

ALPINE
AN ITW COMPANY

11/17/2023

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

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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-EMERALD-F2-Rev-2
Job Description: Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D	
Address: EMERALD MASTER PARCEL ID: XXX GLADES COUNTY, FL	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res.	*IntelliVIEW Version:* 22.02.00 *JRef #:* 1XUU94190008
Wind Standard: STDLC_NONE *Wind Speed (mph):* 0 *Building Type:*	*Design Loading (psf):* 58.00

This package contains general notes pages, 21 truss drawing(s) and 4 detail(s).

Item	Drawing Number	Truss
1	321.23.0854.16760	A01
3	321.23.0854.20540	A03
5	321.23.0854.24713	A05
7	321.23.0854.27647	A07
9	321.23.0854.31637	A09
11	321.23.0854.35230	A11
13	321.23.0854.38587	A13
15	321.23.0854.41530	A15
17	321.23.0854.44947	G01
19	321.23.0854.49503	G03
21	321.23.0854.14797	G05
23	STRBRIBR1014	
25	LSCSYX2A1014	

Item	Drawing Number	Truss
2	321.23.0854.18667	A02
4	321.23.0854.22787	A04
6	321.23.0854.25830	A06
8	321.23.0854.29967	A08
10	321.23.0854.33347	A10
12	321.23.0854.36720	A12
14	321.23.0854.40200	A14
16	321.23.0854.43010	A16
18	321.23.0854.47380	G02
20	321.23.0854.52990	G04
22	DEFLCAMB1014	
24	CNSY42PL0118	

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.

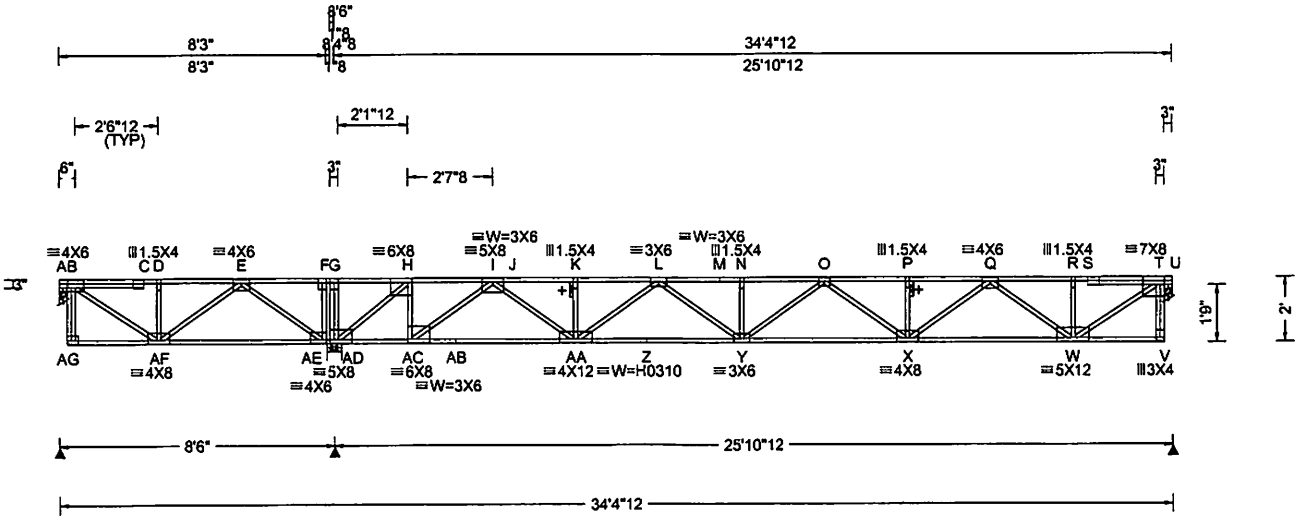
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze 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: 89403 SY42 FROM:	Ply: 1 Qty: 2	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** A01	Cust: R 9419 JRef: 1XUU94190008 T20 DrwNo: 321.23.0854.16760 / DJR 11/17/2023



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.262 N 999 640
BCLL:	0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.455 N 678 360
BCDL:	10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.022 T - -
Des Ld:	58.00	EXP: NA Kzt: NA		HORZ(TL): 0.038 T - -
NCBCLL:	10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit:	0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.603
Load Duration:	1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.392
Spacing:	16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.438
		C&C Dist a: NA ft	FT/RT:12(0)/10(0)	
		Loc. from endwall: NA	Plate Type(s):	
		I: NA GCpi: NA	WAVE, HS	VIEW Ver: 22.02.00.0914.21
		Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 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	9.94
TC: From	117 plf at	9.94 to	117 plf at	12.35
TC: From	64 plf at	12.35 to	64 plf at	16.06
TC: From	117 plf at	16.06 to	117 plf at	17.90
TC: From	64 plf at	17.90 to	64 plf at	18.43
TC: From	117 plf at	18.43 to	117 plf at	21.44
TC: From	64 plf at	21.44 to	64 plf at	34.40
BC: From	13 plf at	0.25 to	13 plf at	34.15

Plating Notes

All plates are 3X4 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.26" DL: 0.21". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

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

Negative reaction(s) of -300# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Truss must be installed as shown with top chord up.

Live Load

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

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	142	/-300	/-	/-	/-	/-
AE	2218	/-	/-	/-	/-	/-
T	968	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

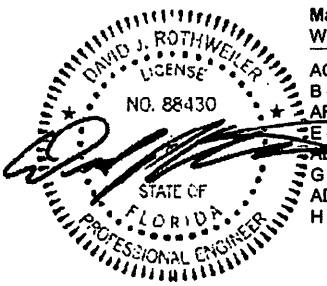
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	552	-61	K - L	0	-2086
C - D	550	-52	L - M	0	-3184
D - E	552	-61	M - N	0	-3184
E - F	1956	0	N - O	0	-3184
F - G	1970	0	O - P	0	-2810
G - H	1991	0	P - Q	0	-2810
H - I	471	0	Q - R	0	-1378
I - J	0	-2086	R - S	0	-1350
J - K	0	-2086	S - T	0	-1378

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AF-AE	0	-1193	AA- Z	2838	0
AE-AD	0	-1970	Z - Y	2838	0
AD-AC	0	-540	Y - X	3107	0
AC-AB	946	0	X - W	2185	0
AB-AA	946	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AG- B	457	-440	AC- I	0	-1727
B -AF	52	-637	I -AA	1418	0
AF- E	815	0	AA- L	0	-937
E -AE	0	-1147	L - Y	442	0
E - F	429	0	X - Q	775	0
G -AD	0	-627	Q - W	0	-1001
AD- H	0	-1938	W - T	1554	0
H -AC	1035	0	T - V	964	-959



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

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

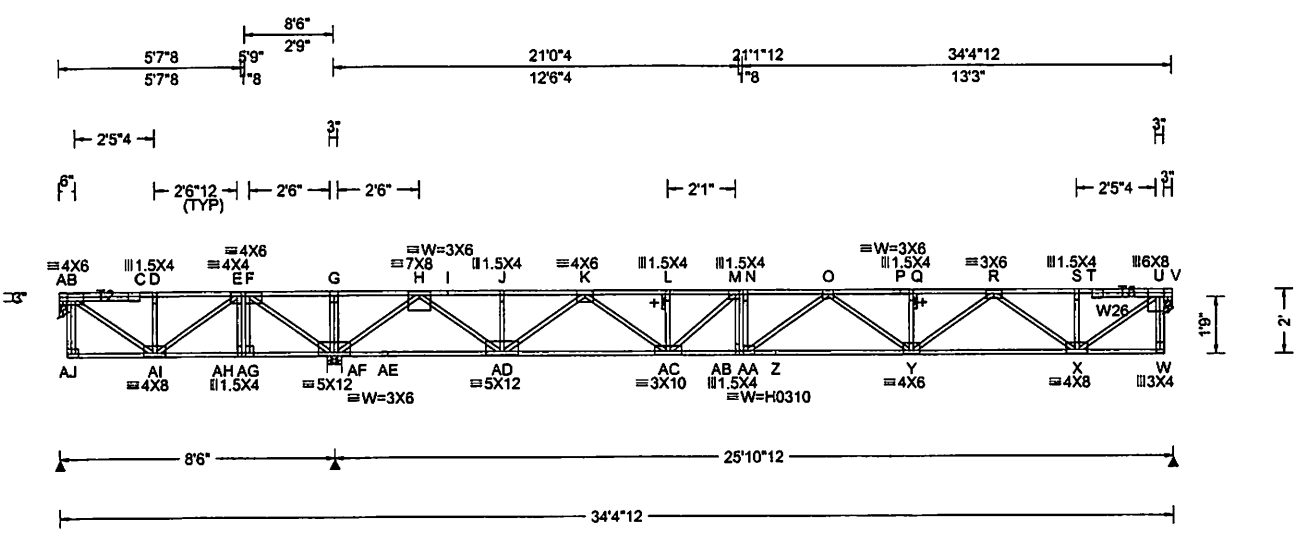
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 89404 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** A02	Cust: R 9419 JRef: 1XUU94190008 T6 DrwNo: 321.23.0854.18667 / DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.230 AA 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.445 AA 694 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.022 U - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.043 U - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.609
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.632
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.443
	C&C Dist a: NA ft	FT/RT:12(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE, HS	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	122	/-240	/-	/-	/-	/-
AF	2004	/-	/-	/-	/-	/-
U	883	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AF Brg Wid = 5.5 Min Req = 1.5 (Truss)
U Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AF, & 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.
B - C	434	-34	L - M	0	-2285
C - D	433	-25	M - N	0	-2568
D - E	434	-34	N - O	0	-2569
E - F	1027	0	O - P	0	-2427
F - G	1866	0	P - Q	0	-2427
G - H	1866	0	Q - R	0	-2427
H - I	0	-878	R - S	0	-1198
I - J	0	-878	S - T	0	-1174
J - K	0	-878	T - U	0	-1198
K - L	0	-2285			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AI-AH	0	-1018	AC-AB	2566	0
AH-AG	0	-1027	AB-AA	2568	0
AG-AF	0	-1036	AA- Z	2621	0
AF-AE	0	-425	Z - Y	2621	0
AE-AD	0	-425	Y - X	1907	0
AD-AC	1698	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A-B	422	-397	AD- K	0	-1029
B -AI	23	-502	K -AC	736	0
AI- E	798	0	AC- M	0	-478
AG- F	375	0	Y - R	645	0
F -AF	0	-1128	R - X	0	-878
AF- H	0	-1918	X - U	1359	0
H -AD	1433	0	U - W	946	-944

Lumber

Top chord: 4x2 SPF 1650f-1.5E; T2,
T5 4x2 SPF #1/#2;
Bot chord: 4x2 SPF 1650f-1.5E;
Webs: 4x2 SPF #1/#2; W26 4x2 SP 2400f-2.0E;

Special Loads

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

TC: From	64 plf at	0.00 to	64 plf at	9.94
TC: From	117 plf at	9.94 to	117 plf at	12.35
TC: From	64 plf at	12.35 to	64 plf at	34.40
BC: From	13 plf at	0.25 to	13 plf at	34.15

Plating Notes

All plates are 3X4 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.23" DL: 0.24". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

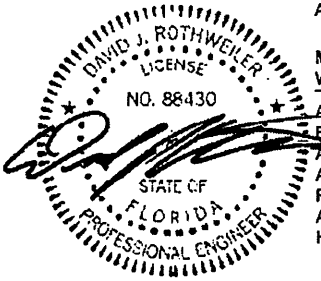
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Negative reaction(s) of -240# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Truss must be installed as shown with top chord up.

Live Load

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

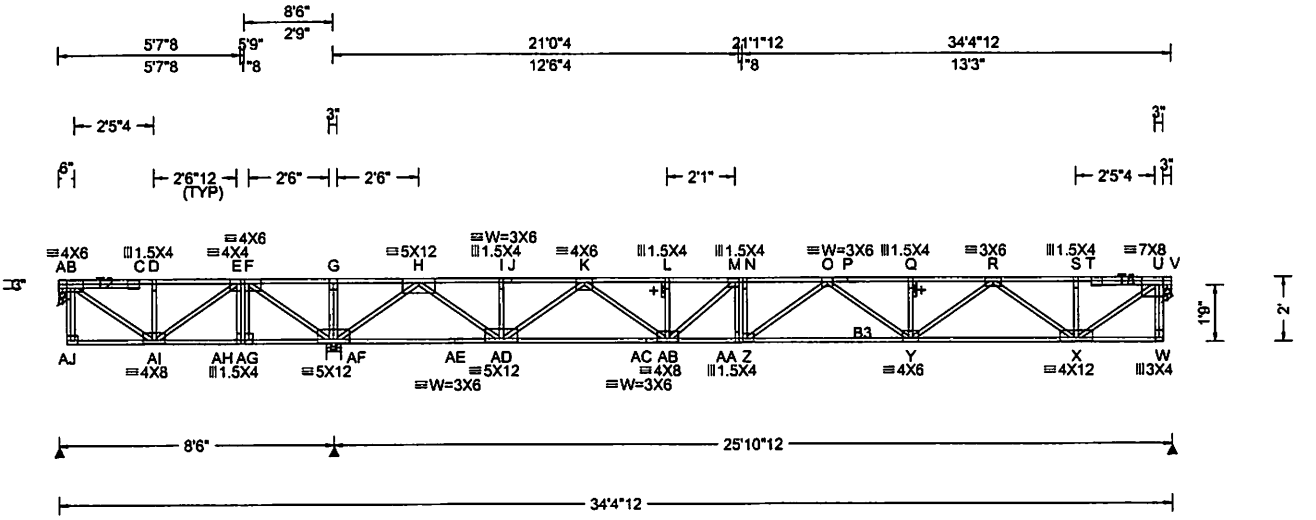


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have 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: 89405 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** A03	Cust: R 9419 JRef: 1XUU94190008 T13 DrwNo: 321.23.0854.20540 / DJR 11/17/2023



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

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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.232	Z	999	640
VERT(CL): 0.450	Z	687	360
HORZ(LL): -0.018	U	-	-
HORZ(TL): 0.034	U	-	-

Creep Factor: 2.0
Max TC CSI: 0.407
Max BC CSI: 0.707
Max Web CSI: 0.473

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	125	/-265	/-	/-	/-	/-
AF	2108	/-	/-	/-	/-	/-
U	914	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AF Brg Wid = 5.5 Min Req = 1.5 (Truss)
U Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AF, & 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.
B - C	472	-39	L - M	0	-2557
C - D	471	-30	M - N	0	-2789
D - E	472	-39	N - O	0	-2790
E - F	1100	0	O - P	0	-2562
F - G	1974	0	P - Q	0	-2562
G - H	1974	0	Q - R	0	-2562
H - I	0	-984	R - S	0	-1246
I - J	0	-984	S - T	0	-1220
J - K	0	-984	T - U	0	-1246
K - L	0	-2557			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AI-AH	0	-1093	AC-AB	1922	0
AH-AG	0	-1100	AB-AA	2788	0
AG-AF	0	-1108	AA- Z	2789	0
AF-AE	0	-407	Z - Y	2799	0
AE-AD	0	-407	Y - X	1997	0
AD-AC	1922	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AJ- B	423	-398	K -AB	791	0
B -AI	31	-548	AB- M	0	-474
AI- E	832	0	Y - R	700	0
F -AF	0	-1170	R - X	0	-930
AF- H	0	-2050	X - U	1420	0
H -AD	1566	0	U - W	938	-935
AD- K	0	-1166			

Lumber

Top chord: 4x2 SP 2400f-2.0E; T2,
T5 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2; B3 4x2 SPF 1650f-1.5E;
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	9.94
TC: From	117 plf at	9.94 to	117 plf at	12.35
TC: From	64 plf at	12.35 to	64 plf at	16.71
TC: From	117 plf at	16.71 to	117 plf at	18.79
TC: From	64 plf at	18.79 to	64 plf at	34.40
BC: From	13 plf at	0.25 to	13 plf at	34.15

Plating Notes

All plates are 3X4 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.23" DL: 0.24". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

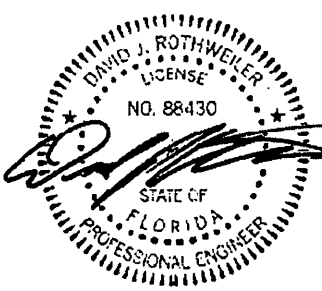
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Negative reaction(s) of -265# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Truss must be installed as shown with top chord up.

Live Load

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

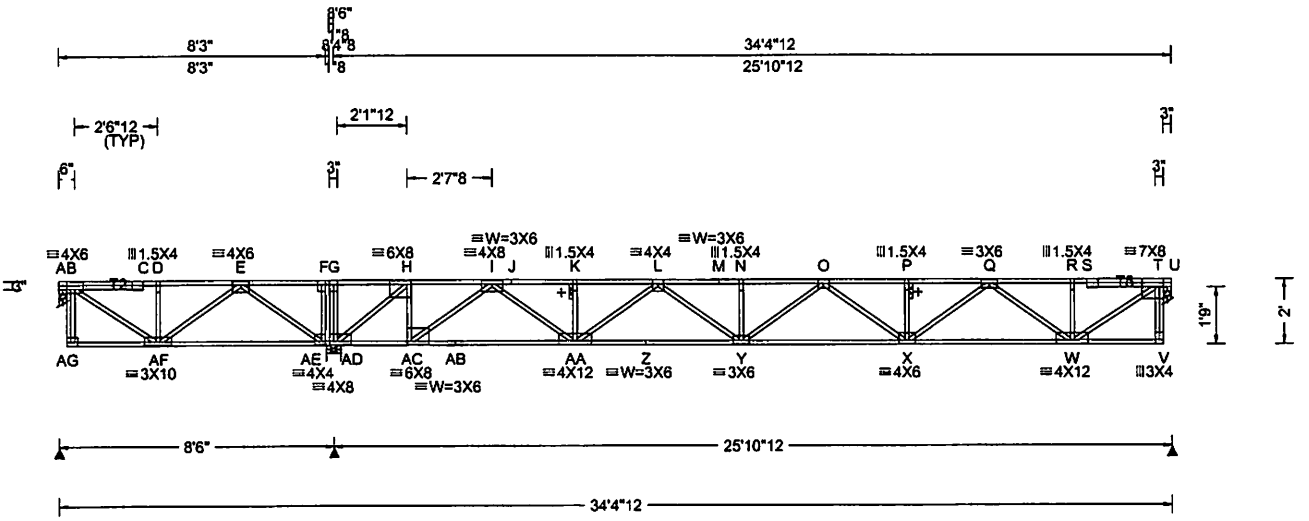


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

SEQN: 89406 SY42 FROM:	Ply: 1 Qty: 2	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** A04	Cust: R 9419 JRef:1XUU94190008 T14 DrwNo: 321.23.0854.22787 / DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.230 N 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.432 N 714 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.018 T - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.033 T - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.657
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.631
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.403
	C&C Dist a: NA ft	FT/RT:12(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	VIEW Ver: 22.02.00.0914.21
	I: NA GCpi: NA	WAVE	
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E; T2,
T5 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	64 plf at	0.00 to	64 plf at	16.72
TC: From	117 plf at	16.72 to	117 plf at	18.79
TC: From	64 plf at	18.79 to	64 plf at	34.40
BC: From	13 plf at	0.25 to	13 plf at	34.15

Plating Notes

All plates are 3X4 except as noted.

Deflection

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

Additional Notes

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

Negative reaction(s) of -265# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Truss must be installed as shown with top chord up.

Live Load

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

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	132	/-265	/-	/-	/-	/-
AE	1972	/-	/-	/-	/-	/-
T	903	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

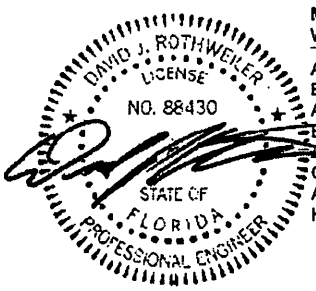
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	498	-45	K - L	0	-1740
C - D	496	-36	L - M	0	-2721
D - E	498	-45	M - N	0	-2721
E - F	1812	0	N - O	0	-2721
F - G	1828	0	O - P	0	-2531
G - H	1850	0	P - Q	0	-2531
H - I	570	0	Q - R	0	-1275
I - J	0	-1740	R - S	0	-1249
J - K	0	-1740	S - T	0	-1275

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AF-AE	0	-1090	AA- Z	2402	0
AE-AD	0	-1828	Z - Y	2402	0
AD-AC	0	-633	Y - X	2739	0
AC-AB	706	0	X - W	1994	0
AB-AA	706	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AG- B	440	-422	AC- I	0	-1552
B -AF	32	-573	I -AA	1286	0
AF- E	755	0	AA- L	0	-826
E -AE	0	-1095	L - Y	456	0
E - F	474	0	X - Q	665	0
G -AD	0	-670	Q - W	0	-891
AD- H	0	-1629	W - T	1429	0
H -AC	943	0	T - V	956	-952



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

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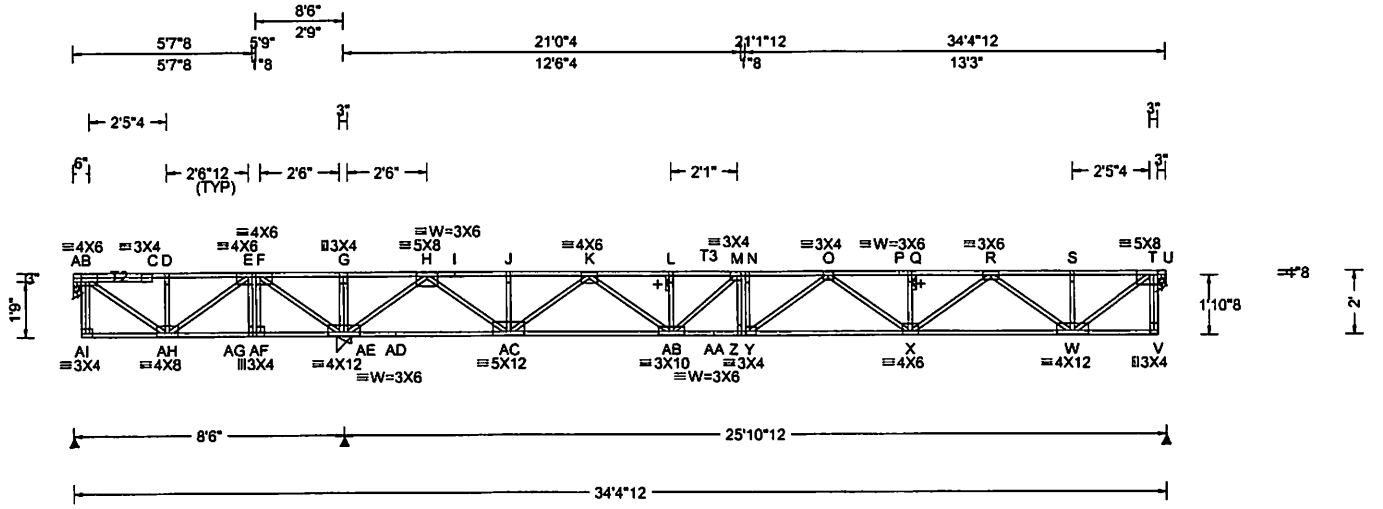
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 89407 SY42 FROM:	Ply: 1 Qty: 3	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** A05	Cust: R 9419 JRef: 1XUU94190008 T16 DrwNo: 321.23.0854.24713 / DJR 11/17/2023



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.227 Y 999 640
BCLL:	0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.441 Y 700 360
BCDL:	10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.021 T - -
Des Ld:	58.00	EXP: NA Kzt: NA		HORZ(TL): 0.042 T - -
NCBCLL:	10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit:	0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.377
Load Duration:	1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.814
Spacing:	16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.407
		C&C Dist a: NA ft	FT/RT:12(0)/10(0)	
		Loc. from endwall: NA	Plate Type(s):	
		I: NA GCpi: NA	WAVE	VIEW Ver: 22.02.00.0914.21
		Wind Duration: NA		

Lumber

Top chord: 4x2 SP 2400f-2.0E; T2,
T3 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.

Deflection

Max JT VERT DEFL: LL: 0.23" DL: 0.24". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

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

Negative reaction(s) of -266# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Truss must be installed as shown with top chord up.

Live Load

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

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	109	/-266	/-	/-	/-	/-
AE	1902	/-	/-	/-	/-	/-
T	868	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

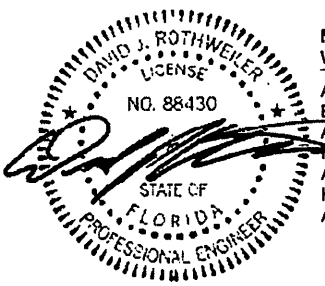
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	471	-15	K - L	0	-2157
C - D	470	-6	L - M	0	-2157
D - E	471	-15	M - N	0	-2458
E - F	1105	0	N - O	0	-2459
F - G	1916	0	O - P	0	-2357
G - H	1916	0	P - Q	0	-2357
H - I	0	-709	Q - R	0	-2357
I - J	0	-709	R - S	0	-1155
J - K	0	-709	S - T	0	-1155

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AH-AG	0	-1097	AB-AA	2456	0
AG-AF	0	-1105	AA- Z	2456	0
AF-AE	0	-1114	Z - Y	2458	0
AE-AD	0	-504	Y - X	2531	0
AD-AC	0	-504	X - W	1858	0
AC-AB	1552	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AI- B	408	-383	K -AB	758	0
B -AH	3	-547	AB- M	0	-487
AH- E	835	0	X - R	619	0
E -AE	0	-1152	R - W	0	-870
AE- H	0	-1747	W - T	1327	0
H -AC	1443	0	T - V	949	-946
AC- K	0	-1050			



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

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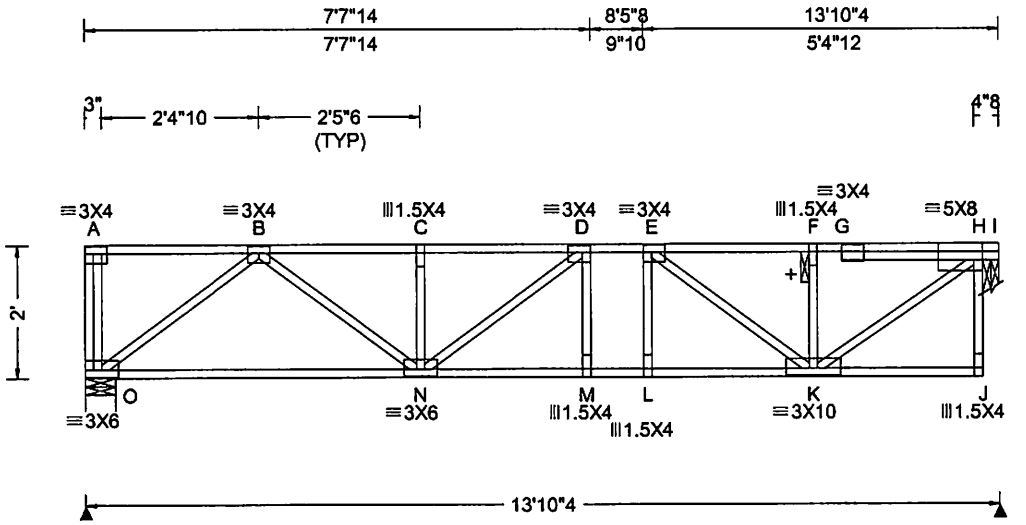
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 89408 SY42 FROM:	Ply: 1 Qty: 8	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** A06	Cust: R 9419 JRef:1XUU94190008 T17 DrwNo: 321.23.0854.25830 / DJR 11/17/2023



Loading Criteria (psf)

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

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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.049	D	999	640
VERT(CL): 0.088	D	999	360
HORZ(LL): 0.010	B	-	-
HORZ(TL): 0.020	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.402
Max BC CSI: 0.385
Max Web CSI: 0.219

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	541	/-	/-	/-	/-	/-
H	527	/-	/-	/-	/-	/-

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	-894	E - F	0	-631
C - D	0	-894	F - G	0	-612
D - E	0	-915	G - H	0	-631

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	551	0	M - L	915	0
N - M	916	0	L - K	912	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - B	0	-702	K - H	776	0
B - N	433	0			

Lumber

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

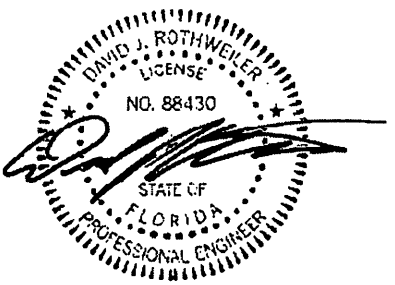
Additional Notes

+ 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.



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

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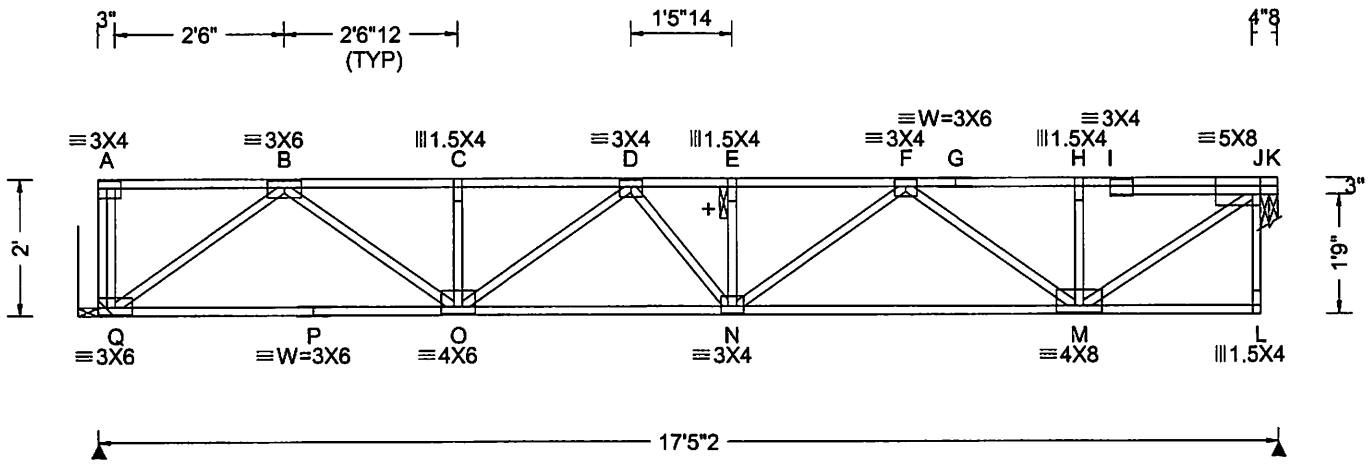
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 89409 SY42	Ply: 1	Job Number: KTQ23455-BLDG-EMERALD-F2-Rev-2	Cust: R 9419 JRef: 1XUU94190008 T19
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D	DrwNo: 321.23.0854.27647
		Truss Label: A07	/ DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.083 E 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.161 E 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.016 B - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.030 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: 0.502
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.504
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.299
	C&C Dist a: NA ft	FT/RT:12(0)/10(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;

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.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	679	/-	/-	/-	/-	/-
J	666	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

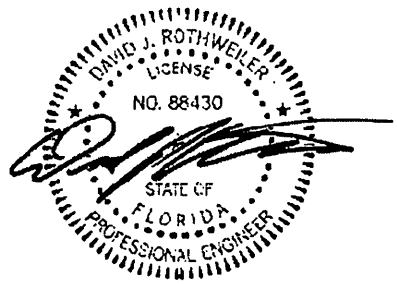
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1282	F - G	0	-875
C - D	0	-1282	G - H	0	-875
D - E	0	-1513	H - I	0	-853
E - F	0	-1513	I - J	0	-875

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	755	0	O - N	1492	0
P - O	755	0	N - M	1296	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - B	0	-945	F - M	0	-521
B - O	653	0	M - J	1061	0



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

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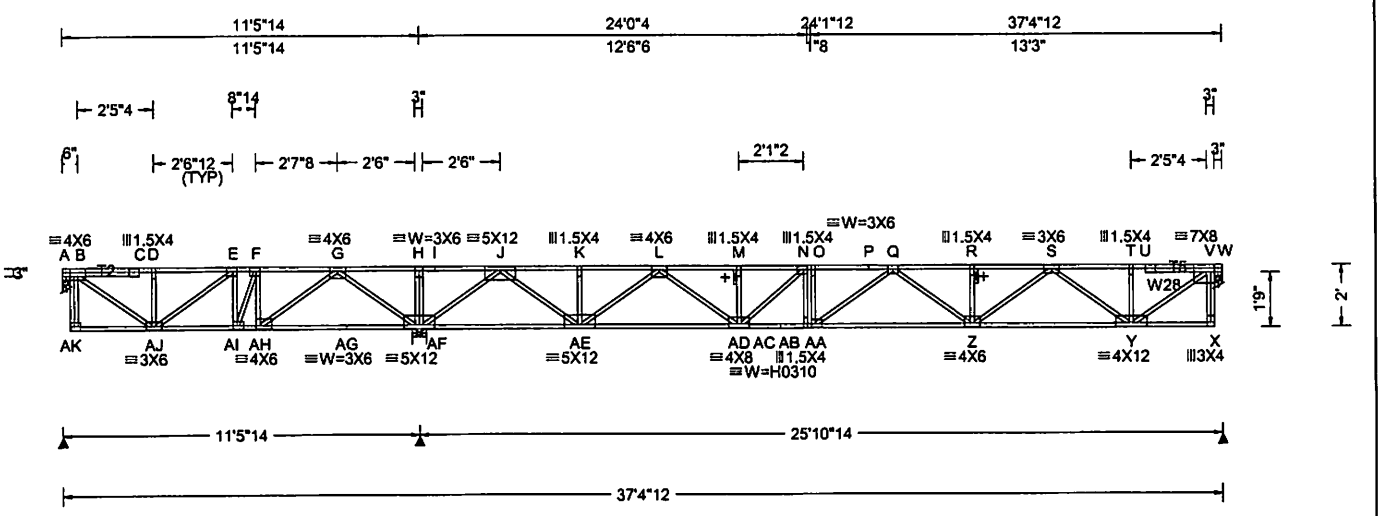
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ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 89410 SY42	Ply: 1	Job Number: KTQ23455-BLDG-EMERALD-F2-Rev-2	Cust: R 9419 JRef: 1XUU94190008 T23
FROM:	Qty: 3	Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D	DrwNo: 321.23.0854.29967
		Truss Label: A08	/ DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.237 AA 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.448 AA 691 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.021 V - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.040 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: 0.726
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.636
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.457
	C&C Dist a: NA ft	FT/RT:12(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE, HS	VIEW Ver: 22.02.00.0914.21
	Wind Duration: NA		

Lumber

Top chord: 4x2 SPF 1650f-1.5E; T2,
T5 4x2 SPF #1/#2;
Bot chord: 4x2 SPF 1650f-1.5E;
Webs: 4x2 SPF #1/#2; W28 4x2 SPF 1650f-1.5E;

Special Loads

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

TC: From	64 plf at	0.00 to	64 plf at	11.77
TC: From	117 plf at	11.77 to	117 plf at	14.38
TC: From	64 plf at	14.38 to	64 plf at	21.59
TC: From	117 plf at	21.59 to	117 plf at	23.25
TC: From	64 plf at	23.25 to	64 plf at	37.40
BC: From	13 plf at	0.25 to	13 plf at	37.15

Plating Notes

All plates are 3X4 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.24" DL: 0.26". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

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

Truss must be installed as shown with top chord up.

Live Load

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

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	236	/-119	/-	/-	/-	/-
AF	2151	/-	/-	/-	/-	/-
V	886	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

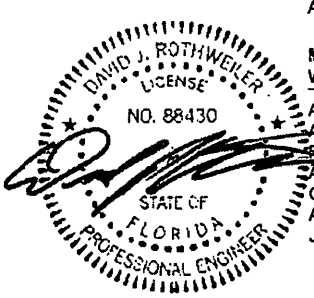
Chords	Tens.	Comp.	Chords	Tens.	Comp.
E - F	657	-49	N - O	0	-2618
F - G	781	0	O - P	0	-2619
G - H	2177	0	P - Q	0	-2619
H - I	2177	0	Q - R	0	-2456
I - J	2177	0	R - S	0	-2456
J - K	0	-739	S - T	0	-1206
K - L	0	-739	T - U	0	-1182
L - M	0	-2314	U - V	0	-1206
M - N	0	-2314			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AJ-AI	62	-636	AD-AC	2617	0
AI-AH	0	-757	AC-AB	2617	0
AH-AG	0	-1339	AB-AA	2618	0
AG-AF	0	-1339	AA- Z	2658	0
AF-AE	0	-576	Z - Y	1926	0
AE-AD	1610	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AK- B	412	-384	AE- L	0	-1161
AJ- B	470	0	L -AD	873	0
AI -AH	0	-459	AD- N	0	-485
AH- G	865	0	Z - S	656	0
G -AF	0	-1146	S - Y	0	-892
AF- J	0	-1979	Y - V	1366	0
J -AE	1535	0	V - X	974	-971



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

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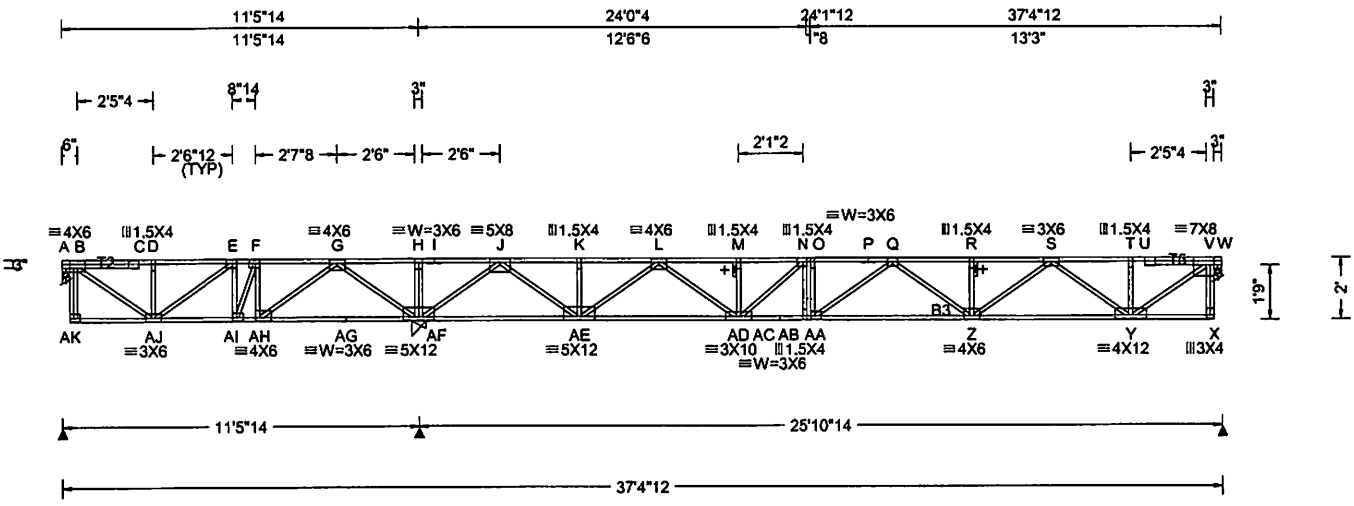
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 89411 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** A09	Cust: R 9419 JRef: 1XUU94190008 T15 DrwNo: 321.23.0854.31637 / DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.225 AA 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.438 AA 706 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.020 V - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.038 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: 0.698
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.781
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.434
	C&C Dist a: NA ft	FT/RT:12(0)/10(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	256 /-109	/-	/-	/-	/-
AF	2073 /-	/-	/-	/-	/-
V	867 /-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AF Brg Wid = 5.5 Min Req = 1.5 (Truss)
V Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AF, & 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.
E - F	628	-109	N - O	0	-2459
F - G	749	-37	O - P	0	-2461
G - H	2056	0	P - Q	0	-2461
H - I	2056	0	Q - R	0	-2362
I - J	2056	0	R - S	0	-2362
J - K	0	-700	S - T	0	-1171
K - L	0	-700	T - U	0	-1148
L - M	0	-2156	U - V	0	-1171
M - N	0	-2156			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AJ-AI	120	-608	AD-AC	2457	0
AI-AH	55	-726	AC-AB	2457	0
AH-AG	0	-1294	AB-AA	2459	0
AG-AF	0	-1294	AA- Z	2535	0
AF-AE	0	-533	Z - Y	1863	0
AE-AD	1547	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AK- B	424	-396	AE- L	0	-1061
AJ- F	454	0	L -AD	765	0
F -AH	0	-439	AD- N	0	-493
AH- G	832	0	Z - S	618	0
G -AF	0	-1113	S - Y	0	-857
AF- J	0	-1881	Y - V	1325	0
J -AE	1434	0	V - X	957	-953

Lumber

Top chord: 4x2 SPF 1650f-1.5E; T2,
T5 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2; B3 4x2 SPF 1650f-1.5E;
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	11.77
TC: From	117 plf at	11.77 to	117 plf at	14.41
TC: From	64 plf at	14.41 to	64 plf at	37.40
BC: From	13 plf at	0.25 to	13 plf at	37.15

Plating Notes

All plates are 3X4 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.22" DL: 0.26". See detail DEFLCAMB1014 for camber recommendations.

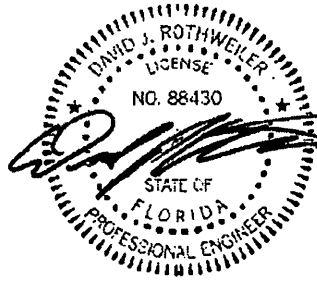
Additional Notes

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

Truss must be installed as shown with top chord up.

Live Load

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



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

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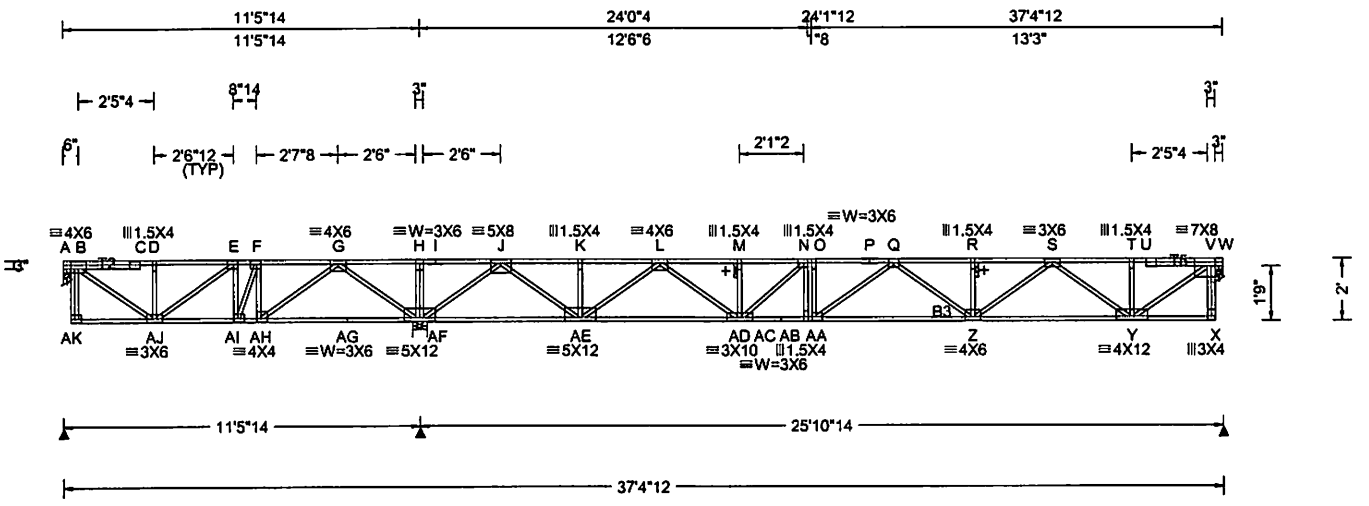
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 89412 SY42 FROM:	Ply: 1 Qty: 3	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** A10	Cust: R 9419 JRef:1XUU94190008 T24 DrwNo: 321.23.0854.33347 / DJR 11/17/2023



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.224 AA 999 640
BCLL:	0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.437 AA 707 360
BCDL:	10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.020 V - -
Des Ld:	58.00	EXP: NA Kzt: NA		HORZ(TL): 0.038 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: 0.693
Load Duration:	1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.780
Spacing:	16.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.430
		C&C Dist a: NA ft	FT/RT:12(0)/10(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 1650f-1.5E; T2,
T5 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2; B3 4x2 SPF 1650f-1.5E;
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	11.91
TC: From	117 plf at	11.91 to	117 plf at	14.20
TC: From	64 plf at	14.20 to	64 plf at	37.40
BC: From	13 plf at	0.25 to	13 plf at	37.15

Plating Notes

All plates are 3X4 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.22" DL: 0.25". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

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

Truss must be installed as shown with top chord up.

Live Load

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

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	257	/-108	/-	/-	/-	/-
AF	2054	/-	/-	/-	/-	/-
V	867	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

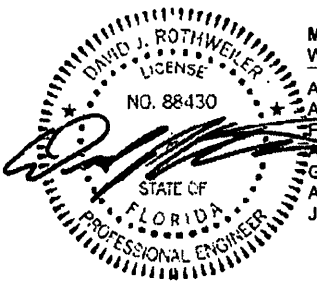
Chords	Tens.	Comp.	Chords	Tens.	Comp.
E - F	626	-113	N - O	0	-2457
F - G	747	-41	O - P	0	-2458
G - H	2048	0	P - Q	0	-2458
H - I	2048	0	Q - R	0	-2360
I - J	2048	0	R - S	0	-2360
J - K	0	-696	S - T	0	-1171
K - L	0	-696	T - U	0	-1147
L - M	0	-2153	U - V	0	-1171
M - N	0	-2153			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AJ-AI	124	-606	AD-AC	2455	0
AI-AH	60	-724	AC-AB	2455	0
AH-AG	0	-1291	AB-AA	2457	0
AG-AF	0	-1291	AA- Z	2533	0
AF-AE	0	-541	Z - Y	1862	0
AE-AD	1544	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AK- B	424	-397	AE- L	0	-1063
AJ- E	453	0	L -AD	766	0
F -AH	0	-437	AD- N	0	-494
AF- G	829	0	Z - S	618	0
G -AF	0	-1112	S - Y	0	-856
AF- J	0	-1861	Y - V	1324	0
J -AE	1434	0	V - X	956	-953



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

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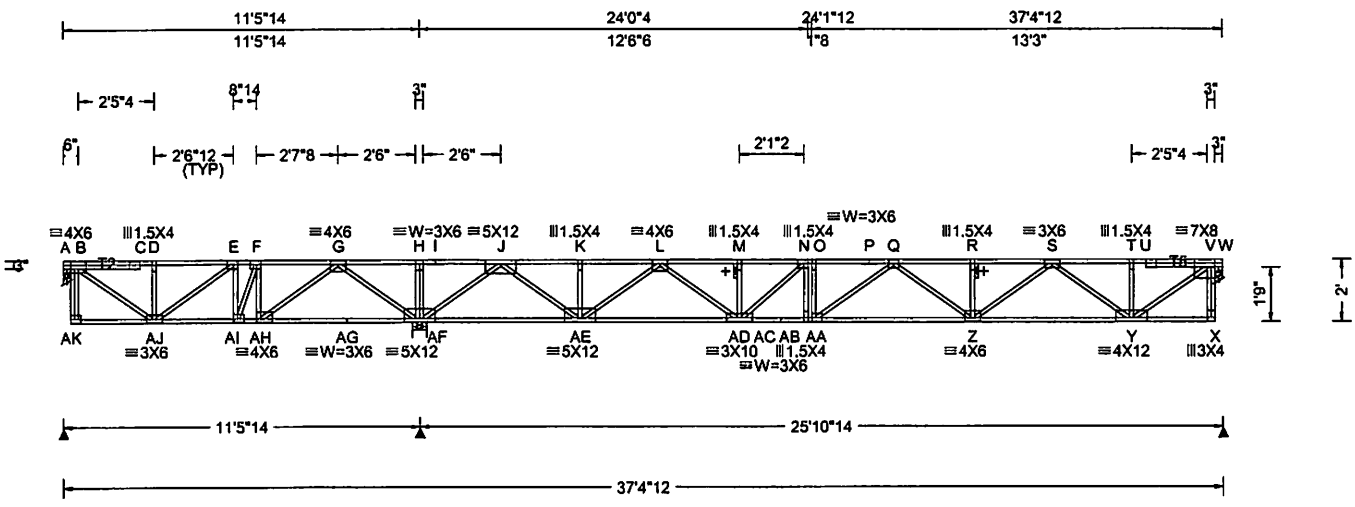
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 89413 SY42 FROM:	Ply: 1 Qty: 2	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** A11	Cust: R 9419 JRef: 1XUU94190008 T3 DrwNo: 321.23.0854.35230 / DJR 11/17/2023



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

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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.234	AA	999	640
VERT(CL): 0.445	AA	695	360
HORZ(LL): -0.020	V	-	-
HORZ(TL): 0.039	V	-	-

Creep Factor: 2.0
Max TC CSI: 0.699
Max BC CSI: 0.626
Max Web CSI: 0.489

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	234	/-120	/-	/-	/-	/-
AF	2204	/-	/-	/-	/-	/-
V	874	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AF Brg Wid = 5.5 Min Req = 1.5 (Truss)
V Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AF, & 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.
E - F	661	-44	N - O	0	-2522
F - G	786	0	O - P	0	-2524
G - H	2195	0	P - Q	0	-2524
H - I	2195	0	Q - R	0	-2400
I - J	2195	0	R - S	0	-2400
J - K	0	-871	S - T	0	-1185
K - L	0	-871	T - U	0	-1161
L - M	0	-2231	U - V	0	-1185
M - N	0	-2231			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AJ-AI	56	-640	AD-AC	2521	0
AI-AH	0	-763	AC-AB	2521	0
AH-AG	0	-1345	AB-AA	2522	0
AG-AF	0	-1345	AA- Z	2585	0
AF-AE	0	-480	Z - Y	1888	0
AE-AD	1632	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AK- B	412	-384	AE- L	0	-1034
AJ- E	473	0	L -AD	744	0
F -AH	0	-461	AD- N	0	-471
AH- G	867	0	Z - S	634	0
G -AF	0	-1156	S - Y	0	-871
AF- J	0	-2118	Y - V	1341	0
J -AE	1579	0	V - X	966	-963

Lumber

Top chord: 4x2 SPF 1650f-1.5E; T2,
T5 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	64 plf at	0.00 to	64 plf at	12.29	
TC: From	117 plf at	12.29 to	117 plf at	17.26	
TC: From	64 plf at	17.26 to	64 plf at	37.40	
BC: From	13 plf at	0.25 to	13 plf at	37.15	

Plating Notes

All plates are 3X4 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.23" DL: 0.26". See detail DEFLCAMB1014 for camber recommendations.

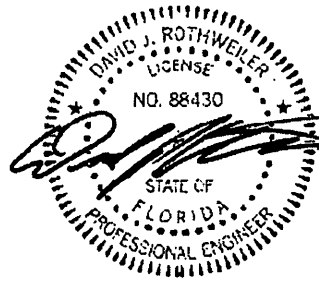
Additional Notes

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

Truss must be installed as shown with top chord up.

Live Load

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



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

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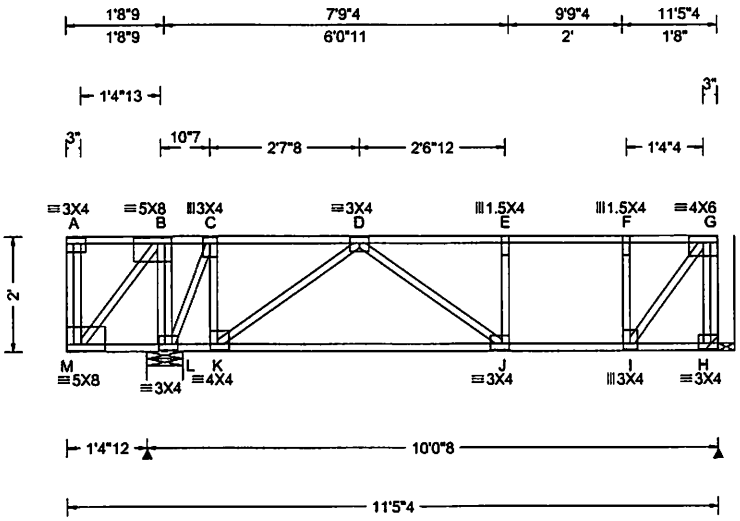
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 89414 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** A12	Cust: R 9419 JRef: 1XUU94190008 T4 DrwNo: 321.23.0854.36720 / DJR 11/17/2023



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

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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.074	E	999	640
VERT(CL): 0.210	E	538	360
HORZ(LL): 0.020	D	-	-
HORZ(TL): 0.058	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.625
Max BC CSI: 0.560
Max Web CSI: 0.301

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	1707	/-	/-	/-	/-	/-
H	358	/-	/-	/-	/-	/-

L Brg Wid = 7.6 Min Req = 1.5 (Truss)
H Brg Wid = - Min Req = -
Bearing L 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	720	0	C - D	561	-98

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	0	-652	L - K	80	-580

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - A	0	-806	C - K	455	0
M - B	1067	0	K - D	0	-669
B - L	0	-1041	I - G	550	-1
L - C	0	-687	G - H	0	-410

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)

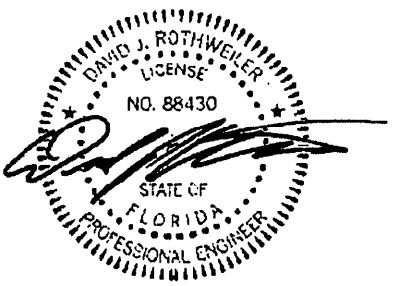
TC: From	64 plf at	0.00 to	64 plf at	0.94
TC: From	117 plf at	0.94 to	117 plf at	5.94
TC: From	64 plf at	5.94 to	64 plf at	11.44
BC: From	13 plf at	0.00 to	13 plf at	11.44

TC: 836 lb Conc. Load at 0.23

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.

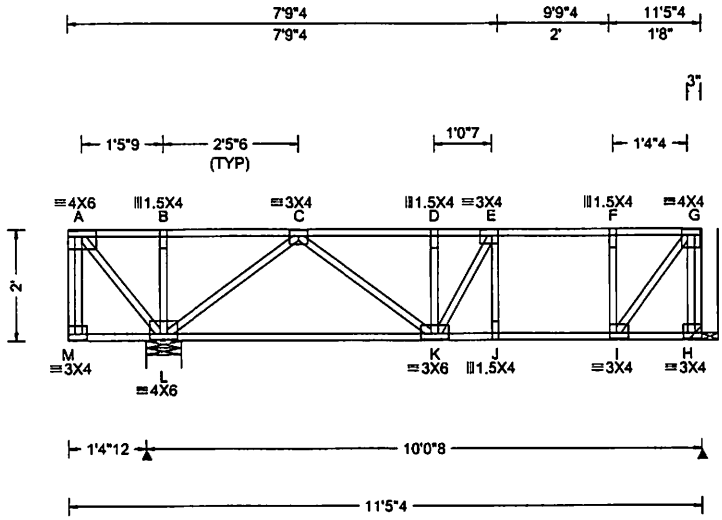


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

SEQN: 89415 SY42 FROM:	Ply: 1 Qty: 3	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** A13	Cust: R 9419 JRef: 1XUU94190008 T11 DrwNo: 321.23.0854.38587 / DJR 11/17/2023



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

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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.036	E	999	640
VERT(CL): 0.112	E	999	360
HORZ(LL): -0.010	A	-	-
HORZ(TL): 0.030	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.549
Max BC CSI: 0.444
Max Web CSI: 0.191

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	1477	/-	/-	/-	/-	/-
H	317	/-	/-	/-	/-	/-

L Brg Wid = 7.6 Min Req = 1.5 (Truss)
H Brg Wid = - Min Req = -
Bearing L 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.
A - B	684	0	B - C	684	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - L	0	-1084	C - K	385	0
L - C	0	-638	I - G	423	-34

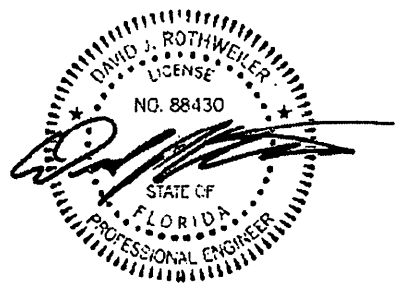
Lumber
Top chord: 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

Special Loads
——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 64 plf at 0.00 to 64 plf at 11.44
BC: From 13 plf at 0.00 to 13 plf at 11.44
TC: 836 lb Conc. Load at 0.23

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.

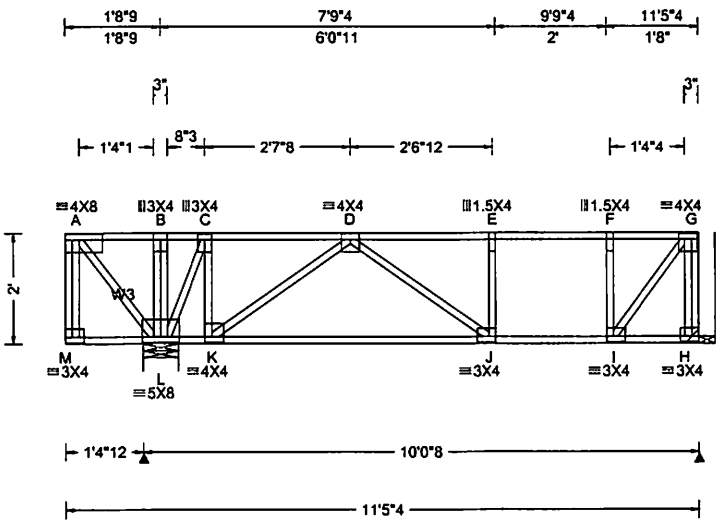


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

SEQN: 89416 SY42 FROM:	Ply: 1 Qty: 3	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** A14		Cust: R 9419 JRef: 1XUU94190008 T18 DrwNo: 321.23.0854.40200 / DJR 11/17/2023



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

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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.046	J	999	640
VERT(CL): 0.115	E	986	360
HORZ(LL): -0.025	A	-	-
HORZ(TL): 0.059	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.444
Max BC CSI: 0.319
Max Web CSI: 0.228

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
L	2542 /-	/-	/-	/-	/-
H	288 /-68	/-	/-	/-	/-

L Brg Wid = 7.6 Min Req = 1.5 (Truss)
H Brg Wid = - Min Req = -
Bearing L 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.
A - B	1303	0	C - D	1116	-107
B - C	1303	0			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	90	-1139	K - J	244	-614

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - L	0	-2065	K - D	0	-834
L - C	0	-693	D - J	581	-16
C - K	499	0	I - G	394	-298

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SPF #1/#2; W3 4x2 SP 2400f-2.0E;

Special Loads

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

TC: From	64 plf at	0.00 to	64 plf at	2.76
TC: From	117 plf at	2.76 to	117 plf at	5.26
TC: From	64 plf at	5.26 to	64 plf at	11.44
BC: From	13 plf at	0.00 to	13 plf at	11.44

TC: 1672 lb Conc. Load at 0.25

Hangers / Ties

(J) Hanger Support Required, by others

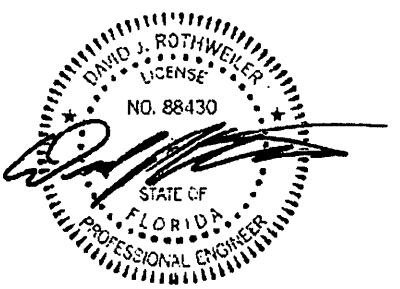
Additional Notes

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.



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

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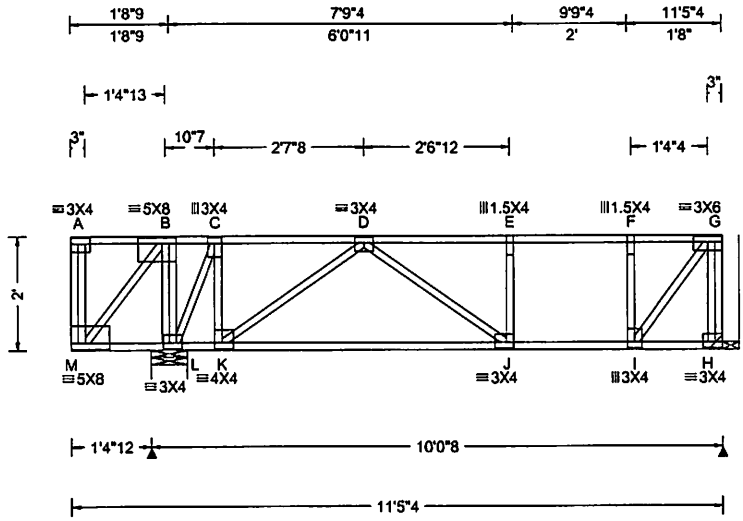
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 89417 SY42 FROM:	Ply: 1 Qty: 2	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** A15	Cust: R 9419 JRef: 1XUU94190008 T12 DrwNo: 321.23.0854.41530 / DJR 11/17/2023



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

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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.065	E	999	640
VERT(CL): 0.185	E	610	360
HORZ(LL): 0.017	D	-	-
HORZ(TL): 0.050	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.591
Max BC CSI: 0.490
Max Web CSI: 0.311

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
L	1733 /-	/-	/-	/-	/-
H	337 /-	/-	/-	/-	/-

L Brg Wid = 7.6 Min Req = 1.5 (Truss)
H Brg Wid = - Min Req = -
Bearing L 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	745	0	C - D	578	-98

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	0	-673	L - K	80	-597

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - A	0	-834	C - K	431	0
M - B	1102	0	K - D	0	-640
B - L	0	-1085	I - G	501	-24
L - C	0	-663	G - H	0	-380

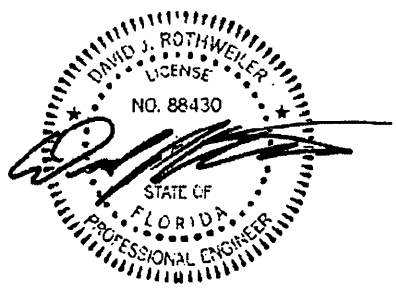
Lumber
Top chord: 4x2 SPF #1/#2;
Bot chord: 4x2 SPF #1/#2;
Webs: 4x2 SPF #1/#2;

Special Loads
——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 64 plf at 0.00 to 64 plf at 0.15
TC: From 117 plf at 0.15 to 117 plf at 5.26
TC: From 64 plf at 5.26 to 64 plf at 11.44
BC: From 13 plf at 0.00 to 13 plf at 11.44
TC: 836 lb Conc. Load at 0.23

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.

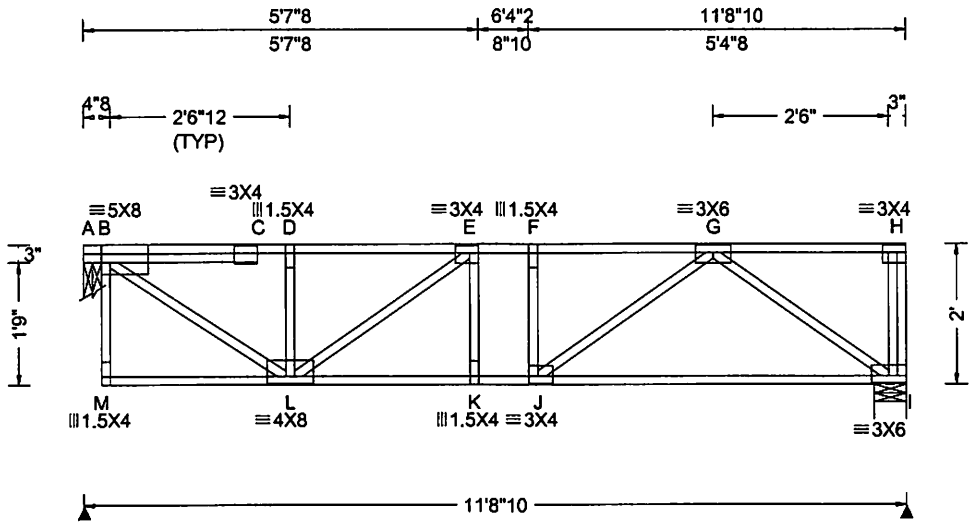


11/17/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

SEQN: 89418 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** A16	Cust: R 9419 JRef: 1XUU94190008 T7 DrwNo: 321.23.0854.43010 / DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.045 F 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.079 F 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.007 G - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.014 G - -
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: 0.627
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.477
Spacing: 24.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.272
	C&C Dist a: NA ft	FT/RT:12(0)/10(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	667	/-	/-	/-	/-	/-
I	687	/-	/-	/-	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-794	E - F	0	-1012
C - D	0	-769	F - G	0	-1008
D - E	0	-794			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	1012	0	J - I	696	0
K - J	1012	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - L	963	0	G - I	0	-873
J - G	409	0			

Lumber

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

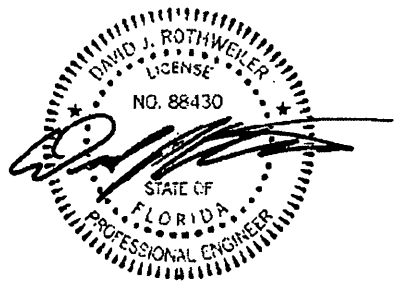
Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

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



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

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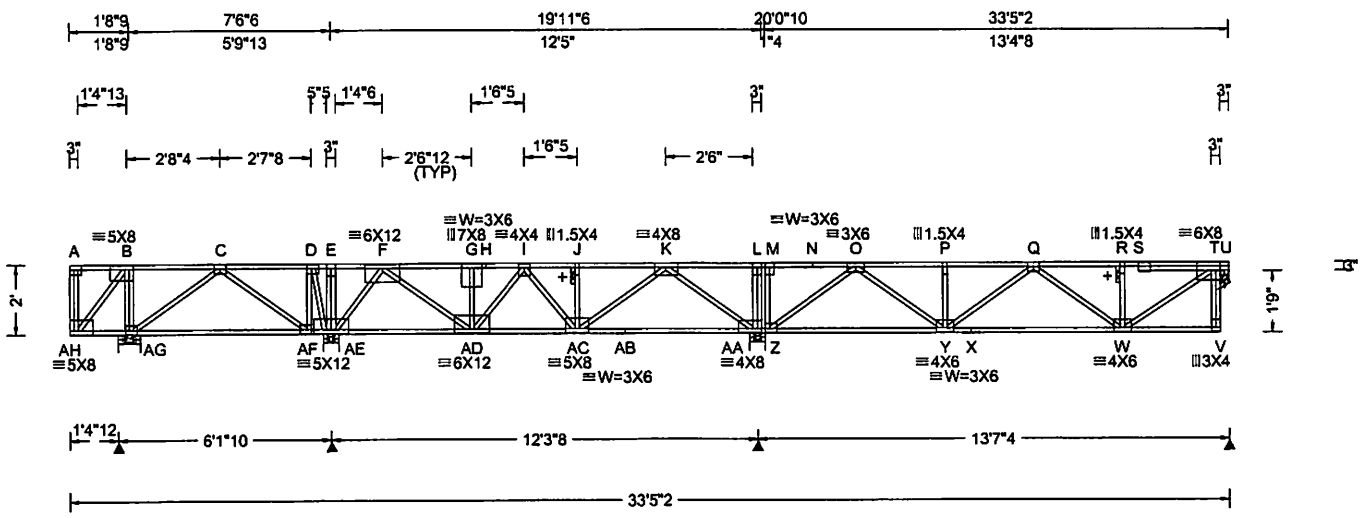
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 89421 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** G01	Cust: R 9419 JRef: 1XUU94190008 T8 DrwNo: 321.23.0854.44947 / DJR 11/17/2023



Loading Criteria (psf)

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

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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(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	875	360
HORZ(LL): -0.006	T	-	-
HORZ(TL): 0.011	T	-	-

Creep Factor: 2.0
Max TC CSI: 0.813
Max BC CSI: 0.533
Max Web CSI: 0.612

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AG	1281	/-	/-	/-	/-	/-
AE	1857	/-	/-	/-	/-	/-
AA	1652	/-	/-	/-	/-	/-
T	469	/-	/-	/-	/-	/-

AG Brg Wid = 7.6 Min Req = 1.5 (Truss)
AE Brg Wid = 5.5 Min Req = 1.5 (Truss)
AA Brg Wid = 5.5 Min Req = 1.5 (Truss)
T Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings AG, AE, AA, & T are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	704	0	K - L	957	0
C - D	958	0	L - M	938	0
D - E	1055	0	M - N	925	0
E - F	1055	0	N - O	925	0
F - G	0	-1842	O - P	0	-670
G - H	0	-1842	P - Q	0	-670
H - I	0	-1842	Q - R	0	-579
I - J	0	-1106	R - S	0	-564
J - K	0	-1106	S - T	0	-579

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AH-AG	0	-640	AA- Z	0	-938
AG-AF	0	-723	Y - X	731	0
AF-AE	0	-970	X - W	731	0
AD-AC	1524	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AH- A	0	-794	AC- K	1168	0
AH- B	1047	0	K -AA	0	-1389
B -AG	0	-1034	AA- L	0	-584
AE- F	0	-1844	M - Z	391	0
F -AD	2168	0	Z - O	0	-935
G -AD	0	-1640	O - Y	614	0
AD- I	504	-117	W - T	633	0
I -AC	21	-663	T - V	561	-553

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 33.43
BC: From 13 plf at 0.00 to 13 plf at 33.18
TC: 836 lb Conc. Load at 0.25
TC: 1558 lb Conc. Load at 11.58

Plating Notes

All plates are 3X4 except as noted.

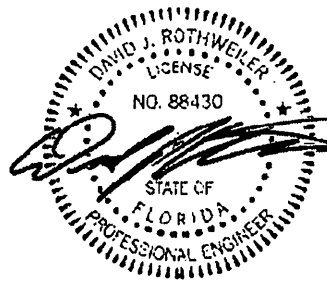
Additional Notes

+ 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.



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

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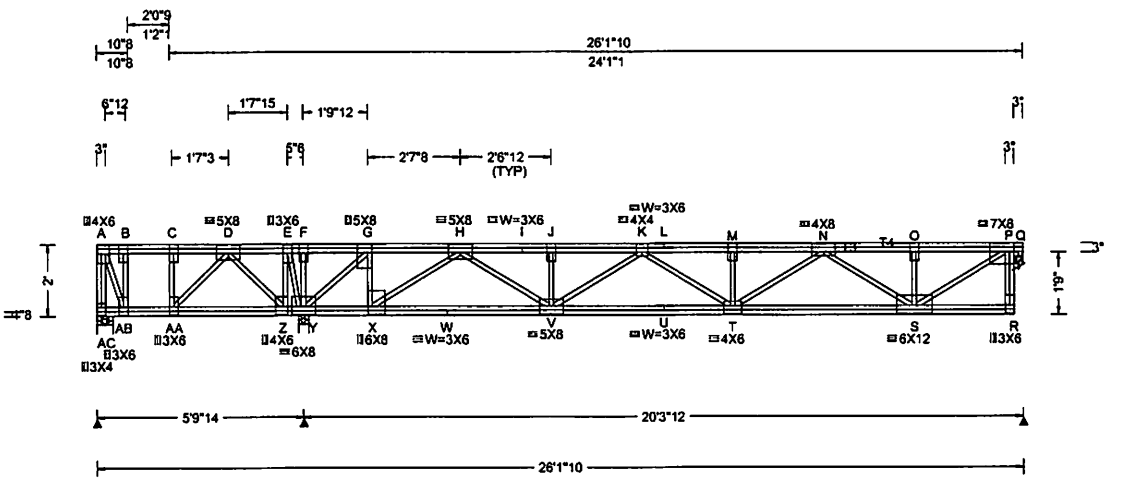
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 89422 SY42 FROM:	Ply: 2 Qty: 1	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** G02	Cust: R 9419 JRef:1XUU94190008 T5 DrwNo: 321.23.0854.47380 / DJR 11/17/2023

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): 0.114 M 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.220 M 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.011 R - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.022 R - -
NCBCLL: 0.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.526
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.420
Spacing: 38.0 "	MWFRS Parallel Dist: NA	Rep Fac: No	Max Web CSI: 0.397
	C&C Dist a: NA ft	FT/RT:12(0)/10(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
AC	221	/-189	/-	/-	/-	/-
Y	5072	/-	/-	/-	/-	/-
P	1750	/-	/-	/-	/-	/-

AC Brg Wid = 5.5 Min Req = 1.5 (Truss)
Y Brg Wid = 3.5 Min Req = 1.5 (Truss)
P Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings AC, Y, & P are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	861	0	K - L	0	-2308
E - F	1170	0	L - M	0	-2308
F - G	1170	0	M - N	0	-2308
H - I	0	-1979	N - O	0	-1273
I - J	0	-1979	O - P	0	-1273
J - K	0	-1979			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Z - Y	0	-906	V - U	2291	0
X - W	1269	0	U - T	2291	0
W - V	1269	0	T - S	1922	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AA- D	430	0	H - V	881	0
D - Z	0	-1153	V - K	0	-416
Z - E	634	0	T - N	468	0
E - Y	0	-1063	N - S	0	-785
Y - G	0	-1543	S - P	1406	0
G - X	782	0	P - R	959	-953
X - H	0	-1369			

Lumber

Top chord: 4x2 SP 2400f-2.0E; T3,
T4 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 152 plf at 0.00 to 152 plf at 26.14
BC: From 32 plf at 0.00 to 32 plf at 25.89
TC: 1750 lb Conc. Load at 4.29
TC: 455 lb Conc. Load at 8.56

Plating Notes

All plates are 3X6 except as noted.

Purlins

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" oc, BC @ 120" oc.

Additional Notes

See DWG CNSY42PL0118 for connection details of 2 ply trusses.

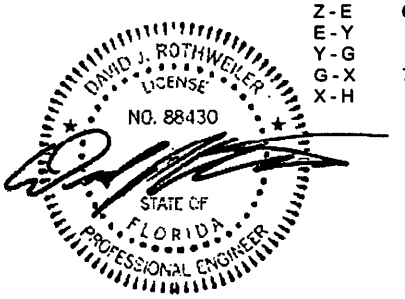
See detail STRBRIBR1014 for bracing and bridging recommendations.

Negative reaction(s) of -189# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Truss must be installed as shown with top chord up.

Live Load

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



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

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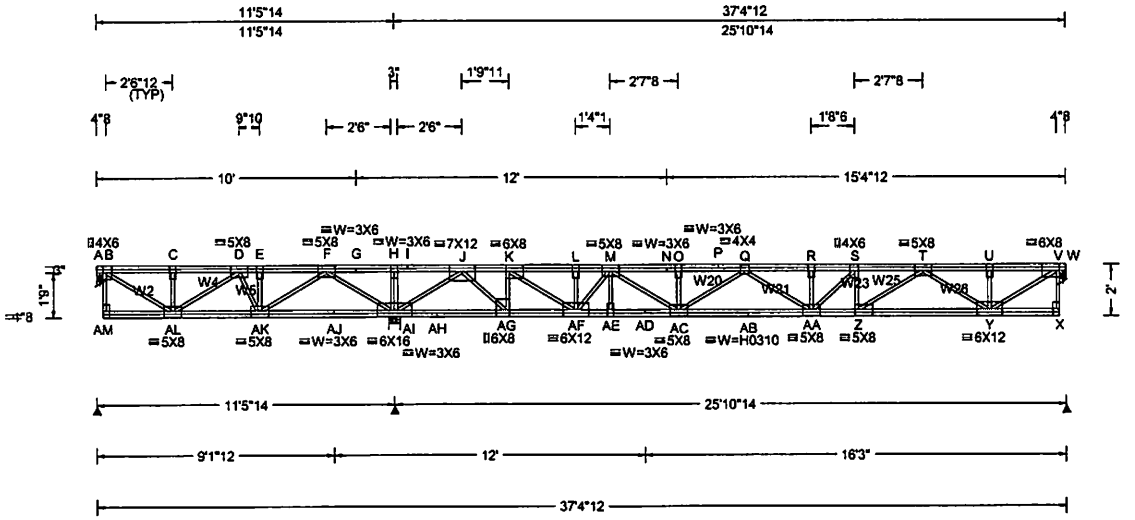
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 89423 SY42	Ply: 1	Job Number: KTQ23455-BLDG-EMERALD-F2-Rev-2	Cust: R 9419 JRef:1XUU94190008 T10
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D	DrwNo: 321.23.0854.49503
		Truss Label: G03	/ DJR 11/17/2023



Loading Criteria (psf)

TCLL:	30.00
TCDL:	18.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	58.00
NCBCLL:	10.00
Soffit:	0.00
Load Duration:	1.00
Spacing:	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:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.229	Q	999	640
VERT(CL): 0.441	Q	700	360
HORZ(LL): -0.017	V	-	-
HORZ(TL): 0.034	V	-	-

Creep Factor: 2.0
Max TC CSI: 0.342
Max BC CSI: 0.289
Max Web CSI: 0.432

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	418	/-105	/-	/-	/-	/-
AI	3323	/-	/-	/-	/-	/-
V	1425	/-	/-	/-	/-	/-

A Brg Wid = 3.0 Min Req = 1.5 (Truss)
AI Brg Wid = 5.5 Min Req = 1.5 (Truss)
V Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings A, AI, & 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.
B - C	290	-430	L - M	0	-3091
C - D	290	-430	M - N	0	-4743
D - E	980	-188	N - O	0	-4743
E - F	980	-188	O - P	0	-4743
F - G	3542	0	P - Q	0	-4743
G - H	3542	0	Q - R	0	-4749
H - I	3542	0	R - S	0	-4749
I - J	3542	0	S - T	0	-4328
J - K	0	-906	T - U	0	-2097
K - L	0	-3091	U - V	0	-2097

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AL-AK	297	-792	AE-AD	4028	0
AK-AJ	0	-2051	AD-AC	4028	0
AJ-AI	0	-2051	AC-AB	4933	0
AI-AH	0	-751	AB-AA	4933	0
AH-AG	0	-751	AA- Z	4370	0
AG-AF	1025	0	Z - Y	3385	0
AF-AE	4028	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B -AL	516	-347	AF- M	0	-1543
B - D	698	0	M -AC	1066	0
D -AK	0	-608	AC- Q	0	-450
AK- F	1391	0	AA- S	544	0
F -AI	0	-1792	S - Z	0	-597
AI- J	0	-3354	Z - T	1151	0
J -AG	2391	0	T - Y	0	-1559
AG- K	0	-1664	U - Y	0	-416
K -AF	2502	0	Y - V	2515	0

Lumber

Top chord: 4x2 SP 2400f-2.0E;
Bot chord: 4x2 SP 2400f-2.0E;
Webs: 4x2 SP 2400f-2.0E; W2,W4,W5,W20,W21,W23, W25,W26 4x2 SPF #1/#2;

Special Loads

——(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 96 plf at 0.00 to 96 plf at 37.40
BC: From 20 plf at 0.25 to 20 plf at 37.15
TC: 523 lb Conc. Load at 19.82

Plating Notes

All plates are 3X6 except as noted.

Deflection

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

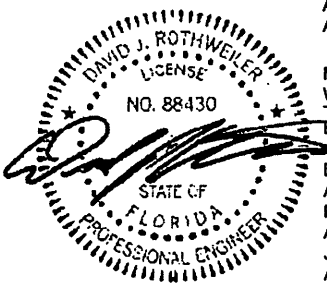
Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Live Load

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



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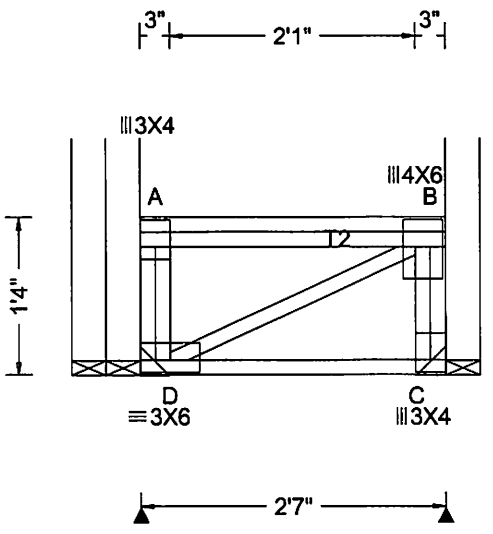
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 89419 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** G04	Cust: R 9419 JRef: 1XUU94190008 T2 DrwNo: 321.23.0854.52990 / DJR 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 18.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.004 B 999 640
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.007 B 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.002 B - -
Des Ld: 58.00	EXP: NA Kzt: NA		HORZ(TL): 0.004 B - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.801
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.091
Spacing: 24.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.144
	C&C Dist a: NA ft	FT/RT:12(0)/10(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	455	/-	/-	/-	/-	/-
C	523	/-	/-	/-	/-	/-
D	Brg Wid = -		Min Req = -			
C	Brg Wid = -		Min Req = -			

Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - D	416	-828	B - C	0	-973
C - B	486	0			

Lumber

Top chord: 4x2 SP 2400f-2.0E; T2 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	96 plf at	0.00 to	96 plf at	2.58
BC: From	20 plf at	0.00 to	20 plf at	2.58

TC: 679 lb Conc. Load at 1.40

Hangers / Ties

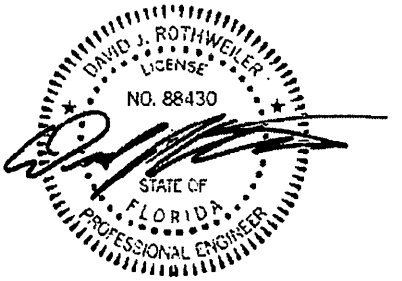
(J) Hanger Support Required, by others

Additional Notes

Truss must be installed as shown with top chord up.

Live Load

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



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

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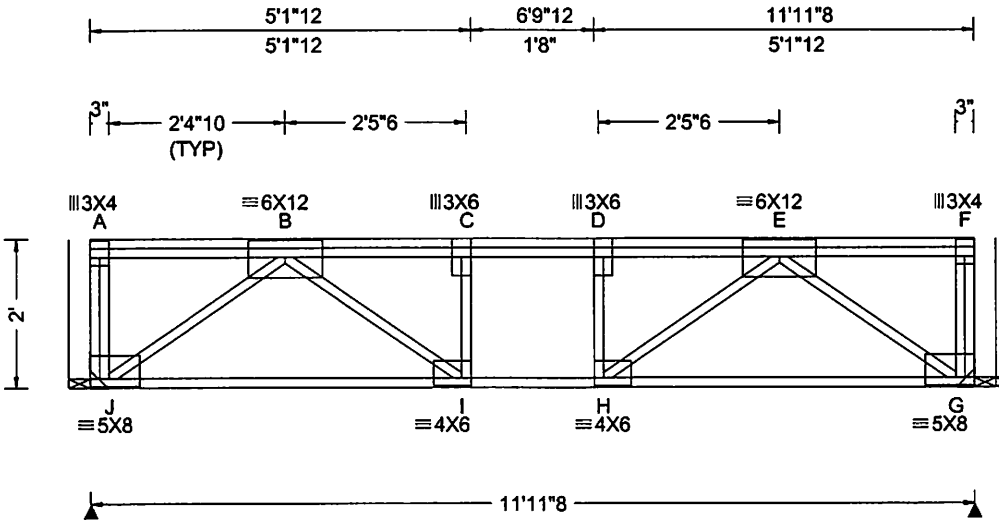
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Glenview, IL 60025

SEQN: 89420 SY42 FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-EMERALD-F2-Rev-2 Job Number:KTQ23455-BLDG-EMERALD-F2- Job Description:florida job-BLDG-EMERALD- D **Truss Label:** G05	Cust: R 9419 JRef: 1XUU94190008 T25 DrwNo: 321.23.0854.14797 / DJR 11/17/2023



Loading Criteria (psf)

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

Load Duration: 1.00
Spacing: 16.0 "

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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.081	C	999	640
VERT(CL): 0.156	C	880	360
HORZ(LL): 0.018	G	-	-
HORZ(TL): 0.035	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.498
Max BC CSI: 0.729
Max Web CSI: 0.467

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	1558	/-	/-	/-	/-	/-
G	1750	/-	/-	/-	/-	/-
J	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.
B - C	0	-2456	D - E	0	-2458
C - D	0	-2475			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	1732	0	H - G	1771	0
I - H	2475	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - J	334	-589	H - E	862	0
J - B	0	-2118	E - G	0	-2156
B - I	909	-43	G - F	400	0
I - C	7	-531	F - G	0	-826
D - H	0	-495			

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 32 plf at 0.00 to 32 plf at 11.96
BC: From 7 plf at 0.00 to 7 plf at 11.96
TC: 358 lb Conc. Load at 1.19
TC: 317 lb Conc. Load at 2.52, 3.85, 5.19
TC: 288 lb Conc. Load at 6.52, 7.85, 9.19
TC: 337 lb Conc. Load at 10.23,11.27

Hangers / Ties

(J) Hanger Support Required, by others

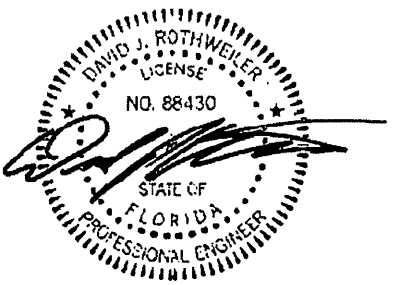
Additional Notes

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Truss must be installed as shown with top chord up.

Live Load

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



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

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Commentary: Deflection and Camber

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

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

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

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

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

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

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.

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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

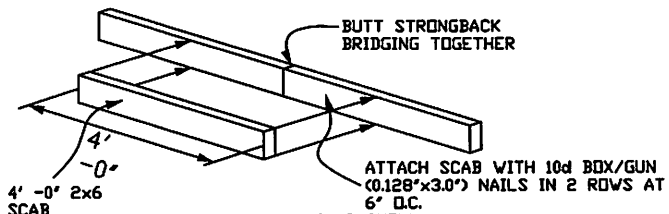
DAVID J. ROTHWEILER LICENSE NO. 88430 STATE OF FLORIDA PROFESSIONAL ENGINEER

11/17/2023

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

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

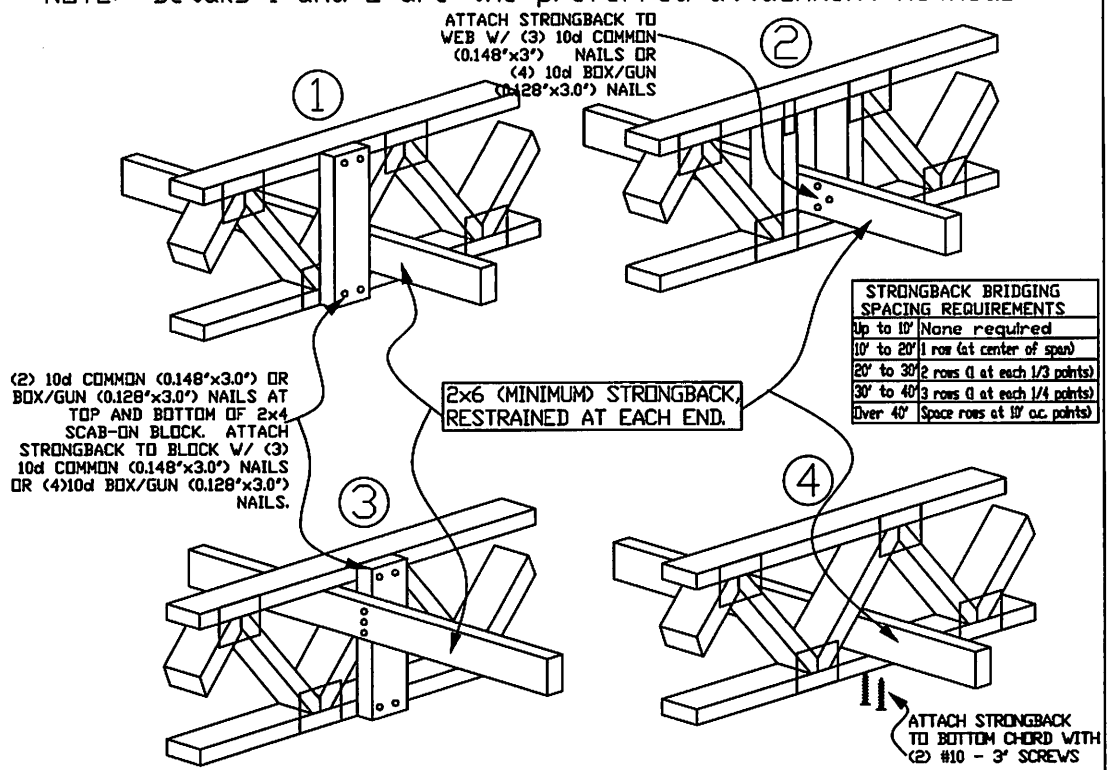
STRONGBACK BRIDGING RECOMMENDATIONS



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

STRONGBACK BRIDGING SPLICE DETAIL

NOTE: Details 1 and 2 are the preferred attachment methods



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

STRONGBACK BRIDGING ATTACHMENT ALTERNATIVES

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

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

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

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DAVID J. ROTHWEILER LICENSE NO. 88430 STATE OF FLORIDA PROFESSIONAL ENGINEER
11/17/2023

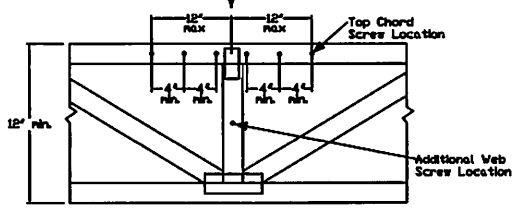
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TOT. LD.	PSF	
DUR. FAC.	1.00	
SPACING		

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

System 42 Ply to Ply Connection Detail

Using GRK (RSS) JTS 1/4x6-3/4 or Simpson SDS25600 or SDW22634 Strong Drive Screws or Equal.

Max. Concentrated Load per Chart Below

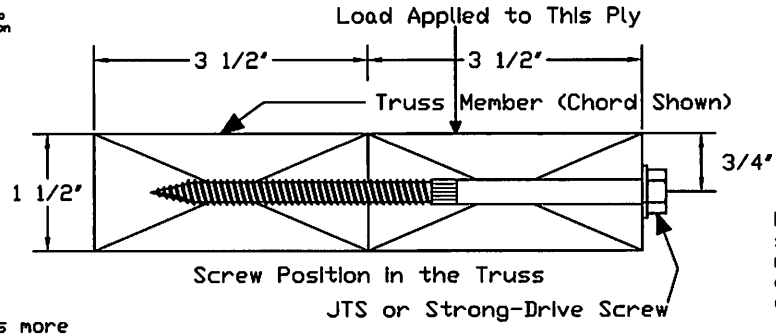


Apply screws to top chord within 12" of the concentrated load location @ 4" o.c., min, evenly distributing them to each side of the concentrated load. A maximum of 6 screws may be applied to the top chord for each concentrated load.

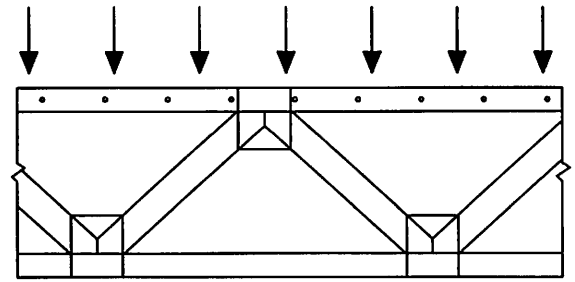
For double top chords, evenly distribute the screws over both top chords, using same spacing guidelines specified above. The max number of top chord screws is 6 per chord member for a total maximum of 12 screws.

If the concentrated load connection requires more screws than 6 per top chord member and the load is located at a panel point where webs intersect the top chord, the remainder of required screws may be applied to those webs below the concentrated load location evenly spaced @ 4" o.c., min, keeping the 3" min end distances. Each additional screw is worth 474 lb for SP webs, 442 lb for DFL webs, and 400 lb for SPF webs.

Refer to Alpine sealed drawing for individual truss design.



Max. Uniform Load per Chart Below



For single top chord, see chart below for screw spacing. For double top chord the screw spacing may be doubled (but may not exceed 24" o.c. per chord). Screw spacing shall be offset by 1/2 the o.c. spacing in each chord.

Screws need only apply to the extents of that load.

For chord sections supporting less than 100 plf apply one screw at each top chord joint location.

# of Screws	Maximum Concentrated Load (lbs) (1.00 DF)		
	SP	DFL	SPF
1	474	442	400
2	984	884	800
3	1422	1326	1200
4	1896	1768	1600
5	2370	2210	2000
6	2844	2652	2400
7	3318	3094	2800
8	3792	3536	3200
9	4266	3978	3600
10	4740	4420	4000
11	5214	4862	4400
12	5688	5304	4800

General Notes:

1. Screws centered along the 1.5" dimension of the 4x2 member.
2. Minimum end distance of 3".
3. Screws installed with head in loaded member.
4. Gap between plies not to exceed 1/8".
5. Screw location may be adjusted up to 1" to avoid conflict with other hardware or to avoid lumber defects.
6. Do not install screws in areas where lumber wane exceeds 1/4".
7. Equal loads from both faces or loads that are evenly distributed to each ply do not require connections per this detail.
8. For 3x2 members use GRK (RSS) JTS 1/4x5 screws, or Simpson's SDS25412 or SDW22500 screws or equal.
9. Contact Alpine for special connections not covered by this detail.

Top Chord Screw o.c. Spacing (inch)	Maximum Uniform Load (plf) Along Top Chord (1.00 DF)		
	SP	DFL	SPF
4	1422	1326	1200
6	948	884	800
8	711	663	600
10	568	530	480
12	474	442	400
14	406	378	342
16	355	331	300
18	316	294	266
20	284	265	240
22	258	241	218
24	237	221	200

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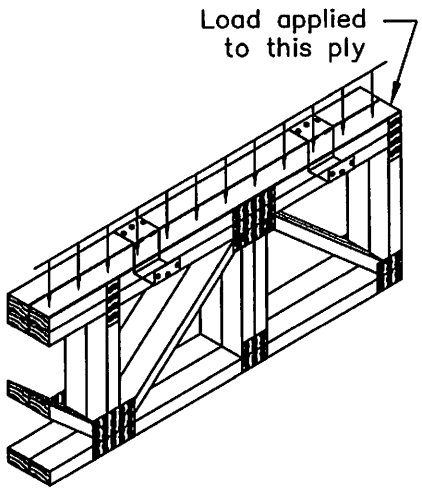
FL REQ# 278, David J. Rothweiler, FL PE# 88430

TC LL	PSF	REF SY42 Connection
TC DL	PSF	DATE 01/19/2018
BC DL	PSF	DRWG CNSY42PL0118
BC LL 1/17/2023	PSF	
TOT. LD.	PSF	
DUR. FAC. 1.00		
SPACING		

SY32/SY42 PLY TO PLY LSC CONNECTION DETAIL

FOR DOWNWARD LOADS ONLY

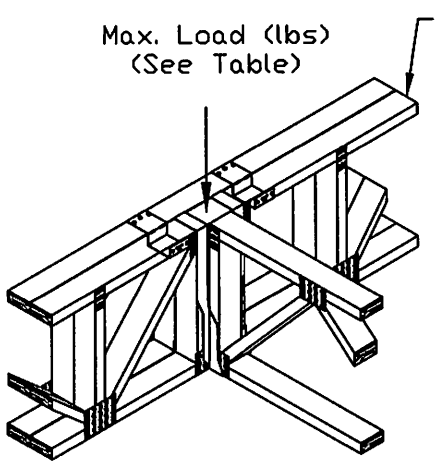
Uniform Load Application



Max. T.C. Uniform Load (plf)			Clip Spacing Along Top Chord
SP	DF	SPF/HF	
935	810	585	12" o.c.
625	540	390	18" o.c.
470	405	295	24" o.c.
375	325	235	30" o.c.

Maximum LSC spacing is 30" o.c.

Concentrated Load Application



Max Load (lbs)		
SP	DF	SPF/HF
1870	1620	1170

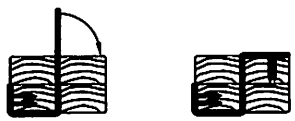
Note:
Install LSC adjacent, equidistant, and not more than 6" on each side of concentrated load.

Installation Instructions:

1. Position and attach LSC to loaded ply with (3) 0.131"x1.5" nails into narrow face.
2. Bend clip over adjacent ply and attach with (3) 0.131"x1.5" nails into wide face.



LSC42 for single 4x2 chords
LSC32 for single 3x2 chords



LSC42-2 for stacked 4x2 chords
LSC32-2 for stacked 3x2 chords

Refer to Alpine sealed drawing for individual truss design.

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11/17/2023

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

DOR: FAC: ALL

REF	SY42 Connection
DATE	10/01/14
DRWG	LSCSYX2A1014