

ALPINE
AN ITW COMPANY

11/13/2023

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-F2-REV-2
Job Description: Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D	
Address: Villa MASTER PARCEL ID: XXX GLADES COUNTY, F	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res.	*IntelliVIEW Version:* 22.02.00 *JRef #:* 1XUR94190004
Wind Standard: STDLC_NONE *Wind Speed (mph):* 0 *Building Type:*	*Design Loading (psf):* 58.00

This package contains general notes pages, 35 truss drawing(s) and 2 detail(s).

Item	Drawing Number	Truss
1	317.23.0752.11247	A01
3	317.23.0752.16420	A03
5	317.23.0752.27687	A05
7	317.23.0752.35773	A07
9	317.23.0752.45523	A07-B
11	317.23.0752.50247	A09
13	317.23.0752.57933	A11
15	317.23.0753.02647	A12
17	317.23.0753.08080	A12-B
19	317.23.0753.13270	A13
21	317.23.0753.24003	A15
23	317.23.0753.30230	A17
25	317.23.0753.40270	A19
27	317.23.0753.49493	A20
29	317.23.0753.56830	G02
31	317.23.0754.03017	G04
33	317.23.0754.09417	G06
35	317.23.0752.05160	G08
37	DEFLCAMB1014	

Item	Drawing Number	Truss
2	317.23.0752.13723	A02
4	317.23.0752.18303	A04
6	317.23.0752.31790	A06
8	317.23.0752.40227	A07-A
10	317.23.0752.48083	A08
12	317.23.0752.54810	A10
14	317.23.0753.00937	A11-A
16	317.23.0753.04430	A12-A
18	317.23.0753.11093	A12-C
20	317.23.0753.22073	A14
22	317.23.0753.25340	A16
24	317.23.0753.32603	A18
26	317.23.0753.47893	A19-A
28	317.23.0753.54253	G01
30	317.23.0754.00227	G03
32	317.23.0754.07717	G05
34	317.23.0754.15860	G07
36	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.

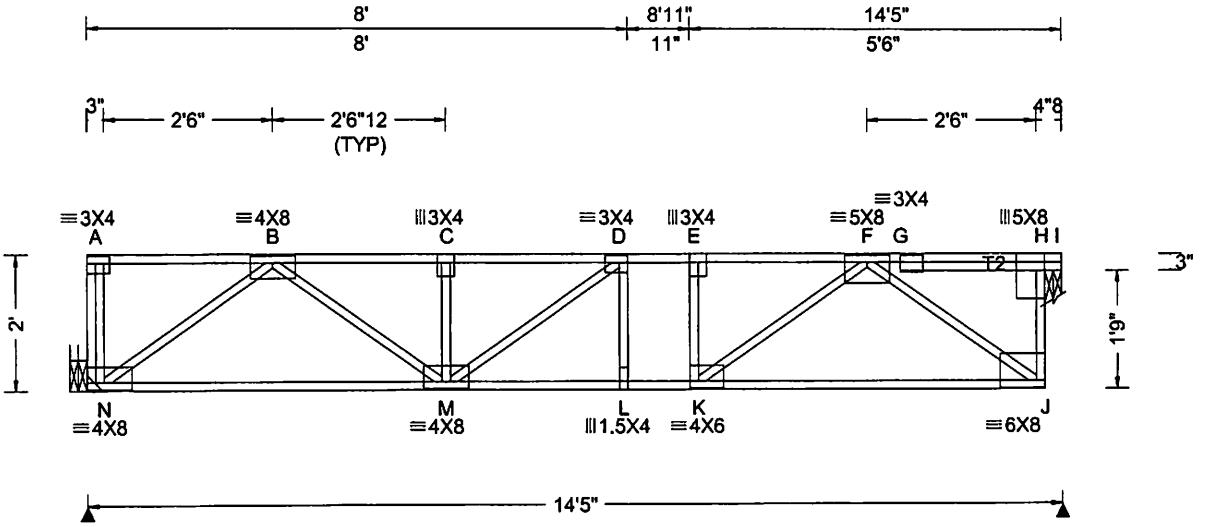
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze 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: 120351 SY42 FROM:	Ply: 1 Qty: 3	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A01	Cust: R 9419 JRef: 1XUR94190004 T64 DrwNo: 317.23.0752.11247 / DJR 11/13/2023



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): 0.103	D	999	640
VERT(CL): 0.203	D	831	360
HORZ(LL): 0.026	B	-	-
HORZ(TL): 0.051	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.731
Max BC CSI: 0.728
Max Web CSI: 0.457

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
N	1338 / -	/ -	/ -	/ -	/ -
H	1311 / -	/ -	/ -	/ -	/ -

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-2303	D - E	0	-2359
C - D	0	-2303	E - F	0	-2345

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	1456	0	L - K	2359	0
M - L	2363	0	K - J	1584	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	0	-1823	K - F	960	0
B - M	1050	0	F - J	0	-1979
C - M	0	-487	H - J	1172	0
E - K	0	-398			

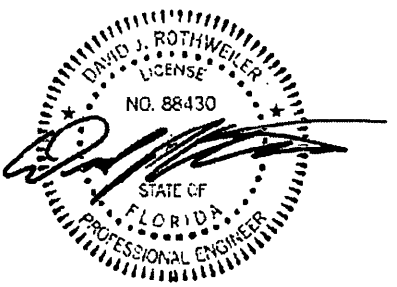
Lumber
Top chord: 4x2 SPF 1650f-1.5E; T2 4x2 SPF #1/#2;
Bot chord: 4x2 SPF 1650f-1.5E;
Webs: 4x2 SPF #1/#2;

Special Loads
——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 171 plf at 0.00 to 171 plf at 14.42
BC: From 13 plf at 0.00 to 13 plf at 14.17

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

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.

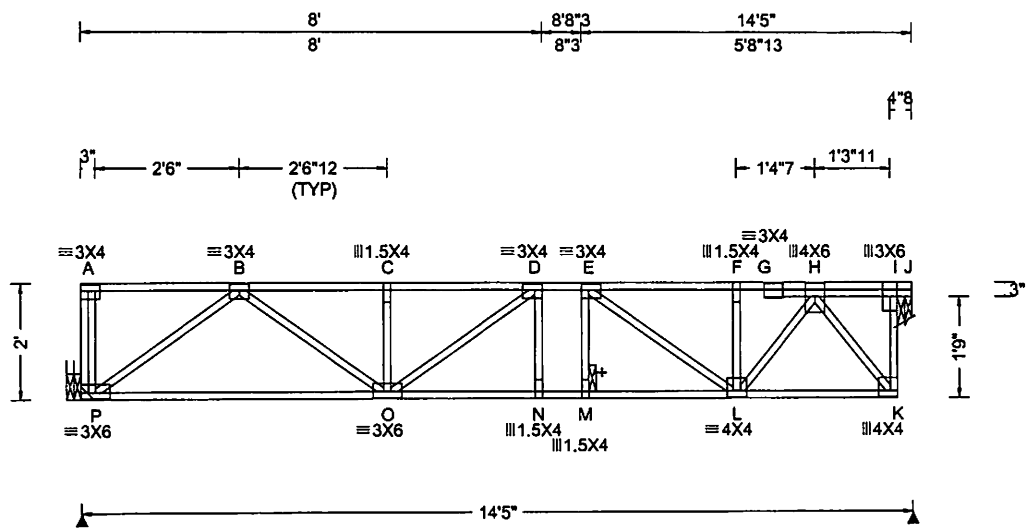


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****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: 75797 SY42 FROM:	Ply: 1 Qty: 2	Job Number: KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D Truss Label: A02	Cust: R 9419 JRef: 1XUR94190004 T61 DrwNo: 317.23.0752.13723 / DJR 11/13/2023



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): 0.048 D 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.068 D 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.012 B - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.020 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: 0.323
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.470
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.222
	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		
	Wind Duration: NA	WAVE	VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	592	/-	/-	/-	/-	/-
I	825	/-	/-	/-	/-	/-

P Brg Wid = - Min Req = -

I Brg Wid = 3.0 Min Req = 1.5 (Truss)

Bearing I is a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1052	E - F	0	-861
C - D	0	-1052	F - G	0	-861
D - E	0	-1128	G - H	0	-871

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	640	0	M - L	1126	0
O - N	1129	0	L - K	590	0
N - M	1128	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - B	0	-802	L - H	449	0
B - O	510	0	H - K	0	-983
E - L	0	-393	I - K	788	0

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	11.49
TC: From	171 plf at	11.49 to	171 plf at	14.31
TC: From	117 plf at	14.31 to	117 plf at	14.42
BC: From	13 plf at	0.00 to	13 plf at	14.17

Hangers / Ties

(J) Hanger Support Required, by others

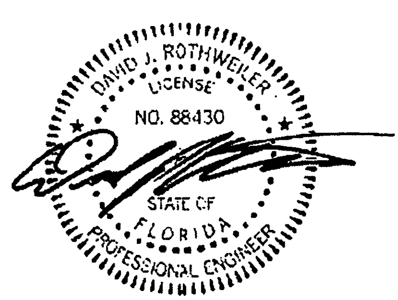
Additional Notes

+ 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.

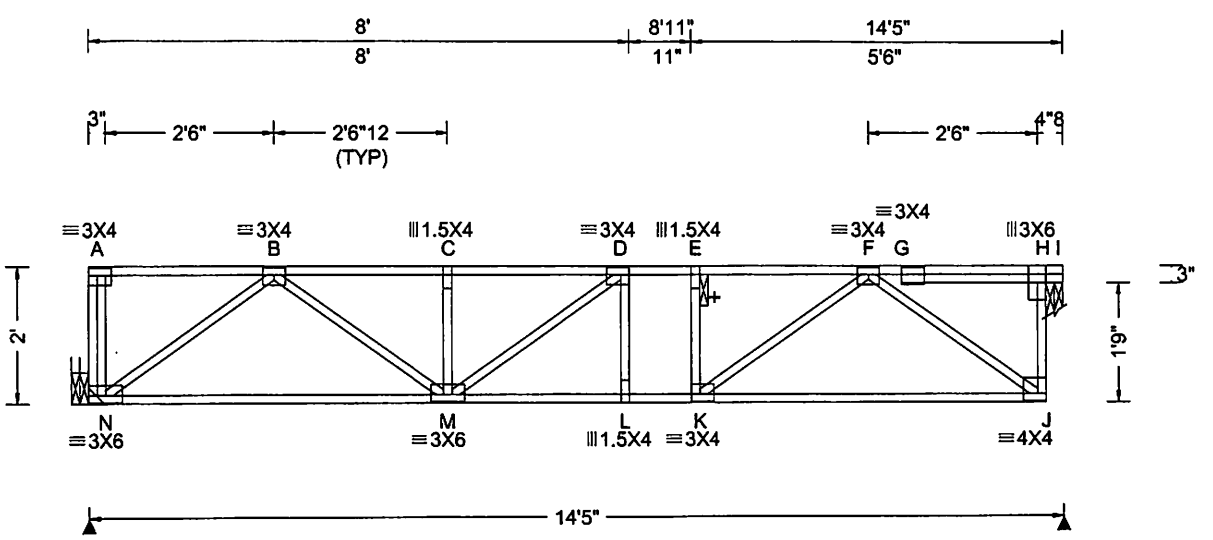


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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: 75798 SY42 FROM:	Ply: 1 Qty: 5	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A03	Cust: R 9419 JRef: 1XUR94190004 T47 DrwNo: 317.23.0752.16420 / DJR 11/13/2023



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): 0.044	D	999	640
VERT(CL): 0.083	D	999	360
HORZ(LL): 0.011	B	-	-
HORZ(TL): 0.022	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.308
Max BC CSI: 0.450
Max Web CSI: 0.189

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+ / R-	/ Rh		/ Rw	/ U	/ RL
N	562 /-	/-		/-	/-	/-
H	549 /-	/-		/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-974	D - E	0	-995
C - D	0	-974	E - F	0	-990

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	601	0	L - K	995	0
M - L	997	0	K - J	655	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	0	-753	F - J	0	-819
B - M	462	0	H - J	502	0
K - F	426	0			

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

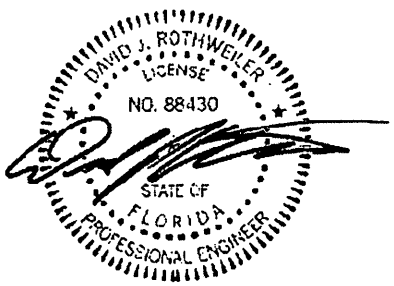
Additional Notes

+ 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.

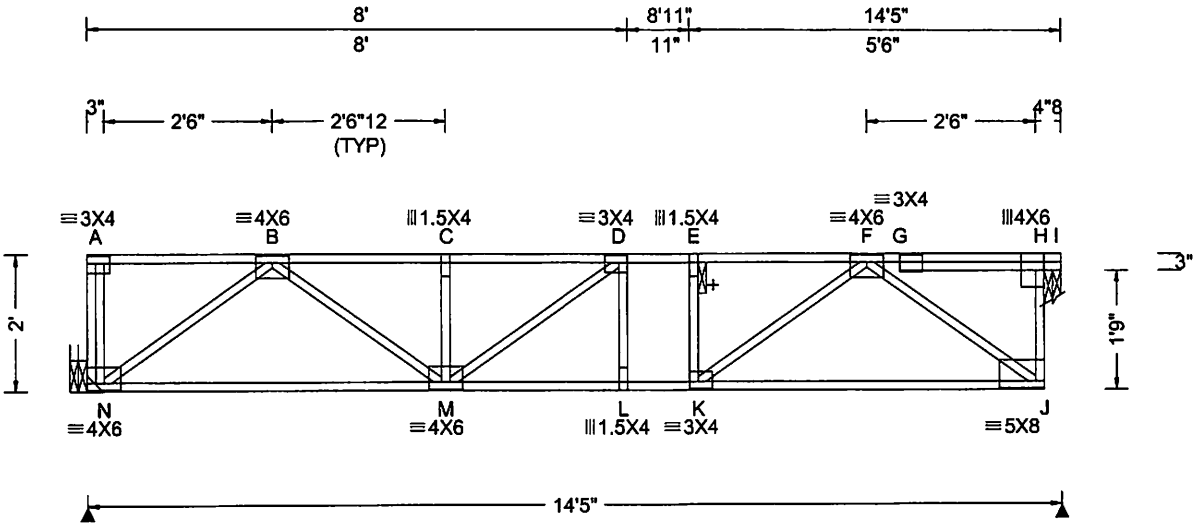


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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: 75799 SY42 FROM:	Ply: 1 Qty: 2	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A04	Cust: R 9419 JRef: 1XUR94190004 T66 DrwNo: 317.23.0752.18303 / DJR 11/13/2023



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): 0.105	D	999	640
VERT(CL): 0.148	D	999	360
HORZ(LL): 0.027	B	-	-
HORZ(TL): 0.038	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.613
Max BC CSI: 0.733
Max Web CSI: 0.322

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
N	946 /-	/-	/-	/-	/-
H	916 /-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1628	D - E	0	-1670
C - D	0	-1628	E - F	0	-1661

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	1023	0	L - K	1670	0
M - L	1673	0	K - J	1116	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	0	-1281	F - J	0	-1395
B - M	750	0	H - J	835	0
K - F	682	0			

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

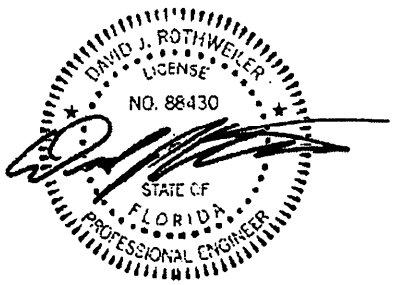
Special Loads
——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	117 plf at	0.00 to	117 plf at	4.88
TC: From	64 plf at	4.88 to	64 plf at	5.00
TC: From	117 plf at	5.00 to	117 plf at	14.18
TC: From	64 plf at	14.18 to	64 plf at	14.42
BC: From	13 plf at	0.00 to	13 plf at	14.17

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

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.

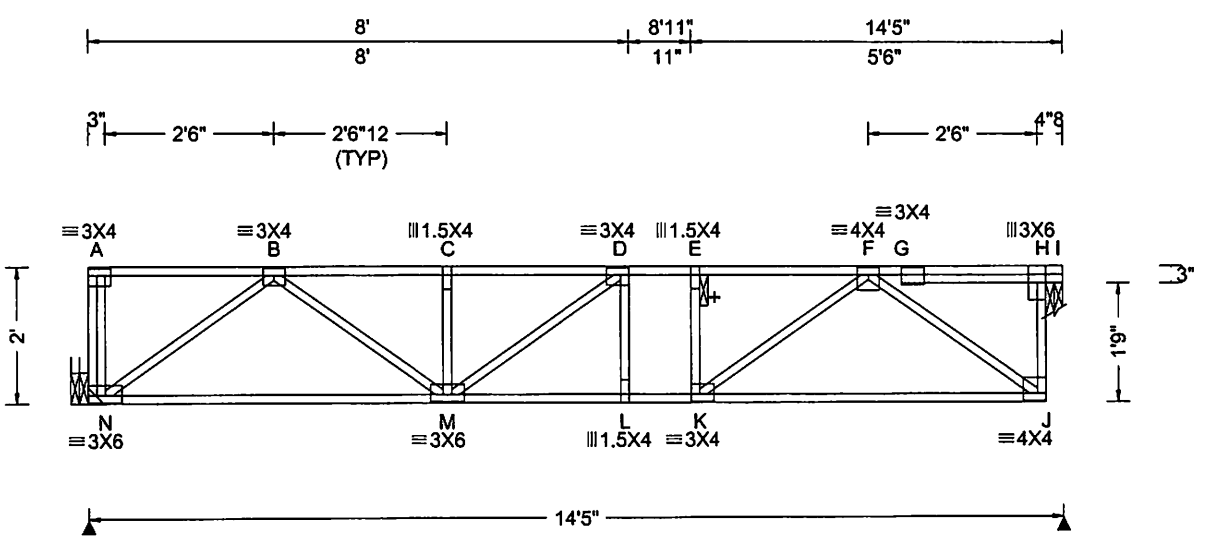


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****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: 75800 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A05	Cust: R 9419 JRef: 1XUR94190004 T46 DrwNo: 317.23.0752.27687 / DJR 11/13/2023



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): 0.051	D	999	640
VERT(CL): 0.083	D	999	360
HORZ(LL): 0.013	B	-	-
HORZ(TL): 0.023	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.482
Max BC CSI: 0.504
Max Web CSI: 0.211

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	573	/-	/-	/-	/-	/-
H	667	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1003	D - E	0	-1041
C - D	0	-1003	E - F	0	-1037

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	616	0	L - K	1041	0
M - L	1043	0	K - J	731	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	0	-771	F - J	0	-914
B - M	480	0	H - J	557	0
K - F	426	0			

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

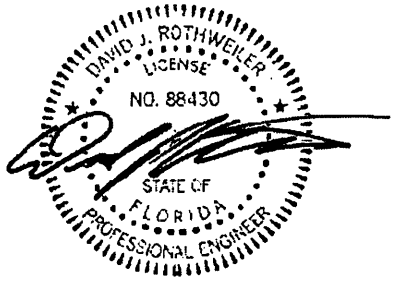
Special Loads
-----(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	64 plf at	0.00 to	64 plf at	11.89
TC: From	117 plf at	11.89 to	117 plf at	14.31
TC: From	64 plf at	14.31 to	64 plf at	14.42
BC: From	13 plf at	0.00 to	13 plf at	14.17

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

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.

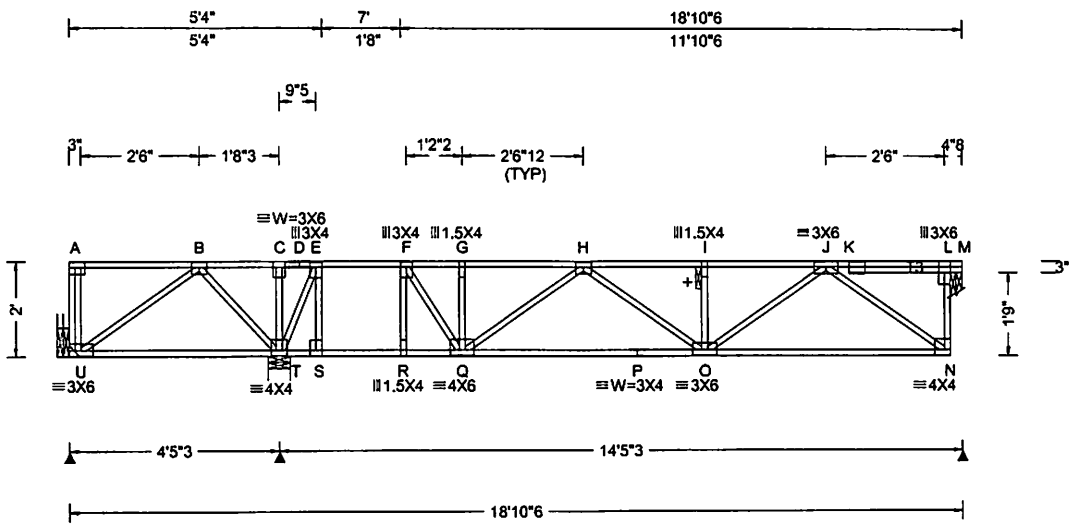


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****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: 75801 SY42 FROM:	Ply: 1 Qty: 3	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A06	Cust: R 9419 JRef: 1XUR94190004 T37 DrwNo: 317.23.0752.31790 / DJR 11/13/2023



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): 0.129	F	999	640
VERT(CL): 0.230	F	746	360
HORZ(LL): -0.014	L	-	-
HORZ(TL): 0.026	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.646
Max BC CSI: 0.700
Max Web CSI: 0.239

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
U	380	/-	/-	/-	/-	/-
T	472	/-	/-	/-	/-	/-
L	745	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-454	F - G	0	-1217
C - D	0	-454	G - H	0	-1217
D - E	0	-454	H - I	0	-1230
E - F	0	-844	I - J	0	-1230

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	829	0	Q - P	1338	0
S - R	844	0	P - O	1338	0
R - Q	857	0	O - N	830	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - B	0	-452	F - Q	680	0
T - E	0	-992	O - J	496	0
E - S	464	0	J - N	0	-1038
R - F	0	-384	L - N	632	0

Lumber

Top chord: 4x2 SPF 1650f-1.5E; T3 4x2 SPF #1/#2;
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	16.34
TC: From	117 plf at	16.34 to	117 plf at	18.86
BC: From	13 plf at	0.00 to	13 plf at	18.61

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

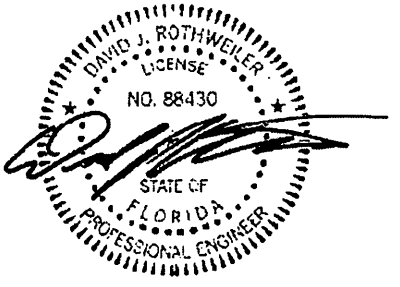
Additional Notes

+ 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

11/13/2023

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

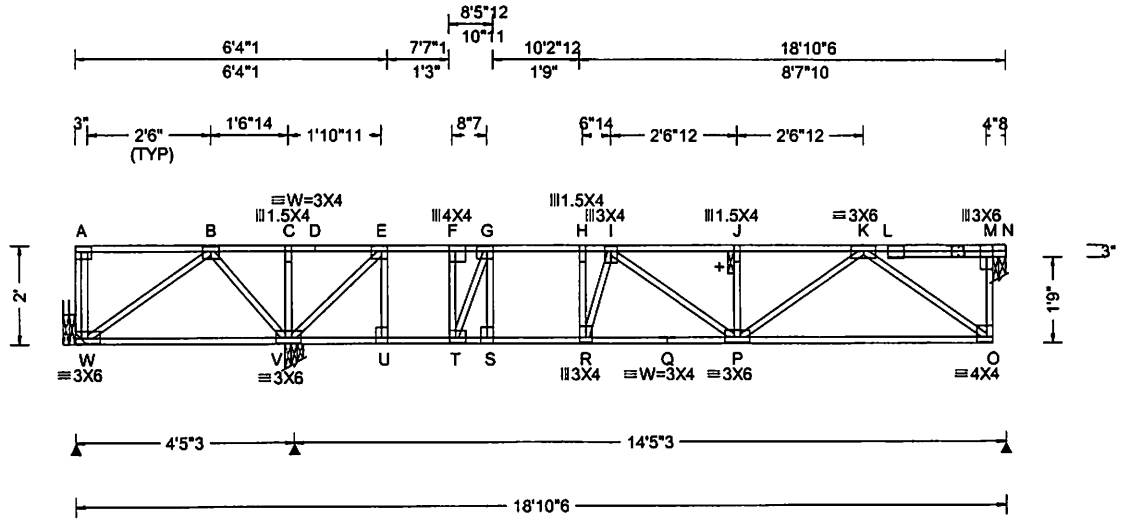
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 75802 SY42 FROM:	Ply: 1 Qty: 9	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A07	Cust: R 9419 JRef: 1XUR94190004 T45 DrwNo: 317.23.0752.35773 / DJR 11/13/2023



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): 0.108	R	999	640
VERT(CL): 0.209	R	826	360
HORZ(LL): 0.012	O	-	-
HORZ(TL): 0.023	O	-	-

Creep Factor: 2.0
Max TC CSI: 0.447
Max BC CSI: 0.643
Max Web CSI: 0.215

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
W	365 /-	/-	/-	/-	/-
V	526 /-	/-	/-	/-	/-
M	614 /-	/-	/-	/-	/-

W Brg Wid = - Min Req = -
V Brg Wid = 4.5 Min Req = 1.5 (Truss)
M Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings V & 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.
B - C	0	-411	G - H	0	-1201
C - D	0	-411	H - I	0	-1206
D - E	0	-411	I - J	0	-1164
E - F	0	-911	J - K	0	-1164
F - G	0	-924			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	904	0	R - Q	1254	0
U - T	911	0	Q - P	1254	0
T - S	1190	0	P - O	744	0
S - R	1201	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
W - B	0	-427	P - K	521	0
V - E	0	-772	K - O	0	-930
F - T	398	0	M - O	568	0
T - G	0	-834			

Lumber

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

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

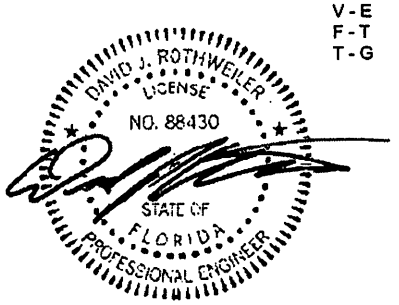
Additional Notes

+ 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.



11/13/2023 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

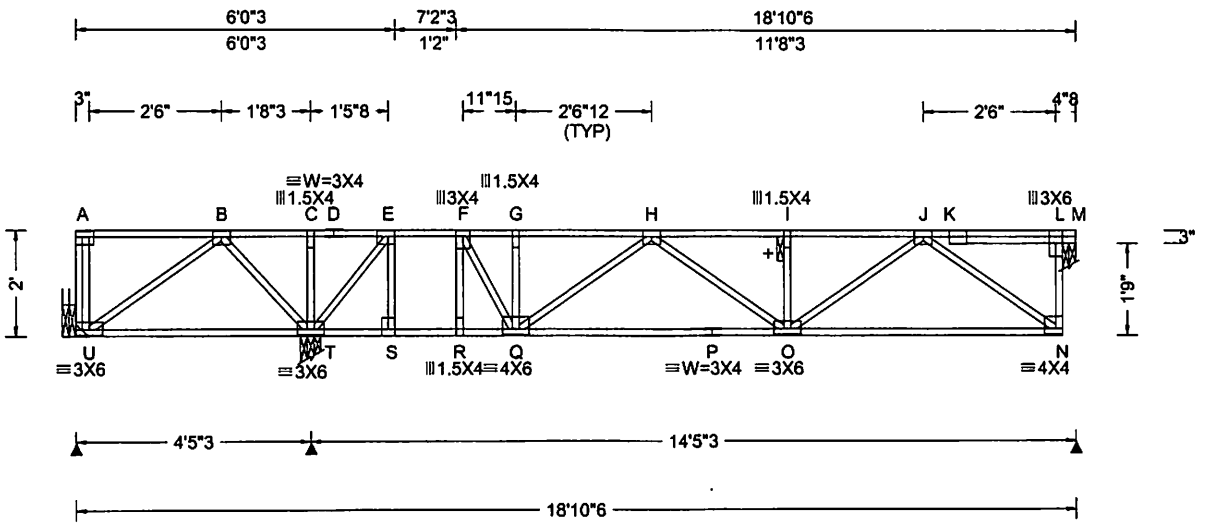
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 75803 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A07-A	Cust: R 9419 JRef: 1XUR94190004 T35 DrwNo: 317.23.0752.40227 / DJR 11/13/2023



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): 0.087	G	999	640
VERT(CL): 0.168	G	999	360
HORZ(LL): 0.010	N	-	-
HORZ(TL): 0.019	N	-	-

Creep Factor: 2.0
Max TC CSI: 0.630
Max BC CSI: 0.758
Max Web CSI: 0.197

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
U	197	/-	/-	/-	/-	/-
T	706	/-	/-	/-	/-	/-
L	566	/-	/-	/-	/-	/-

U Brg Wid = - Min Req = -
T Brg Wid = 4.5 Min Req = 1.5 (Truss)
L Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings T & 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.
E - F	0	-548	H - I	0	-1027
F - G	0	-884	I - J	0	-1027
G - H	0	-884			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	538	0	Q - P	1069	0
S - R	548	0	P - O	1069	0
R - Q	559	0	O - N	672	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
T - E	0	-843	J - N	0	-841
F - Q	699	0	L - N	517	0
O - J	439	0			

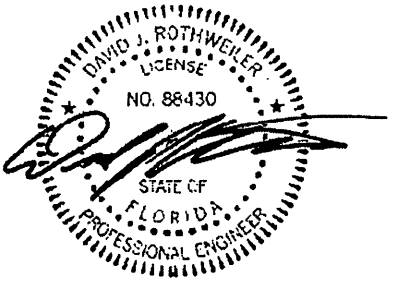
Lumber
Top chord: 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

Plating Notes
All plates are 3X4 except as noted.

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

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.



11/13/2023 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

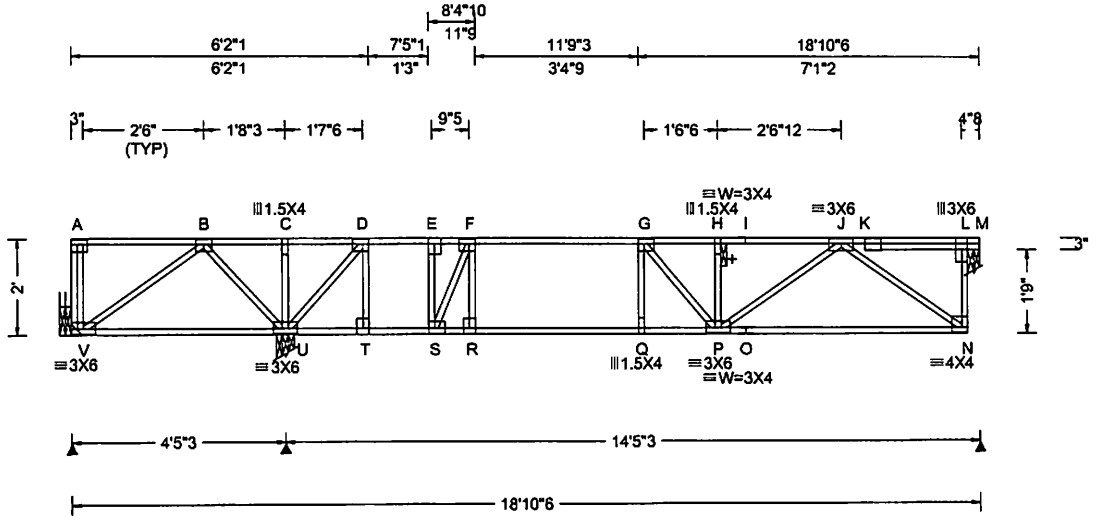
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 120353 SY42 FROM:	Ply: 1 Qty: 2	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A07-B	Cust: R 9419 JRef: 1XUR94190004 T29 DrwNo: 317.23.0752.45523 / DJR 11/13/2023



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): 0.112	Q	999	640
VERT(CL): 0.218	Q	788	360
HORZ(LL): -0.014	J	-	-
HORZ(TL): 0.027	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.639
Max BC CSI: 0.650
Max Web CSI: 0.224

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
V	471	/-	/-	/-	/-	/-
U	520	/-	/-	/-	/-	/-
L	634	/-	/-	/-	/-	/-

V Brg Wid = - Min Req = -
U Brg Wid = 4.5 Min Req = 1.5 (Truss)
L Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings U & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-648	F - G	0	-1308
C - D	0	-648	G - H	0	-1213
D - E	0	-1016	H - I	0	-1213
E - F	0	-1028	I - J	0	-1213

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	481	0	R - Q	1308	0
U - T	1009	0	Q - P	1309	0
T - S	1016	0	P - O	775	0
S - R	1299	0	O - N	775	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
V - B	0	-603	P - J	543	0
U - D	0	-715	J - N	0	-969
S - F	0	-766	L - N	591	0

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

Plating Notes
All plates are 3X4 except as noted.

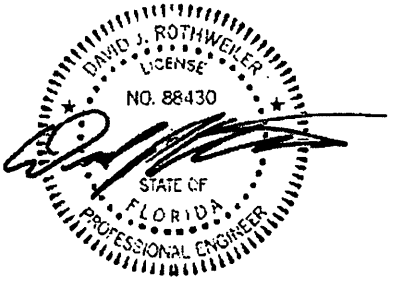
Hangers / Ties
(J) Hanger Support Required, by others

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.

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



11/13/2023 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

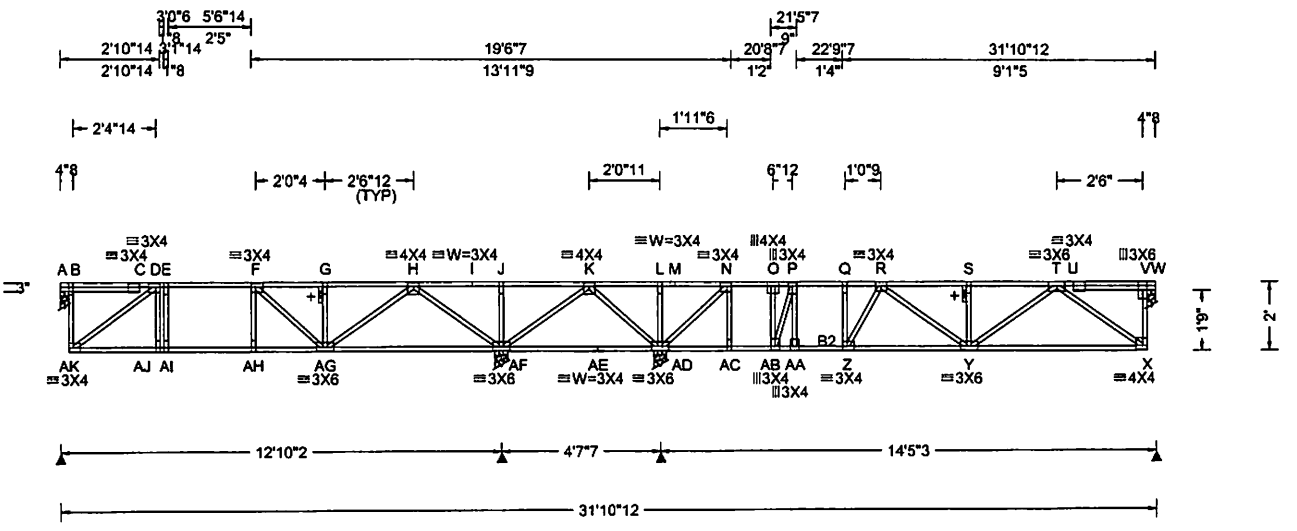
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 120356 SY42 FROM:	Ply: 1 Qty: 2	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A08	Cust: R 9419 JRef: 1XUR94190004 T33 DrwNo: 317.23.0752.48083 / DJR 11/13/2023



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): 0.105	Z	999	640
VERT(CL): 0.186	Z	920	360
HORZ(LL): 0.014	X	-	-
HORZ(TL): 0.027	X	-	-

Creep Factor: 2.0
Max TC CSI: 0.624
Max BC CSI: 0.513
Max Web CSI: 0.225

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	369	/-	/-	/-	/-	/-
AF	1241	/-	/-	/-	/-	/-
AD	492	/-	/-	/-	/-	/-
V	703	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AF Brg Wid = 4.5 Min Req = 1.5 (Truss)
AD Brg Wid = 4.5 Min Req = 1.5 (Truss)
V Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AF, AD, & 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.
D - E	0	-421	O - P	0	-808
E - F	0	-421	P - Q	0	-1088
H - I	935	0	Q - R	0	-1091
I - J	935	0	R - S	0	-1140
J - K	935	0	S - T	0	-1140
N - O	0	-795			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AK-AJ	417	0	AC-AB	795	0
AJ-AI	421	0	AB-AA	1071	0
AI-AH	421	0	AA- Z	1088	0
AH-AG	421	0	Z - Y	1187	0
AD-AC	786	0	Y - X	779	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AK- D	0	-529	O -AB	427	0
AG- H	578	0	AB- P	0	-1073
H -AF	0	-858	P -AA	533	0
AF- K	0	-838	Y - T	477	0
K -AD	615	0	T - X	0	-974
AD- N	0	-833	V - X	593	0

Lumber

Top chord: 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2; B2 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	-0.25 to	64 plf at	29.22
TC: From	117 plf at	29.22 to	117 plf at	31.54
TC: From	64 plf at	31.54 to	64 plf at	31.65
BC: From	13 plf at	0.00 to	13 plf at	31.40

Plating Notes

All plates are 1.5X4 except as noted.

Additional Notes

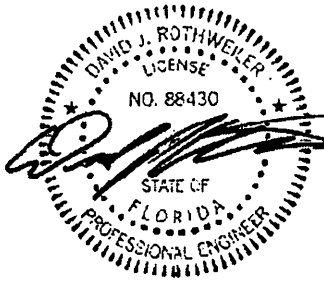
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.

Live Load

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

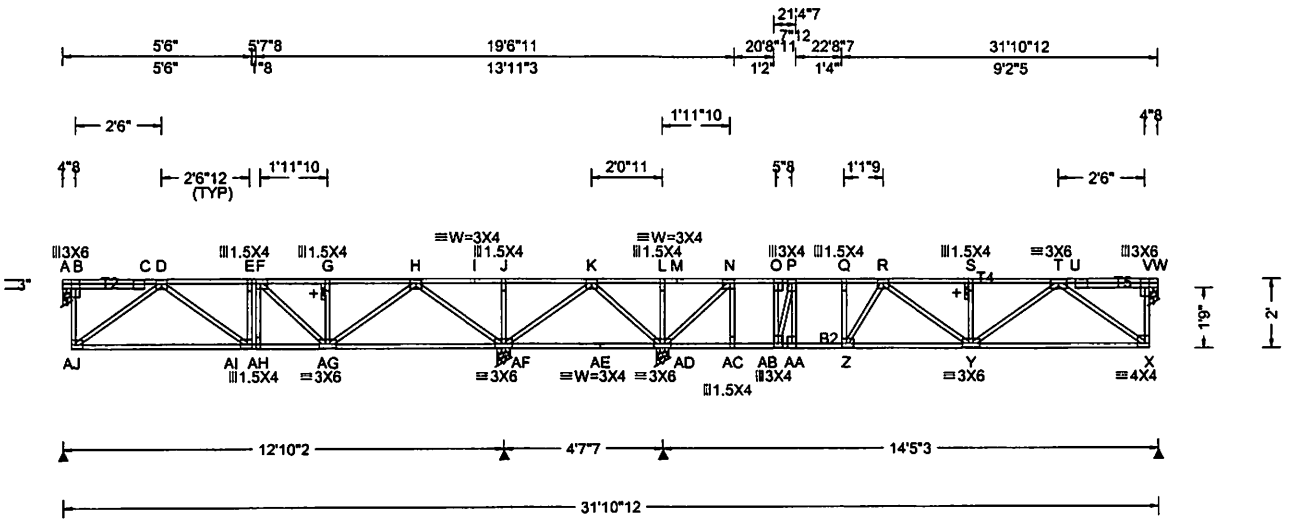


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****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: 120358 SY42 FROM:	Ply: 1 Qty: 2	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A09	Cust: R 9419 JRef: 1XUR94190004 T41 DrwNo: 317.23.0752.50247 / DJR 11/13/2023



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): 0.095 Z 999 640
BCLL:	0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.167 Z 999 360
BCDL:	10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.011 V - -
Des Ld:	58.00	EXP: NA Kzt: NA		HORZ(TL): 0.020 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: 0.426
Load Duration:	1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.439
Spacing:	16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.229
		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	446	/-	/-	/-	/-	/-
AF	994	/-	/-	/-	/-	/-
AD	506	/-	/-	/-	/-	/-
V	711	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AF Brg Wid = 4.5 Min Req = 1.5 (Truss)
AD Brg Wid = 4.5 Min Req = 1.5 (Truss)
V Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AF, AD, & 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.
D - E	0	-673	N - O	0	-853
E - F	0	-673	O - P	0	-871
F - G	0	-599	P - Q	0	-1116
G - H	0	-599	Q - R	0	-1121
H - I	387	0	R - S	0	-1163
I - J	387	0	S - T	0	-1163
J - K	387	0			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AJ-AI	497	0	AB-AA	1100	0
AI-AH	673	0	AA- Z	1116	0
AH-AG	675	0	Z - Y	1224	0
AD-AC	845	0	Y - X	792	0
AC-AB	853	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AJ- B	390	0	O -AB	561	0
AJ- D	0	-622	AB- P	0	-1140
AG- H	452	0	P -AA	496	0
H -AF	0	-733	Y - T	489	0
AF- K	0	-548	T - X	0	-990
AD- N	0	-805	V - X	603	0

Lumber

Top chord: 4x2 SPF 1650f-1.5E; T2,
T5 4x2 SPF #1/#2; T4 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SPF 1650f-1.5E;
B2 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	-0.25 to	64 plf at	29.22
TC: From	117 plf at	29.22 to	117 plf at	31.54
TC: From	64 plf at	31.54 to	64 plf at	31.65
BC: From	13 plf at	0.00 to	13 plf at	31.40

Plating Notes

All plates are 3X4 except as noted.

Additional Notes

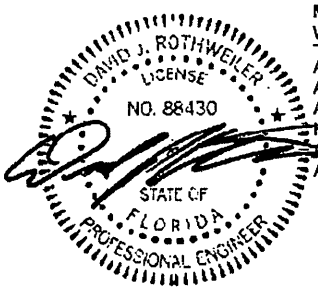
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.

Live Load

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



11/13/2023 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

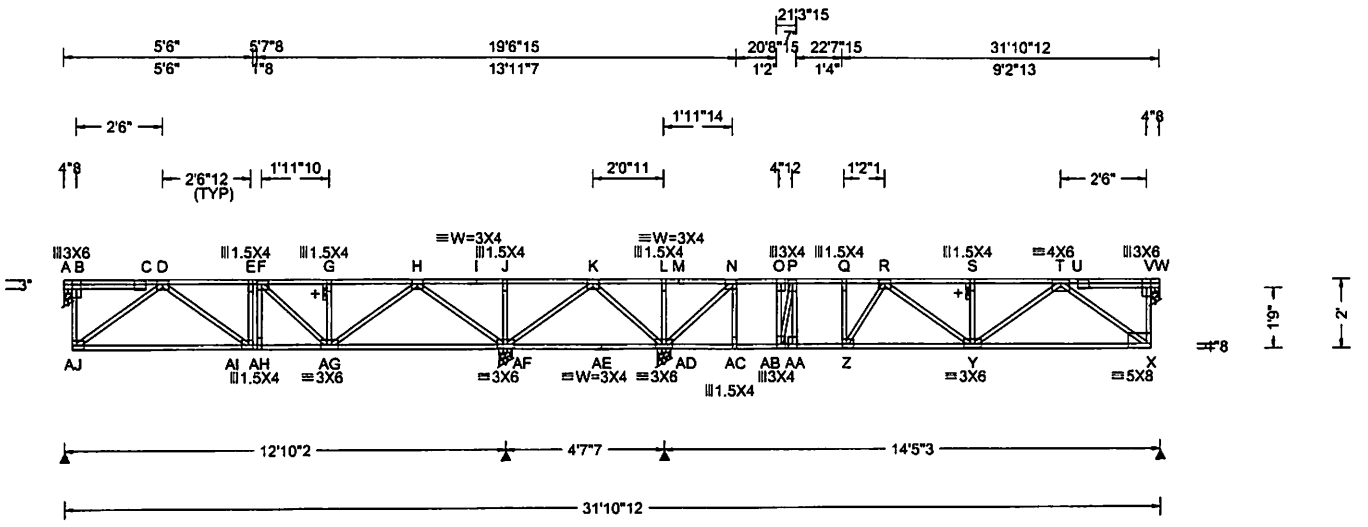
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 120360 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-F2-REV-2	Cust: R 9419 JRef: 1XUR94190004 T39
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D	DrwNo: 317.23.0752.54810
		Truss Label: A10	/ DJR 11/13/2023



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): 0.118 Z 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.208 Z 825 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.012 V - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.022 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: 0.379
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.479
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.276
	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	459	/-	/-	/-	/-	/-
AF	1005	/-	/-	/-	/-	/-
AD	504	/-	/-	/-	/-	/-
V	826	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AF Brg Wid = 4.5 Min Req = 1.5 (Truss)
AD Brg Wid = 4.5 Min Req = 1.5 (Truss)
V Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AF, AD, & 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.
D - E	0	-711	N - O	0	-1050
E - F	0	-712	O - P	0	-1072
F - G	0	-654	P - Q	0	-1328
G - H	0	-654	Q - R	0	-1334
K - L	0	-450	R - S	0	-1444
L - M	0	-450	S - T	0	-1444
M - N	0	-450			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AJ-AI	517	0	AB-AA	1309	0
AI-AH	712	0	AA- Z	1328	0
AH-AG	714	0	Z - Y	1470	0
AD-AC	1042	0	Y - X	955	0
AC-AB	1050	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AJ- B	404	0	O -AB	687	0
AJ- D	0	-646	AB- P	0	-1380
AG- H	439	0	P -AA	609	0
H -AF	0	-719	Y - T	606	0
AF- K	0	-587	T - X	0	-1194
AD- N	0	-873	V - X	721	0

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	25.45
TC: From	117 plf at	25.45 to	117 plf at	27.95
TC: From	64 plf at	27.95 to	64 plf at	29.40
TC: From	117 plf at	29.40 to	117 plf at	31.90
BC: From	13 plf at	0.25 to	13 plf at	31.65

Plating Notes

All plates are 3X4 except as noted.

Additional Notes

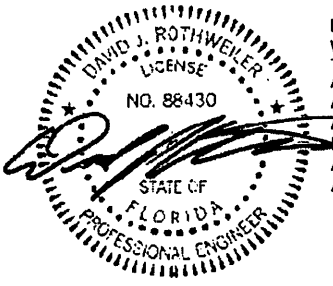
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.

Live Load

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

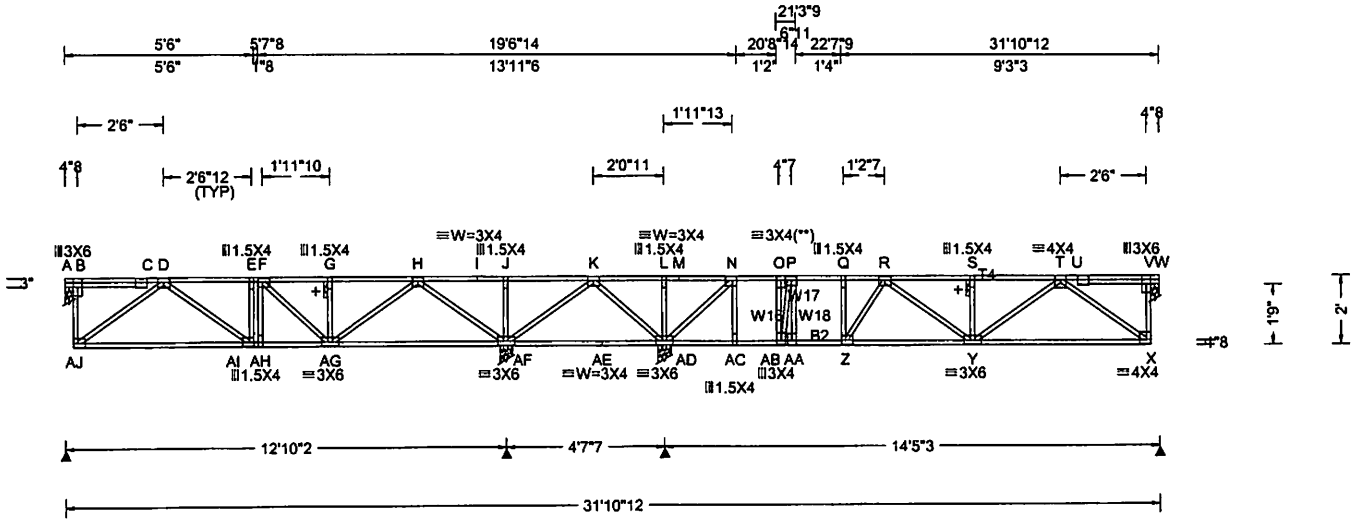


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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: 120362 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A11	Cust: R 9419 JRef: 1XUR94190004 T56 DrwNo: 317.23.0752.57933 / DJR 11/13/2023



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): 0.088	Z	999	640
VERT(CL): 0.170	Z	999	360
HORZ(LL): -0.010	V	-	-
HORZ(TL): 0.019	V	-	-

Creep Factor: 2.0
Max TC CSI: 0.356
Max BC CSI: 0.383
Max Web CSI: 0.209

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
A	445 /-	/-	/-	/-	/-
AF	1002 /-	/-	/-	/-	/-
AD	490 /-	/-	/-	/-	/-
V	599 /-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AF Brg Wid = 4.5 Min Req = 1.5 (Truss)
AD Brg Wid = 4.5 Min Req = 1.5 (Truss)
V Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AF, AD, & 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.
D - E	0	-669	N - O	0	-849
E - F	0	-670	O - P	0	-869
F - G	0	-594	P - Q	0	-1091
G - H	0	-594	Q - R	0	-1095
H - I	395	0	R - S	0	-1121
I - J	395	0	S - T	0	-1121
J - K	395	0			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AJ-AI	495	0	AB-AA	1073	0
AI-AH	670	0	AA- Z	1091	0
AH-AG	672	0	Z - Y	1195	0
AD-AC	841	0	Y - X	723	0
AC-AB	849	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AJ- B	388	0	O -AB	645	0
AJ- D	0	-619	AB- P	0	-1292
AC- H	454	0	P -AA	574	0
H -AF	0	-735	Y - T	494	0
AF- K	0	-560	T - X	0	-904
AD- N	0	-786	V - X	552	0

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; W16,W17,
W18 4x2 SP 2400f-2.0E;

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.

Additional Notes

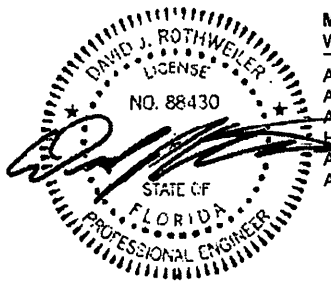
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.

Live Load

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

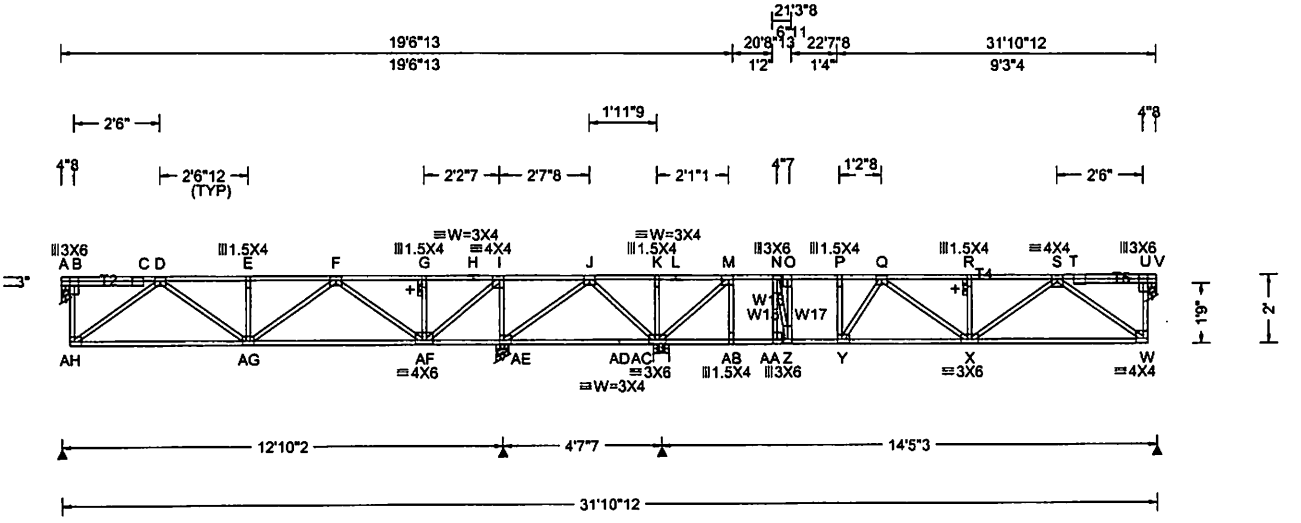


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****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: 120364 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A11-A	Cust: R 9419 JRef: 1XUR94190004 T44 DrwNo: 317.23.0753.00937 / DJR 11/13/2023



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): 0.088	Y	999	640
VERT(CL): 0.169	Y	999	360
HORZ(LL): -0.010	U	-	-
HORZ(TL): 0.020	U	-	-

Creep Factor: 2.0
Max TC CSI: 0.332
Max BC CSI: 0.373
Max Web CSI: 0.210

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	450	/-	/-	/-	/-	/-
AE	980	/-	/-	/-	/-	/-
AC	445	/-	/-	/-	/-	/-
U	602	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AE Brg Wid = 4.5 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, AE, 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.
D - E	0	-700	O - P	0	-1108
E - F	0	-700	P - Q	0	-1112
I - J	397	0	Q - R	0	-1130
M - N	0	-865	R - S	0	-1130
N - O	0	-1085			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AH-AG	502	0	AA- Z	886	0
AG-AF	580	0	Z - Y	1108	0
AC-AB	857	0	Y - X	1209	0
AB-AA	865	0	X - W	728	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AH- B	392	0	AA- N	0	-651
AH- D	0	-628	N - Z	1265	0
F -AF	0	-455	Z - O	0	-682
AF- I	698	0	X - S	499	0
I -AE	0	-615	S - W	0	-910
AE- J	0	-553	U - W	556	0
AC- M	0	-804			

Lumber

Top chord: 4x2 SPF 1650f-1.5E; T2, T5 4x2 SPF #1/#2; T4 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2; W15,W16, W17 4x2 SP 2400f-2.0E;

Plating Notes

All plates are 3X4 except as noted.

Additional Notes

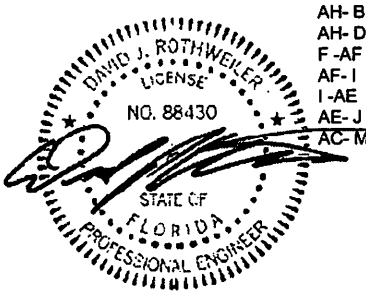
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

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

11/13/2023

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

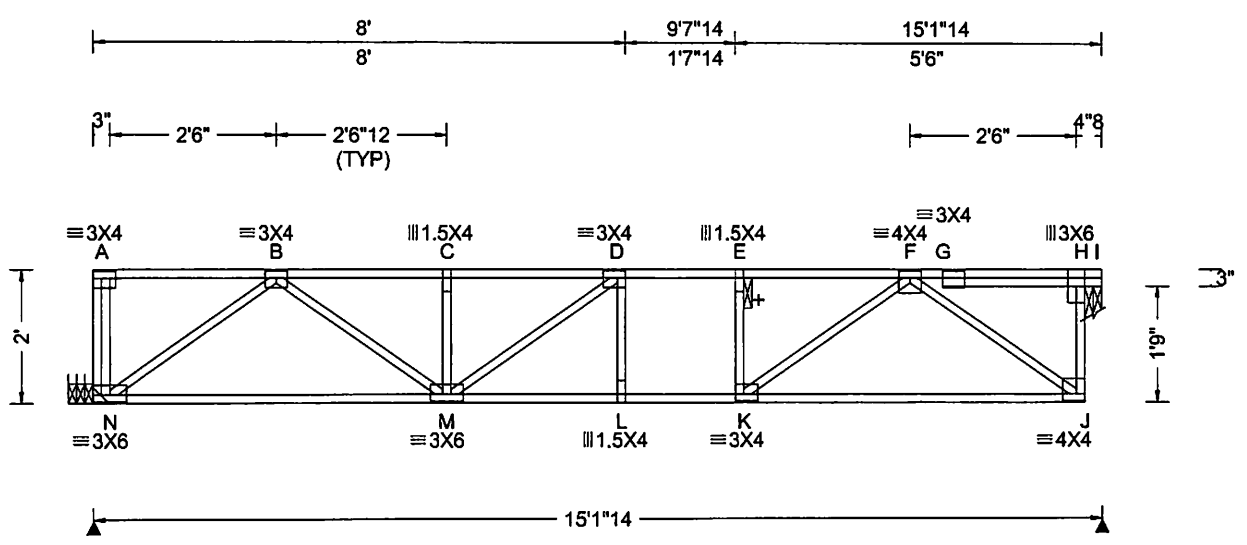
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 75810 SY42 FROM:	Ply: 1 Qty: 5	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A12	Cust: R 9419 JRef: 1XUR94190004 T2 DrwNo: 317.23.0753.02647 / DJR 11/13/2023



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):	0.069 L	999	640
VERT(CL):	0.150 L	999	360
HORZ(LL):	0.017 B	-	-
HORZ(TL):	0.038 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.440
Max BC CSI: 0.577
Max Web CSI: 0.201

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	591	/-	/-	/-	/-	/-
H	578	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1055	D - E	0	-1093
C - D	0	-1055	E - F	0	-1087

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	639	0	L - K	1093	0
M - L	1095	0	K - J	697	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	0	-801	F - J	0	-871
B - M	515	0	H - J	530	0
K - F	501	0			

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

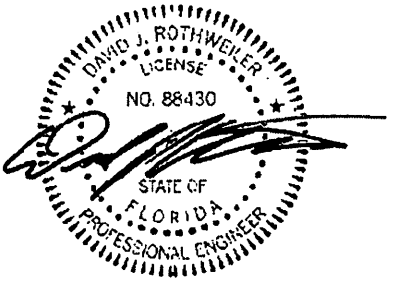
Additional Notes

+ 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.



11/13/2023 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

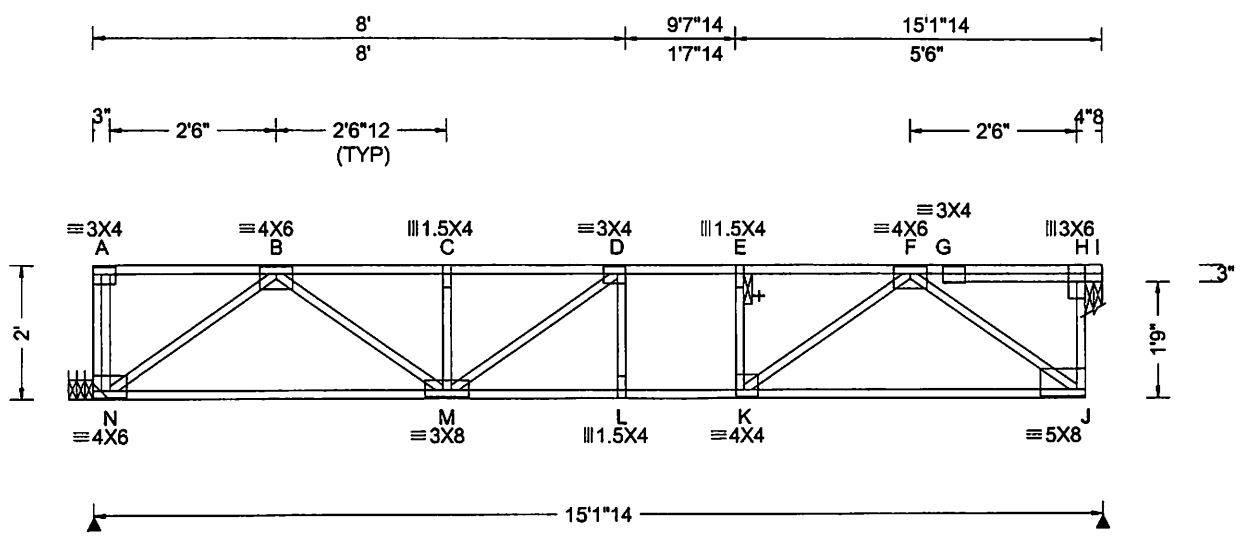
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 75811 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A12-A	Cust: R 9419 JRef: 1XUR94190004 T6 DrwNo: 317.23.0753.04430 / DJR 11/13/2023



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: 24.0 "

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): 0.092	L	999	640
VERT(CL): 0.198	L	893	360
HORZ(LL): 0.022	B	-	-
HORZ(TL): 0.049	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.582
Max BC CSI: 0.455
Max Web CSI: 0.303

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	886	/-	/-	/-	/-	/-
H	867	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1581	D - E	0	-1639
C - D	0	-1581	E - F	0	-1630

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	960	0	L - K	1639	0
M - L	1642	0	K - J	1049	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	0	-1202	F - J	0	-1311
B - M	770	0	H - J	797	0
K - F	743	0			

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

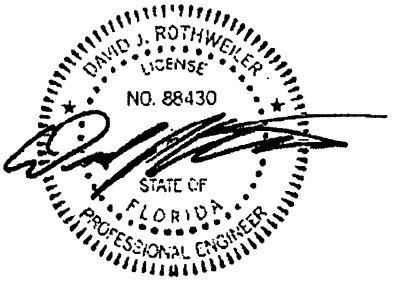
Additional Notes

+ 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.



11/13/2023 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.

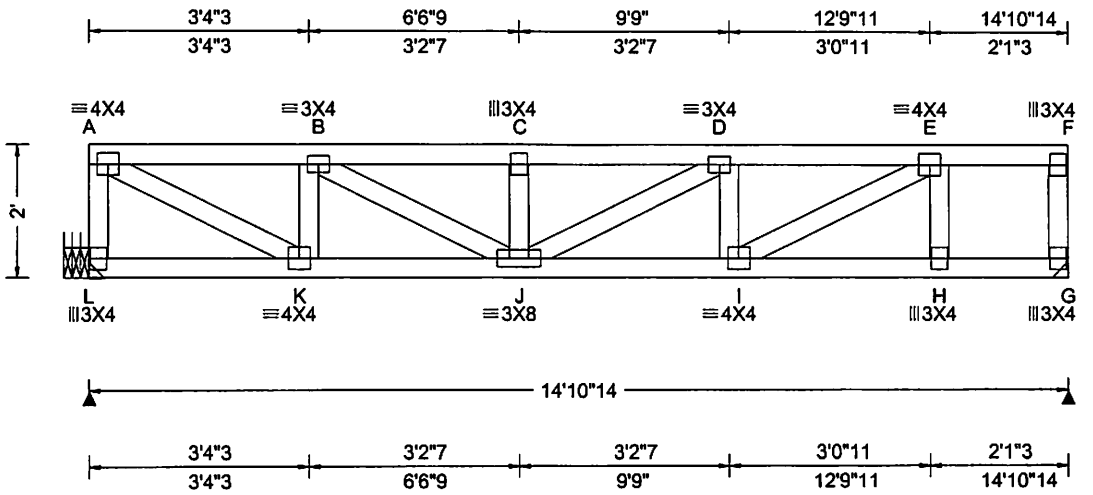
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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: 75812 FLAT FROM:	Ply: 2 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A12-B	Cust: R 9419 JRef: 1XUR94190004 T14 DrwNo: 317.23.0753.08080 / DJR 11/13/2023

2 Complete Trusses Required



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): 0.126 H 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.242 H 737 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.023 A - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.044 A - -
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: 0.562
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.707
Spacing: 24.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.262
	C&C Dist a: NA ft	FT/RT/PT:10(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
L	865	/-	/-	/-	/-	/-
G	865	/-	/-	/-	/-	/-
L	Brg Wid = -		Min Req = -			
G	Brg Wid = -		Min Req = -			

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-651	C - D	0	-925
B - C	0	-925	D - E	0	-908

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	703	0	J - I	956	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - L	0	-417	I - E	928	0
A - K	732	0			

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

Nailnote

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

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

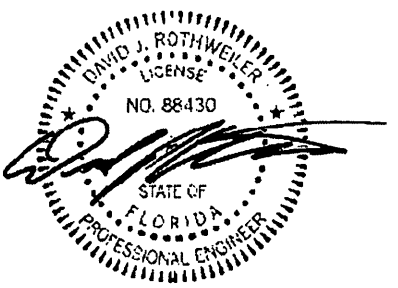
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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.



11/13/2023 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.

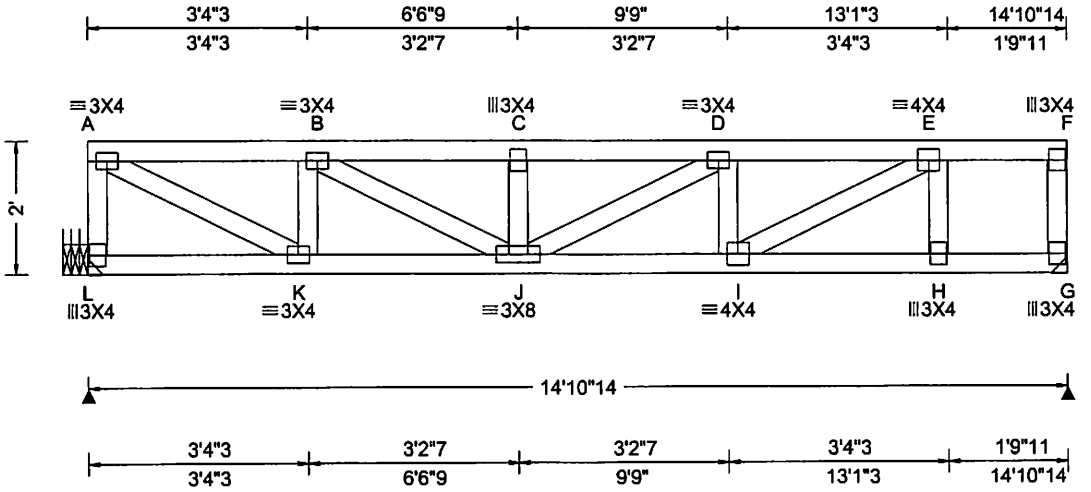
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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: 75813 FLAT FROM:	Ply: 2 Qty: 3	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A12-C	Cust: R 9419 JRef: 1XUR94190004 T13 DrwNo: 317.23.0753.11093 / DJR 11/13/2023

2 Complete Trusses Required



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: 20.0 "

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:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.105	H	999	640
VERT(CL): 0.202	H	885	360
HORZ(LL): 0.019	A	-	-
HORZ(TL): 0.037	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.466
Max BC CSI: 0.589
Max Web CSI: 0.218

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	720	/-	/-	/-	/-	/-
G	720	/-	/-	/-	/-	/-

L Brg Wid = - Min Req = -
G Brg Wid = - Min Req = -
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-543	C - D	0	-771
B - C	0	-771	D - E	0	-757

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	586	0	J - I	796	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - K	610	0	I - E	773	0

Lumber
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

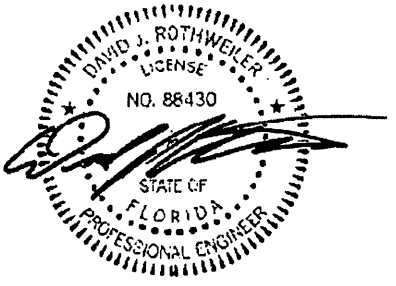
Nailnote
Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

Purlins
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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.

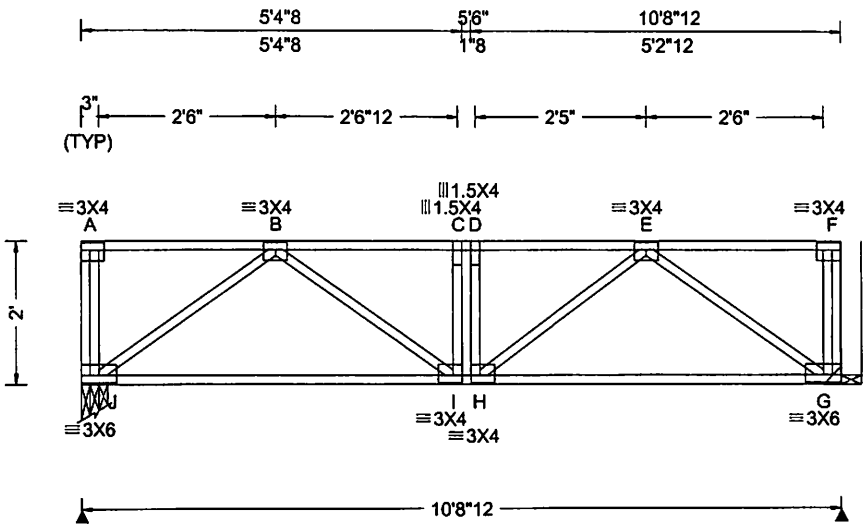


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****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: 75814 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A13	Cust: R 9419 JRef: 1XUR94190004 T54 DrwNo: 317.23.0753.13270 / DJR 11/13/2023



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): 0.012	C	999	640
VERT(CL): 0.024	C	999	360
HORZ(LL): 0.004	G	-	-
HORZ(TL): 0.007	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.251
Max BC CSI: 0.374
Max Web CSI: 0.118

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	415	/-	/-	/-	/-	/-
G	415	/-	/-	/-	/-	/-

J Brg Wid = 4.5 Min Req = 1.5 (Truss)
G Brg Wid = - Min Req = -
Bearing J is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-566	D - E	0	-565
C - D	0	-568			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	407	0	H - G	407	0
I - H	568	0			

Maximum Web Forces Per Ply (lbs)

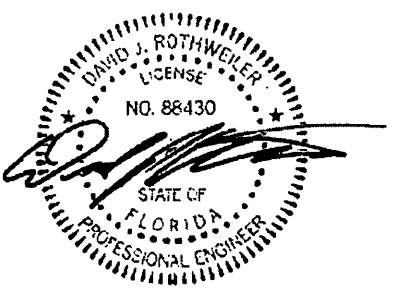
Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - B	0	-511	E - G	0	-511

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

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

Additional Notes
See detail STRBRIBR1014 for bracing and bridging recommendations.
Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.
Truss must be installed as shown with top chord up.

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

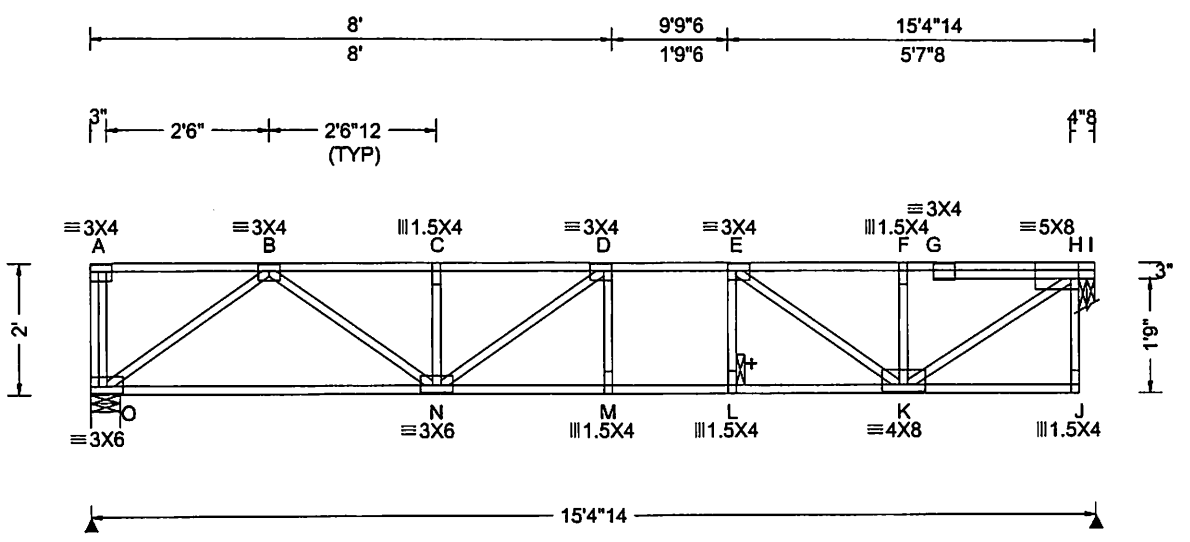


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****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: 75815 SY42 FROM:	Ply: 1 Qty: 10	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A14	Cust: R 9419 JRef: 1XUR94190004 T34 DrwNo: 317.23.0753.22073 / DJR 11/13/2023



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):	0.077 M	999	640
VERT(CL):	0.167 M	999	360
HORZ(LL):	0.019 B	-	-
HORZ(TL):	0.042 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.457
Max BC CSI: 0.618
Max Web CSI: 0.253

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	601	/-	/-	/-	/-	/-
H	587	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1082	E - F	0	-739
C - D	0	-1082	F - G	0	-719
D - E	0	-1129	G - H	0	-739

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	652	0	M - L	1129	0
N - M	1131	0	L - K	1126	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - B	0	-817	E - K	0	-506
B - N	532	0	K - H	896	0

Lumber

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

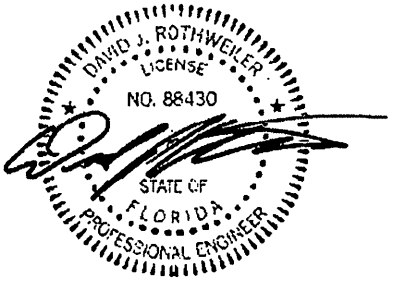
Additional Notes

+ 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.



11/13/2023 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

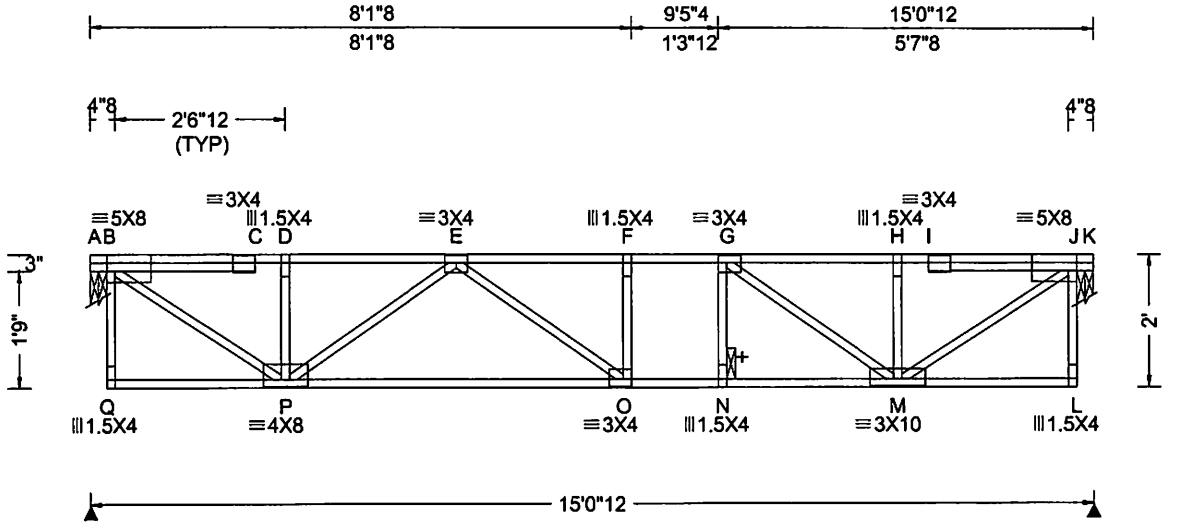
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 75816 SY42 FROM:	Ply: 1 Qty: 4	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A15	Cust: R 9419 JRef: 1XUR94190004 T10 DrwNo: 317.23.0753.24003 / DJR 11/13/2023



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): 0.077	F	999	640
VERT(CL): 0.154	F	999	360
HORZ(LL): -0.017	P	-	-
HORZ(TL): 0.034	P	-	-

Creep Factor: 2.0
Max TC CSI: 0.454
Max BC CSI: 0.526
Max Web CSI: 0.256

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
A	579	/-	/-	/-	/-	/-
J	579	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-748	F - G	0	-1106
C - D	0	-728	G - H	0	-726
D - E	0	-748	H - I	0	-707
E - F	0	-1104	I - J	0	-726

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	1050	0	N - M	1103	0
O - N	1106	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - P	906	0	M - J	880	0
G - M	0	-488			

Lumber

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

Additional Notes

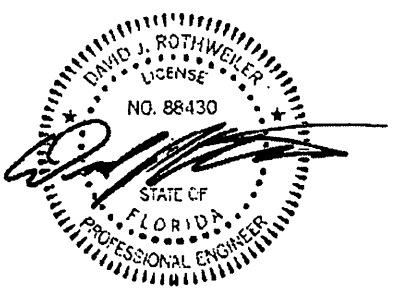
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.

Live Load

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



11/13/2023 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

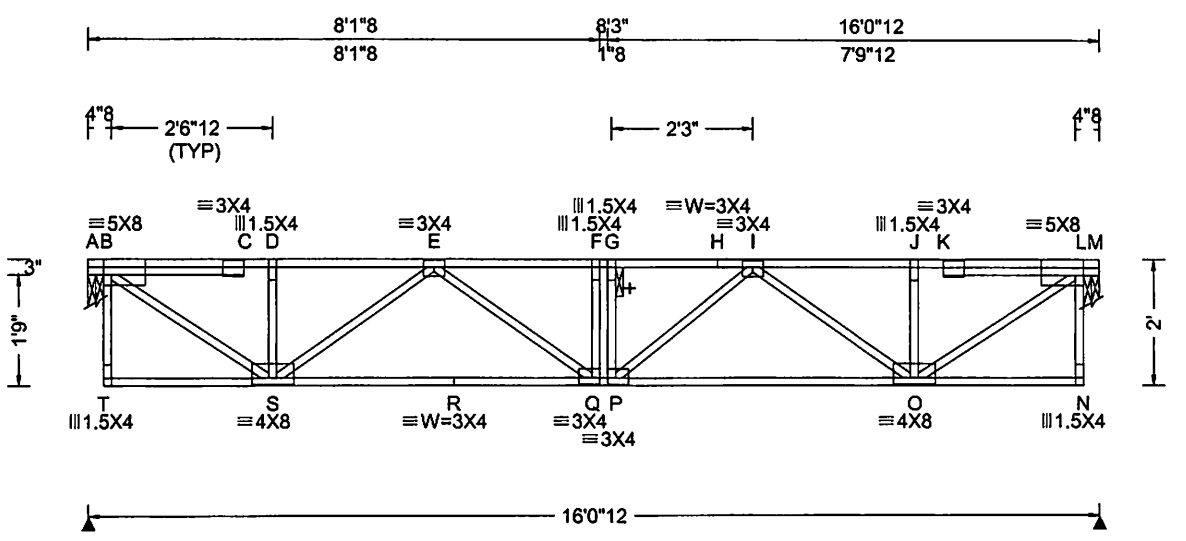
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 75817 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A16	Cust: R 9419 JRef: 1XUR94190004 T9 DrwNo: 317.23.0753.25340 / DJR 11/13/2023



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): 0.058	F	999	640
VERT(CL): 0.111	F	999	360
HORZ(LL): -0.014	L	-	-
HORZ(TL): 0.027	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.510
Max BC CSI: 0.455
Max Web CSI: 0.275

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	618	/-	/-	/-	/-	/-
L	618	/-	/-	/-	/-	/-

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.
B - C	0	-802	G - H	0	-1312
C - D	0	-782	H - I	0	-1312
D - E	0	-802	I - J	0	-801
E - F	0	-1313	J - K	0	-781
F - G	0	-1315	K - L	0	-801

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	1159	0	Q - P	1315	0
R - Q	1159	0	P - O	1158	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - S	973	0	I - O	0	-442
S - E	0	-442	O - L	972	0

Lumber

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

Additional Notes

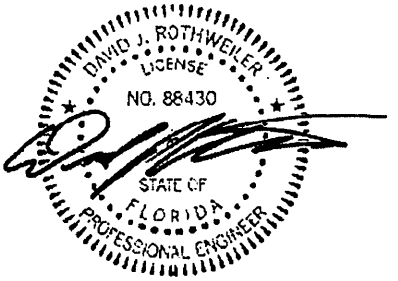
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.

Live Load

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



11/13/2023 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

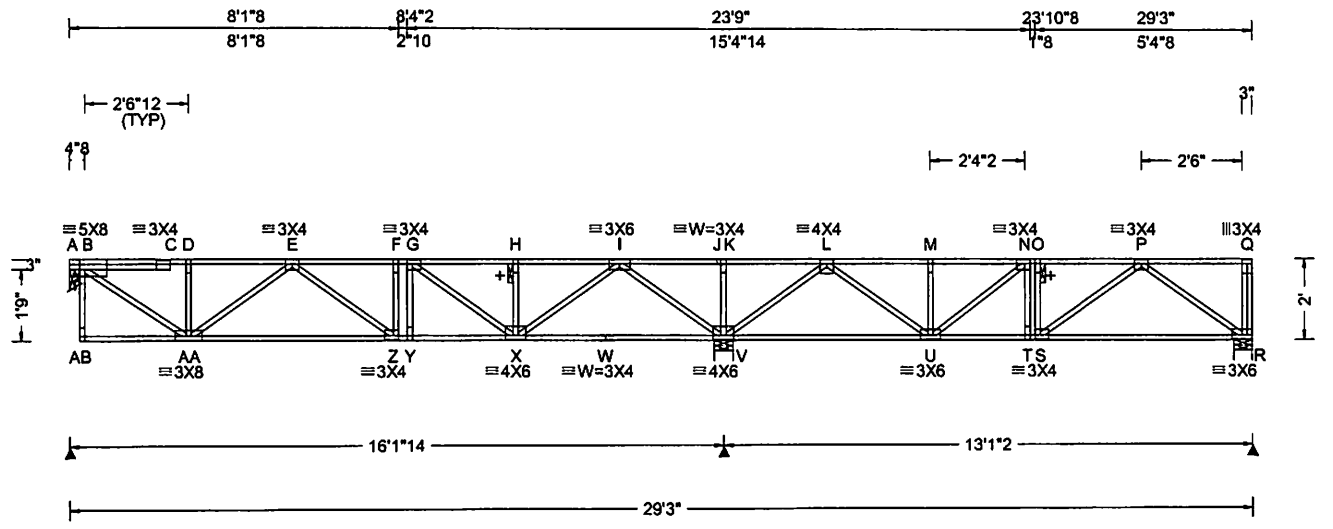
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 75818 SY42 FROM:	Ply: 1 Qty: 5	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A17	Cust: R 9419 JRef: 1XUR94190004 T3 DrwNo: 317.23.0753.30230 / DJR 11/13/2023



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): 0.042	Z	999	640
VERT(CL): 0.086	Z	999	360
HORZ(LL): -0.009	AA	-	-
HORZ(TL): 0.018	AA	-	-

Creep Factor: 2.0
Max TC CSI: 0.449
Max BC CSI: 0.375
Max Web CSI: 0.236

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	539	/-	/-	/-	/-	/-
V	1363	/-	/-	/-	/-	/-
R	428	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-678	I - J	893	0
C - D	0	-659	J - K	893	0
D - E	0	-678	K - L	893	0
E - F	0	-954	L - M	58	-478
F - G	0	-954	M - N	58	-478
G - H	0	-649	N - O	0	-596
H - I	0	-649	O - P	0	-595

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AA- Z	926	0	U - T	598	0
Z - Y	954	0	T - S	596	0
Y - X	953	0	S - R	425	0

Maximum Web Forces Per Ply (lbs)

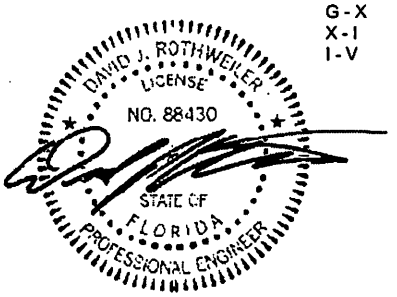
Webs	Tens.	Comp.	Webs	Tens.	Comp.
B -AA	822	0	V - L	0	-862
G - X	0	-426	L - U	586	0
X - I	749	0	P - R	0	-533
I - V	0	-1025			

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

Plating Notes
All plates are 1.5X4 except as noted.

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.

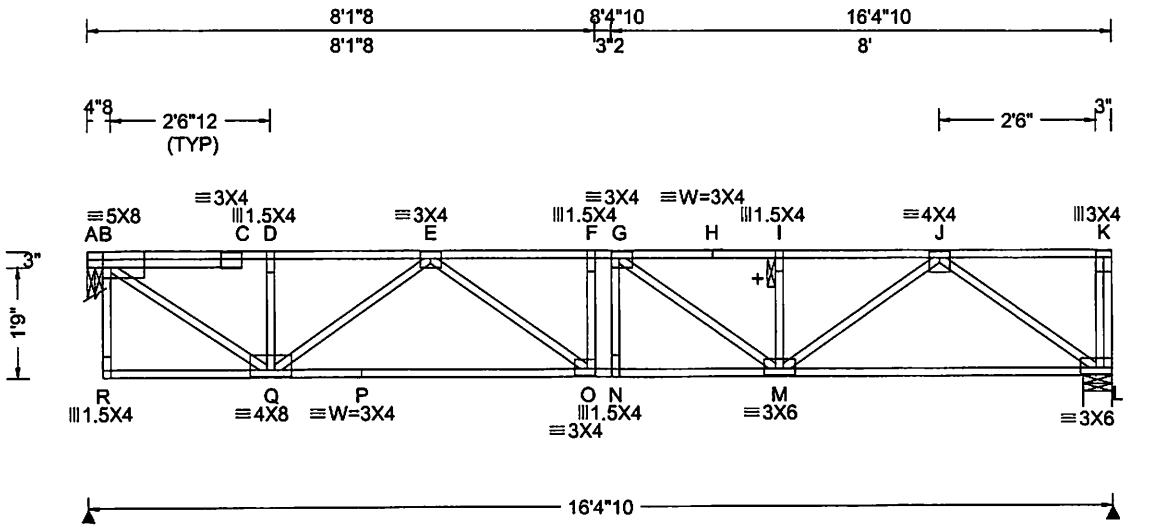


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

****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: 75819 SY42 FROM:	Ply: 1 Qty: 4	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A18	Cust: R 9419 JRef: 1XUR94190004 T4 DrwNo: 317.23.0753.32603 / DJR 11/13/2023



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): 0.055 F 999 640
BCLL:	0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.106 F 999 360
BCDL:	10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.013 J - -
Des Ld:	58.00	EXP: NA Kzt: NA		HORZ(TL): 0.024 J - -
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: 0.481
Spacing:	16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.279
		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)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
A	625	/-	/-	/-	/-	/-
L	639	/-	/-	/-	/-	/-

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)

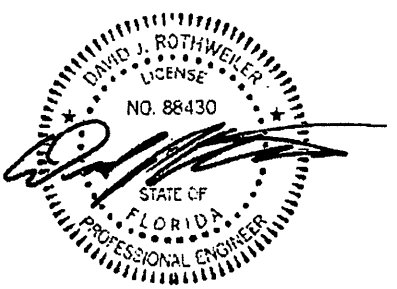
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-814	F - G	0	-1339
C - D	0	-794	G - H	0	-1172
D - E	0	-814	H - I	0	-1172
E - F	0	-1337	I - J	0	-1172

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	1181	0	N - M	1339	0
P - O	1181	0	M - L	702	0
O - N	1339	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - Q	987	0	M - J	583	0
Q - E	0	-455	J - L	0	-879



11/13/2023 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

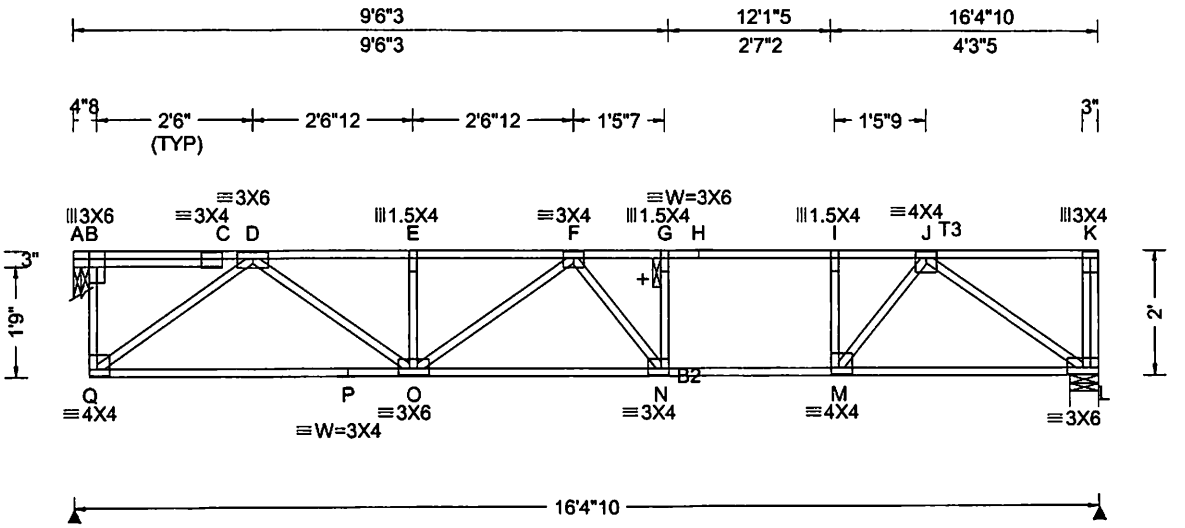
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 75836 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A19	Cust: R 9419 JRef: 1XUR94190004 T1 DrwNo: 317.23.0753.40270 / DJR 11/13/2023



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): 0.183	G	999	640
VERT(CL): 0.373	G	515	360
HORZ(LL): -0.037	Q	-	-
HORZ(TL): 0.075	Q	-	-

Creep Factor: 2.0
Max TC CSI: 0.650
Max BC CSI: 0.454
Max Web CSI: 0.223

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	625	/-	/-	/-	/-	/-
L	639	/-	/-	/-	/-	/-

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	-1213	G - H	0	-1160
E - F	0	-1213	H - I	0	-1160
F - G	0	-1164	I - J	0	-1146

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	771	0	N - M	1160	0
P - O	771	0	M - L	723	0
O - N	1309	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - B	585	0	I - M	0	-422
Q - D	0	-964	M - J	732	0
D - O	547	0	J - L	0	-906

Lumber

Top chord: 4x2 SPF #1/#2; T3 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SPF 1650f-1.5E;
B2 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2;

Deflection

Max JT VERT DEFL: LL: 0.18" DL: 0.21". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

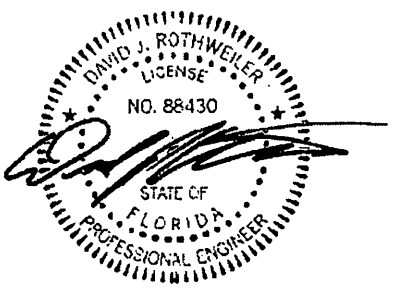
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

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.

Live Load

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



11/13/2023 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

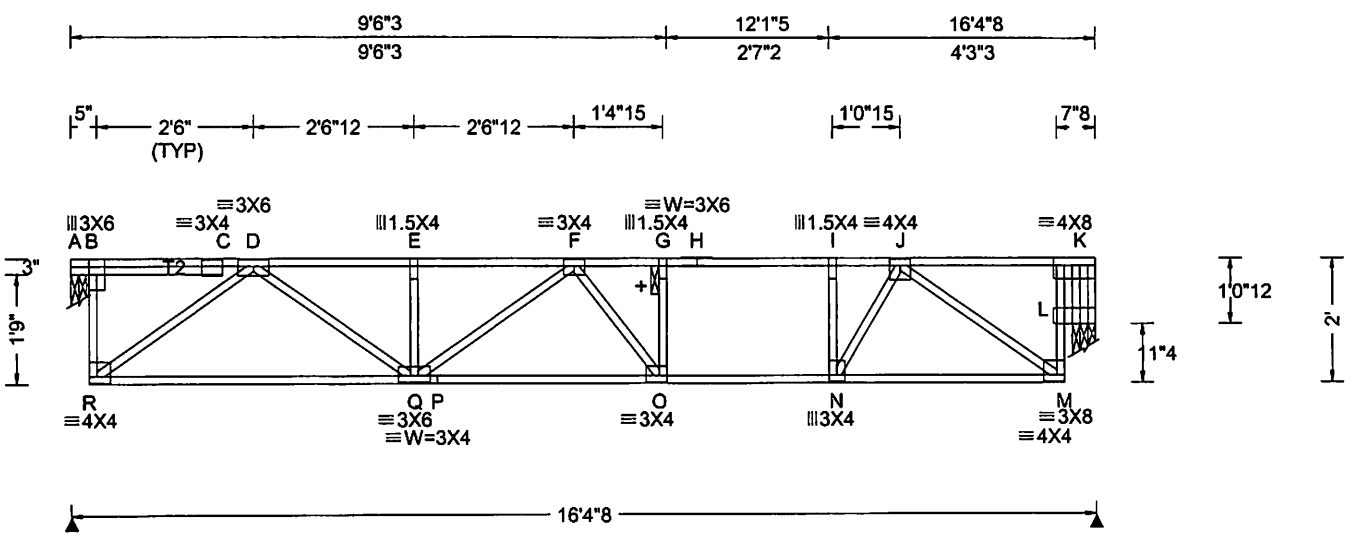
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 75834 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A19-A	Cust: R 9419 JRef: 1XUR94190004 T42 DrwNo: 317.23.0753.47893 / DJR 11/13/2023



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): 0.170	G	999	640
VERT(CL): 0.339	G	565	360
HORZ(LL): -0.032	R	-	-
HORZ(TL): 0.065	R	-	-

Creep Factor: 2.0
Max TC CSI: 0.582
Max BC CSI: 0.413
Max Web CSI: 0.533

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	624	/-	/-	/-	/-	/-
L	632	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
L Brg Wid = 4.5 Min Req = 1.5 (Support)
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	-1211	G - H	0	-1147
E - F	0	-1211	H - I	0	-1147
F - G	0	-1153	I - J	0	-1133

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	781	0	O - N	1147	0
Q - P	1308	0	N - M	813	0
P - O	1308	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - B	592	0	N - J	717	0
R - D	0	-976	J - M	0	-919
D - Q	533	0	L - M	528	0
I - N	0	-477	K - L	528	-404

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;
Rt Bearing Leg: 4x2 SPF #1/#2;

Additional Notes

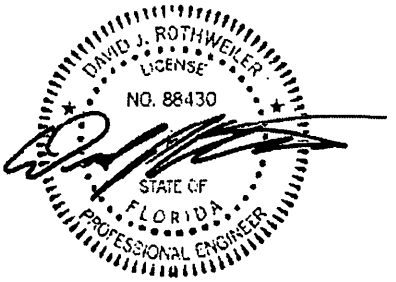
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

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.

Live Load

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



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

11/13/2023

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

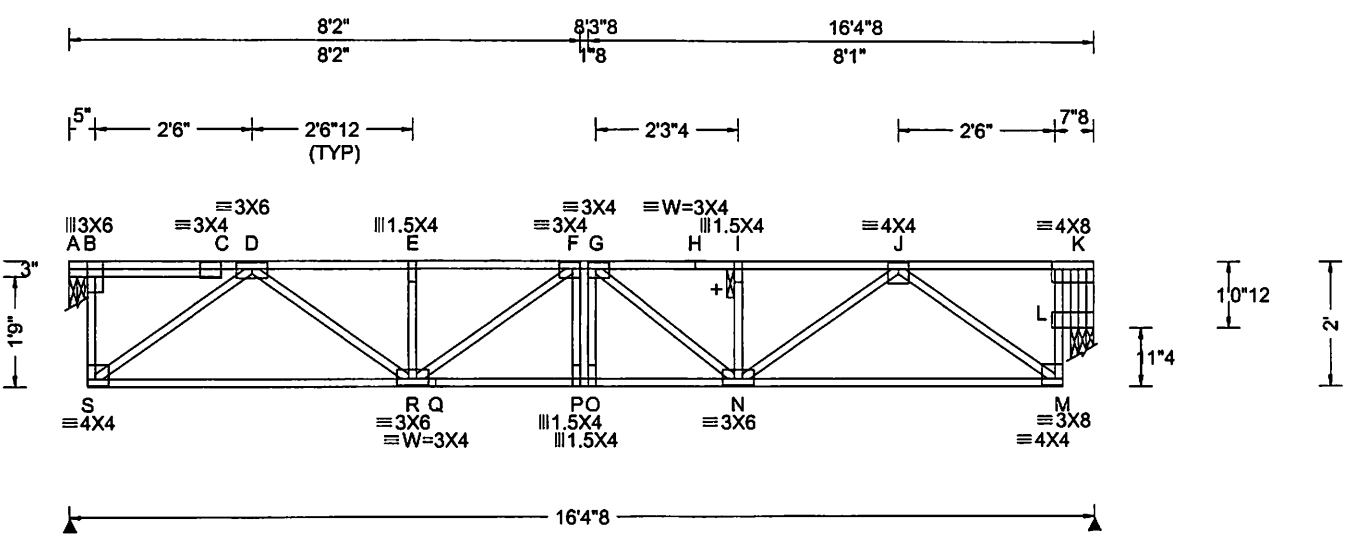
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 75822 SY42 FROM:	Ply: 1 Qty: 2	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** A20	Cust: R 9419 JRef: 1XUR94190004 T48 DrwNo: 317.23.0753.49493 / DJR 11/13/2023



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): 0.059	F	999	640
VERT(CL): 0.114	F	999	360
HORZ(LL): -0.012	S	-	-
HORZ(TL): 0.023	S	-	-

Creep Factor: 2.0
Max TC CSI: 0.343
Max BC CSI: 0.521
Max Web CSI: 0.544

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	624	/-	/-	/-	/-	/-
L	632	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
L Brg Wid = 4.5 Min Req = 1.5 (Support)
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	-1204	G - H	0	-1209
E - F	0	-1204	H - I	0	-1209
F - G	0	-1324	I - J	0	-1209

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	773	0	P - O	1324	0
R - Q	1324	0	O - N	1323	0
Q - P	1324	0	N - M	781	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - B	591	0	J - M	0	-878
S - D	0	-967	L - M	539	0
D - R	534	0	K - L	539	-408
N - J	530	0			

Lumber

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

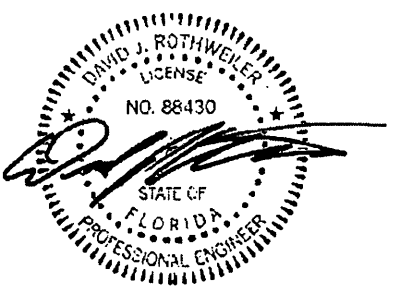
Additional Notes

+ 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.



11/13/2023 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.

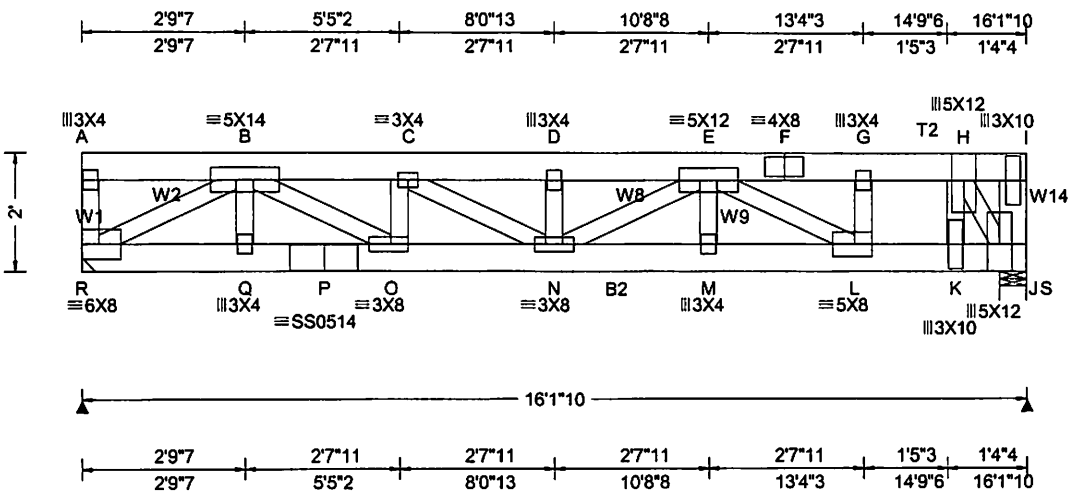
Alpine, a division of ITW Building Components Group Inc, shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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: 120368 FLAT FROM:	Ply: 2 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** G01	Cust: R 9419 JRef:1XUR94190004 T38 DrwNo: 317.23.0753.54253 / DJR 11/13/2023

2 Complete Trusses Required



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:10(0)/3(0)/1(0)
Plate Type(s):
WAVE, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.151	D	999	640
VERT(CL): 0.292	D	662	360
HORZ(LL): 0.034	A	-	-
HORZ(TL): 0.066	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.548
Max BC CSI: 0.778
Max Web CSI: 0.652

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
R	6319 /-	/-	/-	/-	/-
S	4781 /-	/-	/-	/-	/-
R	Brg Wid = -	Min Req = -			
S	Brg Wid = 5.5	Min Req = 2.0 (Truss)			

Bearing S is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-5261	E - F	0	-2690
C - D	0	-5750	F - G	0	-2690
D - E	0	-5750	G - H	0	-2653

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	3974	0	N - M	5332	0
Q - P	3974	0	M - L	5332	0
P - O	3974	0	L - K	2653	0
O - N	5406	0	K - J	2502	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - R	0	-913	N - E	484	0
R - B	0	-4513	E - L	0	-3105
B - O	1513	0	L - G	403	0
O - C	0	-778	K - H	1597	0
C - N	405	0	H - J	0	-4327
D - N	0	-502	I - J	542	0

Lumber

Top chord: 2x6 SP 1650f-1.5E;
T2 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 1650f-1.5E;
B2 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2; W1,W2,W8,
W9 2x4 SP 2400f-2.0E; W14 2x6 SPF #1/#2;

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 2 Rows @ 4.00" o.c. (Each Row)
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

-----(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 32 plf at 0.00 to 32 plf at 16.14
BC: From 7 plf at 0.00 to 7 plf at 16.14
TC: 1338 lb Conc. Load at 0.47, 1.30, 2.64
TC: 592 lb Conc. Load at 3.97, 5.30
TC: 562 lb Conc. Load at 6.64, 7.97, 9.30,10.64 14.64
TC: 946 lb Conc. Load at 11.97,13.30
TC: 573 lb Conc. Load at 15.97

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

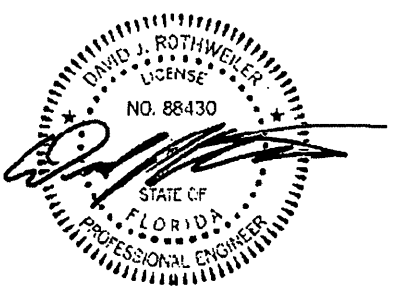
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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.



11/13/2023 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.

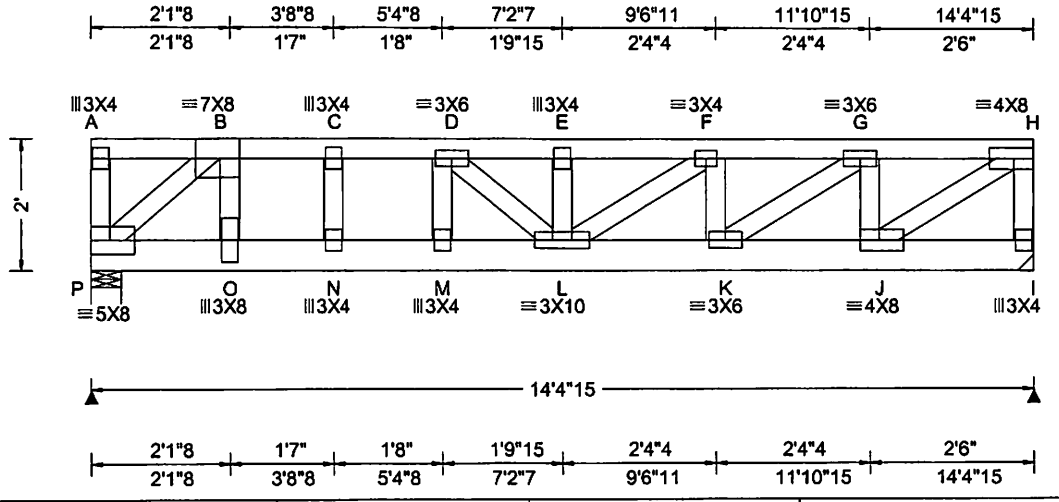
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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: 120309 FLAT FROM:	Ply: 3 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** G02	Cust: R 9419 JRef: 1XUR94190004 T5 DrwNo: 317.23.0753.56830 / DJR 11/13/2023

3 Complete Trusses Required



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:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.108	D	999	640
VERT(CL): 0.209	D	826	360
HORZ(LL): -0.014	H	-	-
HORZ(TL): 0.028	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.312
Max BC CSI: 0.506
Max Web CSI: 0.520

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
P	3989 /-	/-	/-	/-	/-
I	3993 /-	/-	/-	/-	/-

P Brg Wid = 5.5 Min Req = 1.5 (Truss)
I Brg Wid = - Min Req = -
Bearing P is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-2105	E - F	0	-2876
C - D	0	-2105	F - G	0	-2496
D - E	0	-2876	G - H	0	-1526

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	1987	0	M - L	2149	0
O - N	2105	0	L - K	2601	0
N - M	2105	0	K - J	1720	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - B	0	-2569	F - K	0	-598
B - O	1318	0	K - G	988	0
M - D	0	-494	G - J	0	-1097
D - L	1010	0	J - H	1843	0
E - L	0	-510	H - I	0	-1285

Lumber

Top chord: 2x4 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2;

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @ 4.00" o.c.
Bot Chord: 1 Row @ 5.75" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 64 plf at 0.00 to 64 plf at 14.41
BC: From 13 plf at 0.00 to 13 plf at 14.41
TC: 886 lb Conc. Load at 7.37
TC: 591 lb Conc. Load at 8.71,10.04,11.37,12.71 14.04
BC: 720 lb Conc. Load at 0.71, 2.12, 3.71
BC: 865 lb Conc. Load at 5.38

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

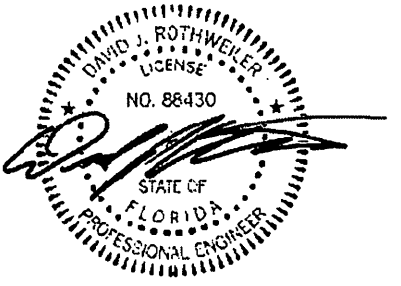
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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.



11/13/2023 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.

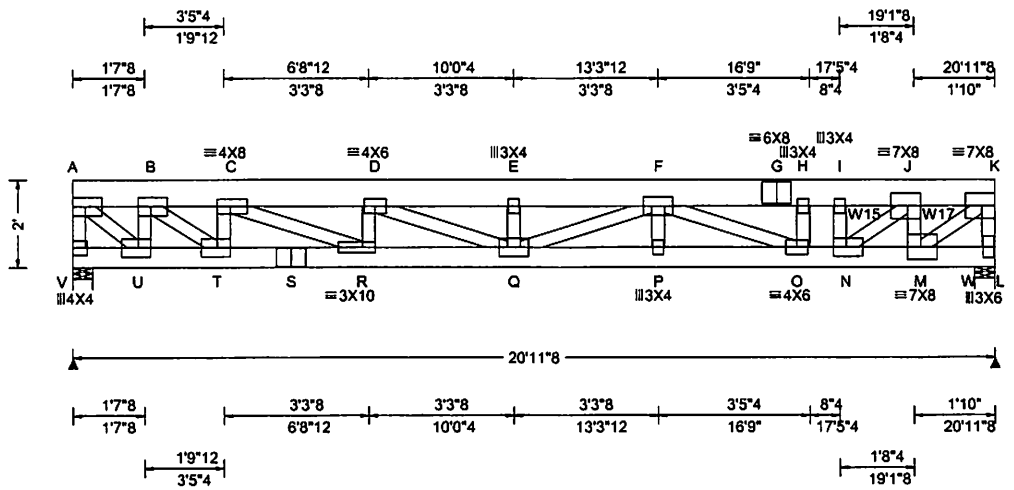
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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: 120346 FLAT FROM:	Ply: 2 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** G03	Cust: R 9419 JRef: 1XUR94190004 T52 DrwNo: 317.23.0754.00227 / DJR 11/13/2023

2 Complete Trusses Required



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:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.211 E	999	640
VERT(CL):	0.408 E	616	360
HORZ(LL):	0.036 A	-	-
HORZ(TL):	0.070 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.499
Max BC CSI: 0.673
Max Web CSI: 0.651

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
V	3542 / -	/ -	/ -	/ -	/ -
W	5098 / -	/ -	/ -	/ -	/ -

V Brg Wid = 5.5 Min Req = 1.5 (Truss)
W Brg Wid = 5.5 Min Req = 2.1 (Truss)
Bearings V & 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.
A - B	0	-1642	F - G	0	-5714
B - C	0	-3507	G - H	0	-5714
C - D	0	-5794	H - I	0	-5703
D - E	0	-7081	I - J	0	-5519
E - F	0	-7081	J - K	0	-2653

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	1978	0	Q - P	7109	0
T - S	3787	0	P - O	7109	0
S - R	3787	0	O - N	5703	0
R - Q	5993	0	N - M	3152	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - V	0	-1711	E - Q	0	-494
A - U	2305	0	Q - F	273	-456
U - B	0	-1722	F - O	113	-1539
B - T	2125	0	I - N	0	-1858
T - C	0	-1438	N - J	3436	0
C - R	2235	0	J - M	0	-2566
R - D	0	-1023	M - K	3506	0
D - Q	1201	0	K - L	0	-2481

Lumber

Top chord: 2x8 SP #1;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2; W15,W17 2x4 SP 2400f-2.0E;

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @ 3.25" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

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

TC: From 64 plf at 0.00 to 64 plf at 1.63
TC: From 32 plf at 1.63 to 32 plf at 20.96
BC: From 13 plf at 0.00 to 13 plf at 1.63
BC: From 7 plf at 1.63 to 7 plf at 20.96
TC: 380 lb Conc. Load at 1.63, 2.96, 4.29
TC: 197 lb Conc. Load at 5.63
TC: 471 lb Conc. Load at 6.96, 8.29
TC: 365 lb Conc. Load at 9.63,10.96,12.29,13.63 14.96,16.29,17.63,18.96,20.29
TC: 2200 lb Conc. Load at 17.02

Plating Notes

All plates are 5X8 except as noted.

Purlins

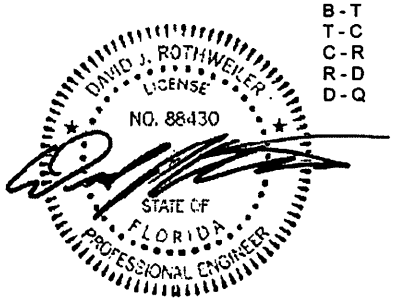
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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.



11/13/2023 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

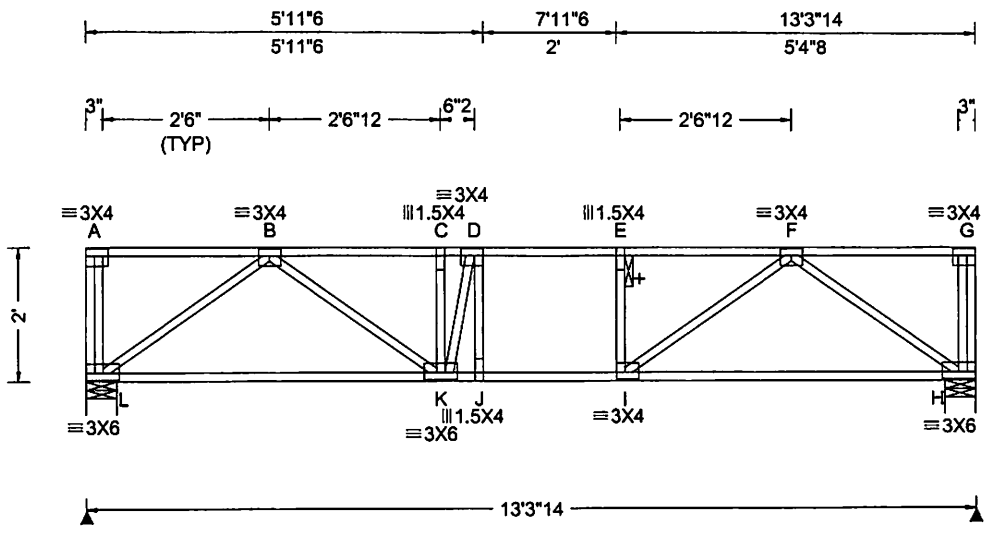
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 75825 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** G04	Cust: R 9419 JRef: 1XUR94190004 T28 DrwNo: 317.23.0754.03017 / DJR 11/13/2023



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): 0.026	D	999	640
VERT(CL): 0.067	D	999	360
HORZ(LL): 0.008	B	-	-
HORZ(TL): 0.020	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.265
Max BC CSI: 0.393
Max Web CSI: 0.156

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	515	/-	/-	/-	/-	/-
H	515	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-838	D - E	0	-838
C - D	0	-838	E - F	0	-833

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	541	0	J - I	838	0
K - J	840	0	I - H	539	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - B	0	-677	F - H	0	-675
I - F	383	0			

Lumber

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

Additional Notes

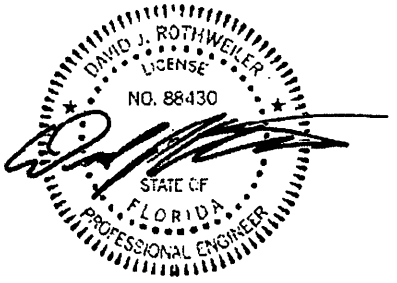
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.

Live Load

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



11/13/2023 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

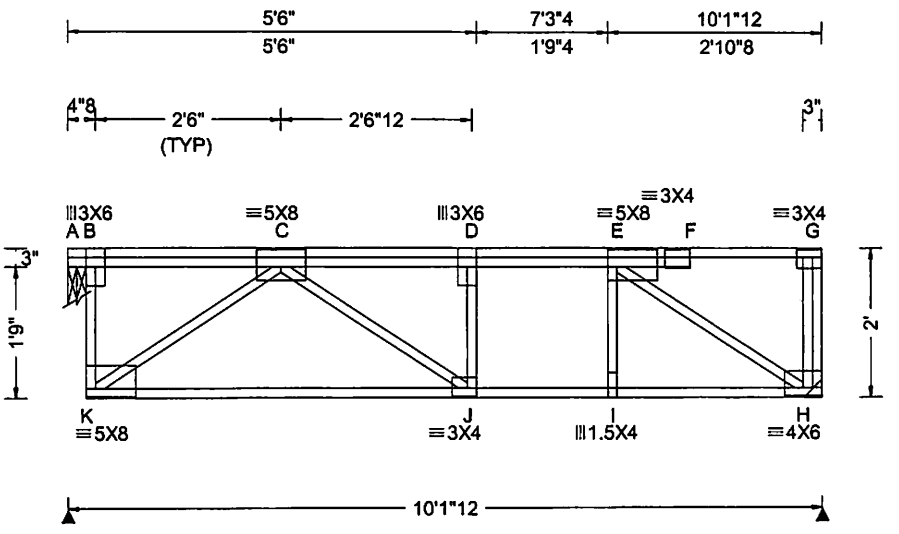
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 75826 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** G05	Cust: R 9419 JRef: 1XUR94190004 T7 DrwNo: 317.23.0754.07717 / DJR 11/13/2023



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): 0.161	D	729	640
VERT(CL): 0.207	D	565	360
HORZ(LL): -0.045	K	-	-
HORZ(TL): 0.058	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.800
Max BC CSI: 0.701
Max Web CSI: 0.297

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	885	/-	/-	/-	/-	/-
H	911	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	0	-1069	D - E	0	-1071

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	1015	0	I - H	1067	0
J - I	1071	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - B	752	0	E - H	0	-1322
K - C	0	-1255			

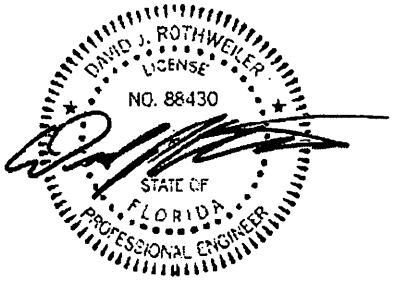
Lumber
Top chord: 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

Special Loads
——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 164 plf at -0.25 to 164 plf at 9.90
BC: From 13 plf at 0.00 to 13 plf at 9.90

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

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.



11/13/2023 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

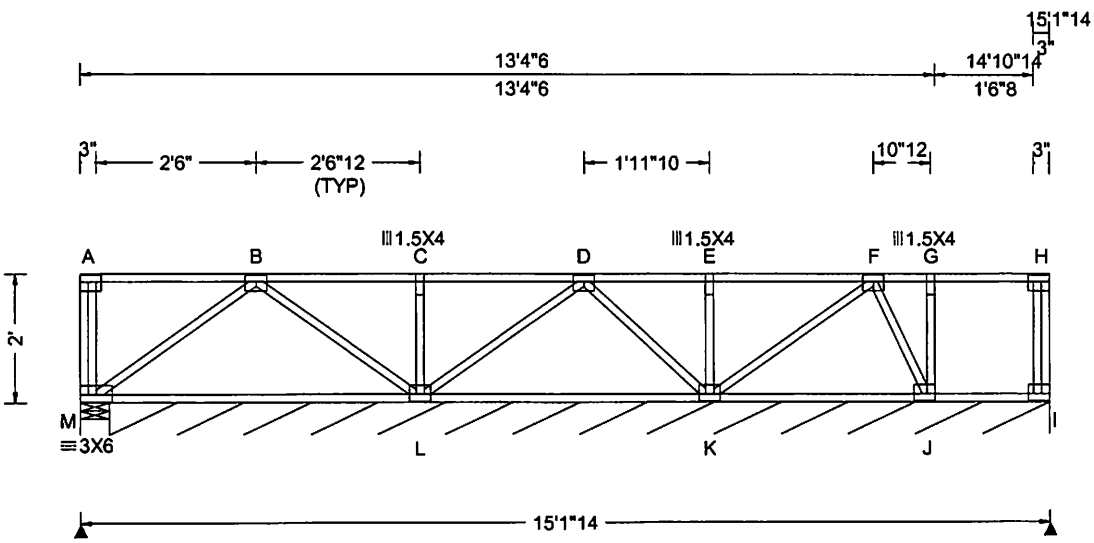
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 120302 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** G06	Cust: R 9419 JRef: 1XUR94190004 T40 DrwNo: 317.23.0754.09417 / DJR 11/13/2023



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): 0.002 B 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.003 B 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.001 J - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.001 J - -
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: 0.479
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.171
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.059
	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), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	194	/-	/-	/-	/-	/-
I*	95	/-	/-	/-	/-	/-

M Brg Wid = 5.5 Min Req = 1.5 (Truss)
I Brg Wid = 176 Min Req = -
Bearings M & M are a rigid surface.
Members not listed have forces less than 375#

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	12.82
TC: From	117 plf at	12.82 to	117 plf at	15.16
BC: From	13 plf at	0.00 to	13 plf at	15.16

TC: 299 lb Conc. Load at 10.88

Plating Notes

All plates are 3X4 except as noted.

Additional Notes

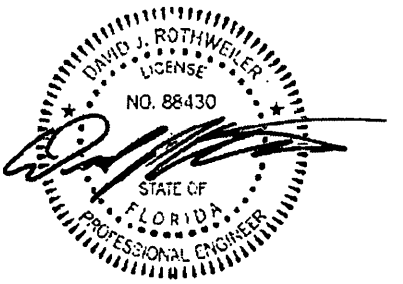
See detail STRBRIBR1014 for bracing and bridging recommendations.

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.

Live Load

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



11/13/2023 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

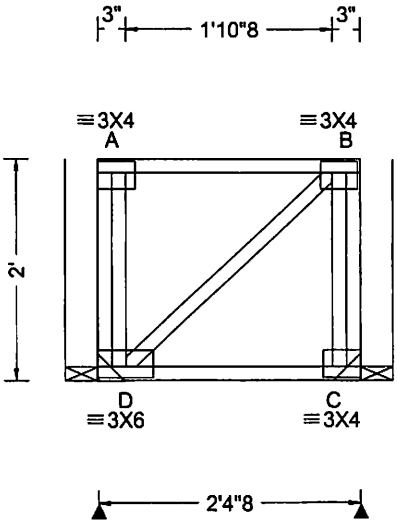
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 75828 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-VILLA-F2-REV-2 Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D **Truss Label:** G07	Cust: R 9419 JRef: 1XUR94190004 T55 DrwNo: 317.23.0754.15860 / DJR 11/13/2023



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): 0.001 B 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.002 B 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.001 B - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.002 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: 0.630
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.049
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.044
	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
D	299	/-	/-	/-	/-	/-
C	299	/-	/-	/-	/-	/-

D Brg Wid = - Min Req = -
C Brg Wid = - Min Req = -
Members not listed have forces less than 375#

Lumber

Top chord: 4x2 SP 2400f-2.0E;
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	2.37
BC: From	13 plf at	0.00 to	13 plf at	2.37

TC: 415 lb Conc. Load at 1.19

Hangers / Ties

(J) Hanger Support Required, by others

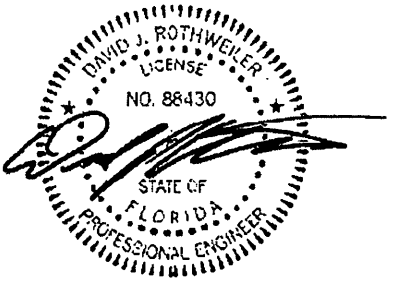
Additional Notes

Deflection estimate assumes composite action with single layer of the appropriate span rated glue-nailed wood sheathing.

Truss must be installed as shown with top chord up.

Live Load

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



11/13/2023 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

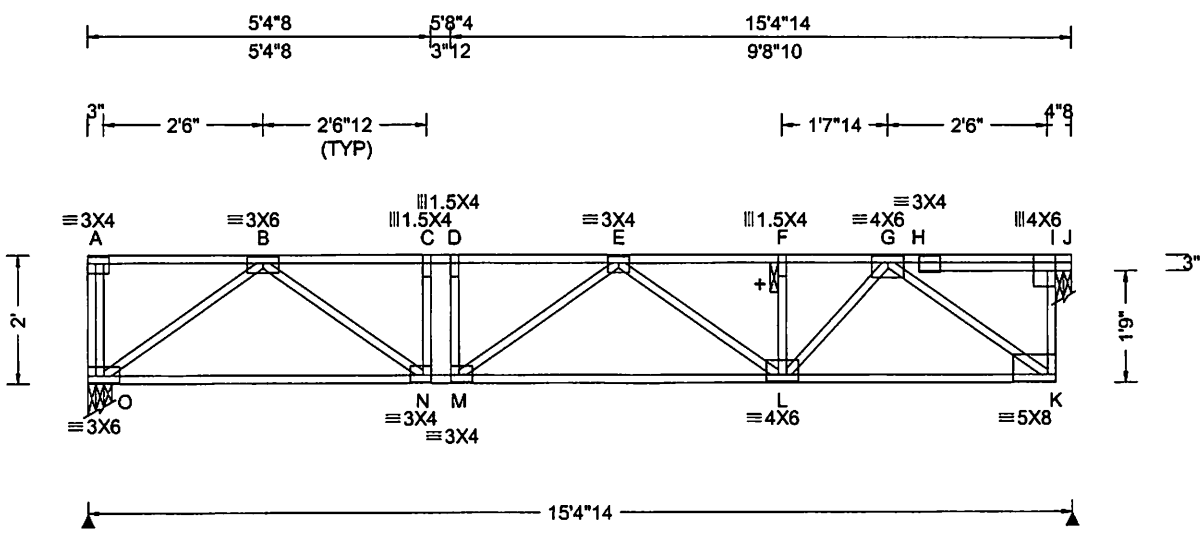
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 75829 SY42	Ply: 1	Job Number: KTQ23455-BLDG-VILLA-F2-REV-2	Cust: R 9419 JRef: 1XUR94190004 T51
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-VILLA-F2-RE Job Description:Florida job-BLDG-VILLA-2n D	DrwNo: 317.23.0752.05160
		Truss Label: G08	/ DJR 11/13/2023



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): 0.071	E	999	640
VERT(CL): 0.127	E	999	360
HORZ(LL): 0.016	K	-	-
HORZ(TL): 0.028	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.532
Max BC CSI: 0.641
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
O	696	/-	/-	/-	/-	/-
I	916	/-	/-	/-	/-	/-

O Brg Wid = 4.5 Min Req = 1.5 (Truss)
I Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings O & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1345	E - F	0	-1528
C - D	0	-1354	F - G	0	-1528
D - E	0	-1358			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	781	0	M - L	1581	0
N - M	1354	0	L - K	1098	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - B	0	-978	G - K	0	-1373
B - N	704	0	I - K	819	0
L - G	650	0			

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 0.33 to 64 plf at 13.41
TC: From 117 plf at 13.41 to 117 plf at 15.74
BC: From 13 plf at 0.33 to 13 plf at 15.49
TC: 299 lb Conc. Load at 11.25

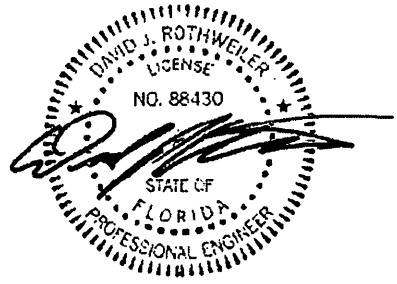
Additional Notes

+ 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.



11/13/2023 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

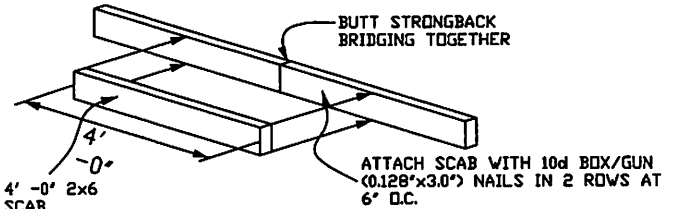
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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

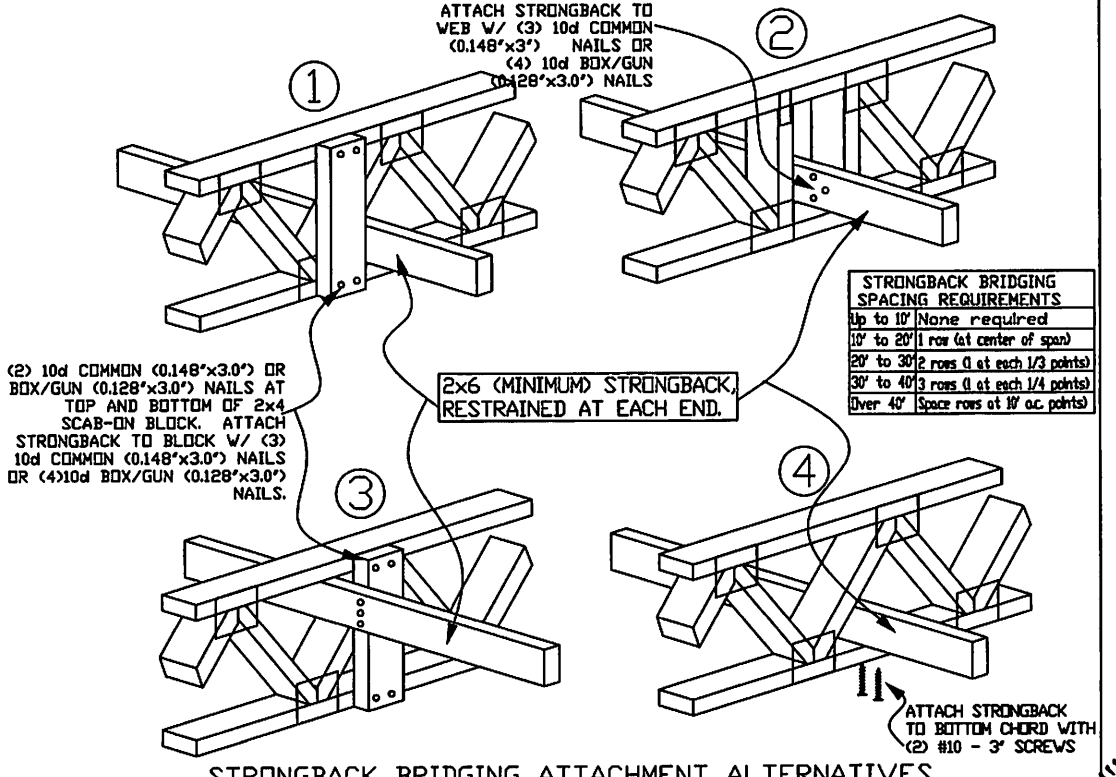
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

STRONGBACK BRIDGING RECOMMENDATIONS



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 Sec.2.

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

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		

11/13/2023

FL REQ# 278, David 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.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org

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

11/13/2023

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

REF	DEFLEC/CAMB
DATE	10/01/14
DRWG	DEFLCAMB1014