging and therefore is strongly recommended by Alpine.

For additional information regarding strongback bridging, refer to BCSI (Building Component Safety Information).

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

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

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

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec2.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinetw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org

DAVID J. ROTHWEILER LICENSE NO. 88430 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	PSF	REF STRONGBACK
TC DL	PSF	DATE 10/01/14
BC DL	PSF	DRWG STRBRIBR1014
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.	1.00	
SPACING		

11/17/2023

FL REQ# 278, David J. Rothweiler, FL PE# 88430

Commentary: Deflection and Camber

Camber may be built into trusses to compensate for the vertical deflection that results from the application of loads. Providing camber has the following advantages:

- Helps to ensure level ceilings and floors after dead loads are applied.
- Facilitates drainage to avoid ponding on flat or low slope roofs.
- Compensates for different deflection characteristics between adjacent trusses.
- Improves appearance of garage door headers and other long spans that can appear to 'sag.'
- Avoids 'dips' in roof ridgelines at the transition from the gable to adjacent clear span trusses.

In accordance with ANSI/TPI 1 the Building Designer, through the Construction Documents, shall provide the location, direction, and magnitude of all loads attributable to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding loads.

The amount of camber is dependent on the truss type, span, loading, application, etceteras.

More restrictive limits for allowable deflection and slenderness ratio (L/D) may be required to help control vibration.

The following tables are provided as guidelines for limiting deflection and estimating camber. Conditions or codes may exist that require exceeding these recommendations, or past experience may warrant using more stringent limitations.

L = Span of Truss (inches)
D = Depth of Truss at Deflection Point (inches)

Recommended Truss Deflection Limits

Truss Type	L/D	Deflection Limits	
		Live Load	Total Load
Pitched Roof Trusses	24	L/240 (vertical)	L/180 (vertical)
Floor of Room-In-Attic Trusses	24	L/360 (vertical)	L/240 (vertical)
Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)
Residential Floor Trusses	24	L/360 (vertical)	L/240 (vertical)
Commercial Floor Trusses	20	L/480 (vertical)	L/240 (vertical)
Scissors Trusses	24	0.75" (horizontal)	1.25" (horizontal)

Truss Type	Recommended Camber
Pitched Trusses	1.00 x Deflection from Actual Dead Load
Sloping Parallel Chord Trusses	1.5 x Vertical Deflection from Actual Dead Load
Floor Trusses	(0.25 x Deflection from Live Load) + Actual Dead Load
Flat Roof Trusses	(0.25 x Deflection from Live Load) + (1.5 x Design Dead Load Deflection)

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

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

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

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

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinebc.com TPI: www.tpinst.org SBCA: www.sbcacomponents.com ICC: www.iccsafe.org

DAVID J. ROTHWEILER LICENSE NO. 88430 STATE OF FLORIDA PROFESSIONAL ENGINEER

11/17/2023

FL REQ# 278, David J. Rothweiler, FL PE# 88430

REF	DEFLEC/CAMB
DATE	10/01/14
DRWG	DEFLCAMB1014