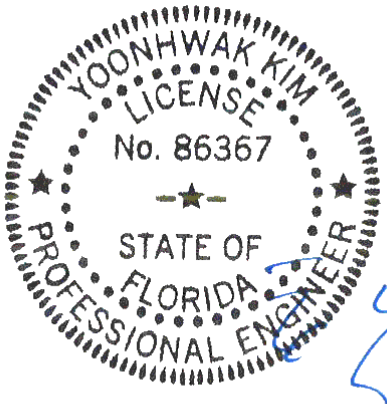
Alpine, an ITW Company
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025
Phone: (800)755-6001
www.alpineitw.com



This item has been digitally signed and sealed by Yoonhwak Kim on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

10/06/2025

COA#0-278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999

Site Information:	**Page 1:**
Customer: Seminole Trusses, Inc.	*Job Number:* B61800b
Job Description: DAVIS RESIDENCE	
Address: 242 SW GOLDBOND AVE, Lake City, FL 32024	

Job Engineering Criteria:	
Design Code: FBC 8th Ed. 2023 Res.	*IntelliVIEW Version:* 24.02.00C *JRef #:* 1Ye08570002
Wind Standard: NA *Wind Speed (mph):* 0 *Building Type:*	*Design Loading (psf):* 55

This package contains general notes pages, 13 truss drawing(s) and 3 detail(s).

Item	Drawing Number	Truss
1	279.25.0938.33273	F100 21'7"4 Gable
3	279.25.0938.36887	F102 17'10"12 Floor Truss
5	279.25.0938.39360	F104 14'9"12 Floor Truss
7	279.25.0938.42490	F106 14'9"4 Floor Truss
9	279.25.0938.45450	F108 14'2"4 Floor Truss
11	279.25.0938.47820	F110 7'4"4 Floor Truss
13	279.25.0938.51240	F112 3'8"4 Floor Truss
15	STRBRIBR1014	

Item	Drawing Number	Truss
2	279.25.0938.34850	F101 21'7"4 Floor Truss
4	279.25.0938.38100	F103 14'9"12 Gable
6	279.25.0938.40590	F105 14'9"4 Gable
8	279.25.0938.44023	F107 14'5"12 Floor Truss
10	279.25.0938.46683	F109 7'5"12 Gable
12	279.25.0938.48880	F111 3'8"4 Floor Truss
14	REPCHRD1014	
16	DEFLCAMB1014	

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.

Bearing Information:
The bearing area factor, Cb, is considered for the allowable capacity of solid sawn wood bearings supporting trusses that are located a minimum of 3" from the end of the lumber piece.

General Notes (continued)

Coated Lumber:
Coated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Coated lumber has no adjustments to lumber properties. Coated lumber may be more brittle than uncoated lumber. Special handling care must be taken to prevent breakage during all handling activities. Refer to manufacturer literature, specifications, and code evaluation reports for restrictions, details, and requirements.

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.

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.
C = Coated lumber.
C-AT = AtTEK coated lumber.
C-FX = FX Lumber Guard coated lumber.
C -TE = TechWood 4400 coated lumber.
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-BF = Boraflame 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-ON = OnWood 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).

General Notes (continued)

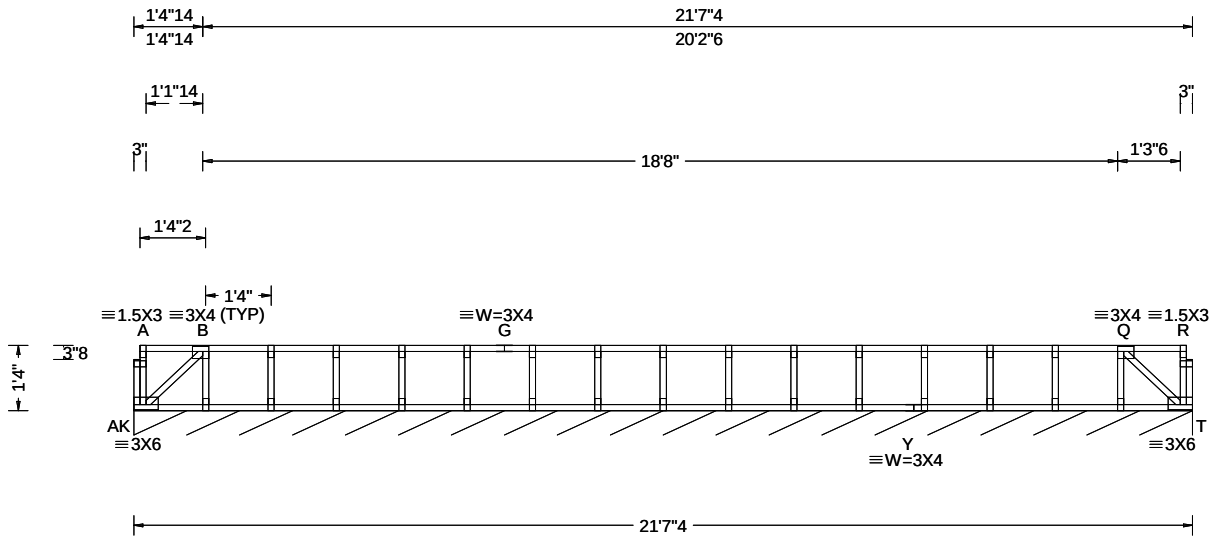
Key to Terms (continued):
Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).
TCDL = Top Chord standard design Dead Load in pounds per square foot.
TCLL = Top Chord standard design Live Load in pounds per square 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: 66108 SY42 FROM: RJL	Ply: 1 Qty: 1	**Job Number:** B61800b DAVIS RESIDENCE **Truss Label:** F100 21'7"4 Gable	Cust: R 857 JRef:1Ye08570002 T1 DrwNo: 279.25.0938.33273 SSB / YK 10/06/2025



Loading Criteria (psf)
TCLL: 40.00
TCDL: 10.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 55.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

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
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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.000	R	999	360
VERT(CL): 0.000	R	999	240
HORZ(LL): -0.000	AK	-	-
HORZ(TL): 0.000	AK	-	-

Creep Factor: 2.0
Max TC CSI: 0.067
Max BC CSI: 0.016
Max Web CSI: 0.025

VIEW Ver: 24.02.00C.1213.15

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AK*87	/-	/-	/-	/-	/-	

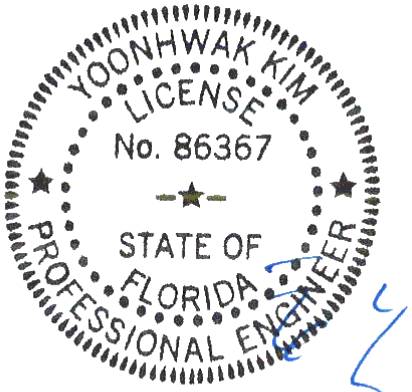
AK Brg Wid = 259 Min Req = -
Bearing AK is a rigid surface.
Members not listed have forces less than 375#

Lumber
Top chord: 4x2 SP #1;
Bot chord: 4x2 SP #1;
Webs: 4x2 SP #3;

Bracing
Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Plating Notes
All plates are 1.5X3 except as noted.

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



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

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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

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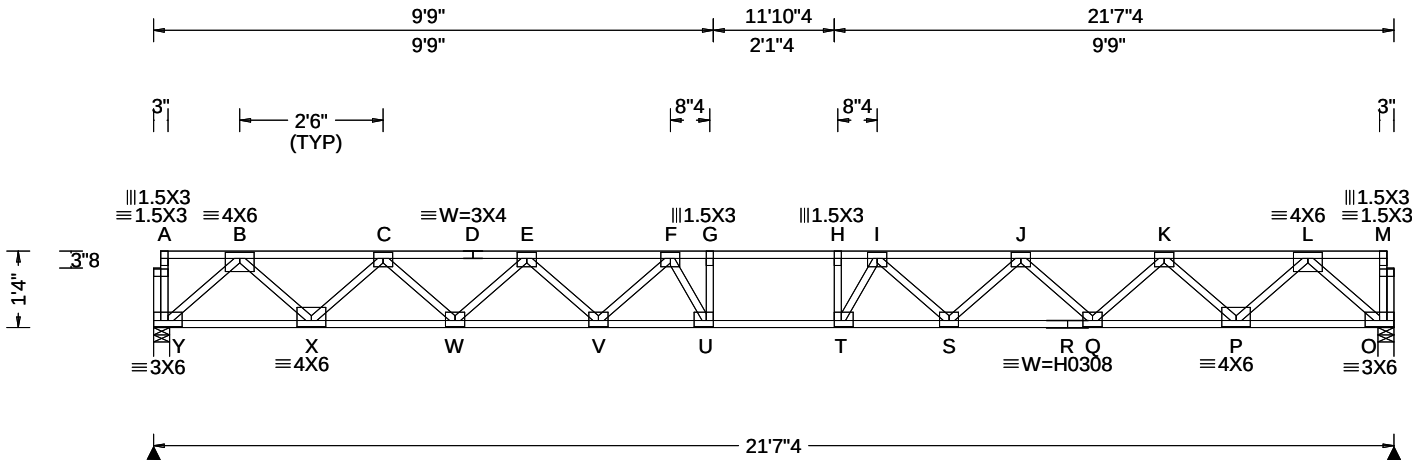
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66134 SY42 FROM: RJL	Ply: 1 Qty: 11	**Job Number:** B61800b DAVIS RESIDENCE **Truss Label:** F101 21'7"4 Floor Truss	Cust: R 857 JRef:1Ye08570002 T2 DrwNo: 279.25.0938.34850 SSB / YK 10/06/2025



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.400 G 636 360
BCLL:	0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.550 G 462 240
BCDL:	5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.061 O - -
Des Ld:	55.00	EXP: NA Kzt: NA		HORZ(TL): 0.084 O - -
NCBCLL:	10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	TCDL: NA psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.889
Load Duration:	1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.865
Spacing:	19.2 "	MWFRS Parallel Dist: NA	Rep Fac: No	Max Web CSI: 0.494
		C&C Dist a: NA	FT/RT:12(0)/10(0)	
		Loc. from endwall: NA	Plate Type(s):	
		I: NA GCpi: NA	WAVE, HS	VIEW Ver: 24.02.00C.1213.15
		Wind Duration: NA		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Y	940	/-	/-	/-	/-	/-
O	940	/-	/-	/-	/-	/-

Y Brg Wid = 3.4 Min Req = 1.5 (Truss)
O Brg Wid = 3.4 Min Req = 1.5 (Truss)
Bearings Y & O are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1715	G - H	0	-4060
C - D	0	-2952	H - I	0	-4054
D - E	0	-2952	I - J	0	-3727
E - F	0	-3727	J - K	0	-2952
F - G	0	-4054	K - L	0	-1715

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Y - X	968	0	T - S	3990	0
X - W	2439	0	S - R	3446	0
W - V	3446	0	R - Q	3446	0
V - U	3990	0	Q - P	2439	0
U - T	4060	0	P - O	968	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Y - B	0	-1317	T - I	506	-216
B - X	1038	0	I - S	0	-441
X - C	0	-1008	S - J	400	0
C - W	714	0	J - Q	0	-686
W - E	0	-686	Q - K	714	0
E - V	400	0	K - P	0	-1008
V - F	0	-441	P - L	1038	0
F - U	506	-216	L - O	0	-1317

Lumber

Top chord: 4x2 SP #1;
Bot chord: 4x2 SP #1;
Webs: 4x2 SP #3;

Plating Notes

All plates are 3X4 except as noted.

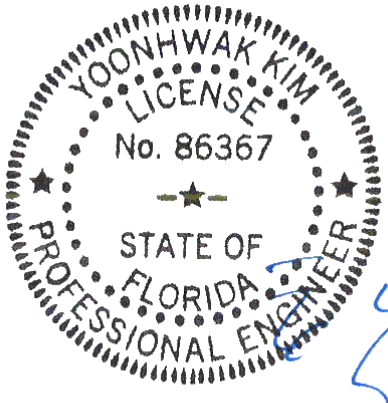
Deflection

Max JT VERT DEFL: LL: 0.40" DL: 0.15". 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.



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155 Harlem Ave
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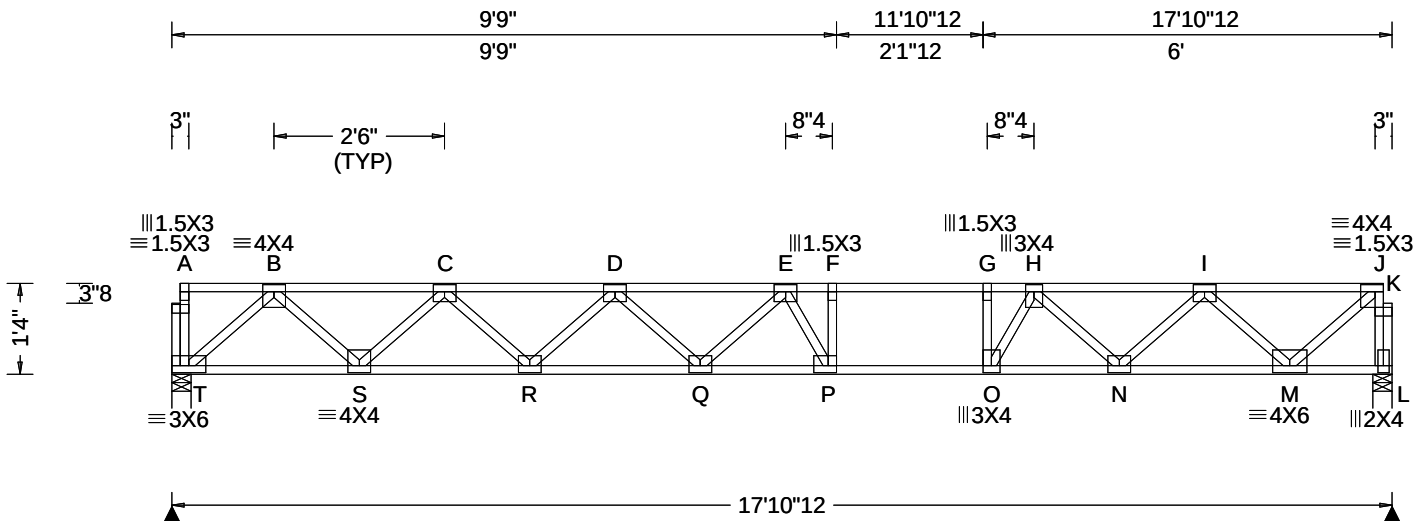
Glenview, IL 60025

SEQN: 66110 SY42 FROM: RJL	Ply: 1 Qty: 4	**Job Number:** B61800b DAVIS RESIDENCE **Truss Label:** F102 17'10"12 Floor Truss	Cust: R 857 JRef:1Ye08570002 T4 DrwNo: 279.25.0938.36887 SSB / YK 10/06/2025	



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 19.2 "

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
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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: No
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in		loc	L/defl	L/#
VERT(LL):	0.287	P	733	360
VERT(CL):	0.394	P	533	240
HORZ(LL):	0.045	B	-	-
HORZ(TL):	0.062	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.835
Max BC CSI: 0.954
Max Web CSI: 0.481

VIEW Ver: 24.02.00C.1213.15

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
T	777	/-	/-		/-	/-	/-
L	777	/-	/-		/-	/-	/-

T Brg Wid = 3.4 Min Req = 1.5 (Truss)
L Brg Wid = 3.4 Min Req = 1.5 (Truss)
Bearings T & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1371	F - G	0	-2629
C - D	0	-2268	G - H	0	-2609
D - E	0	-2724	H - I	0	-1865
E - F	0	-2637	I - J	0	-743

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	792	0	P - O	2629	0
S - R	1926	0	O - N	2342	0
R - Q	2601	0	N - M	1426	0
Q - P	2770	0			

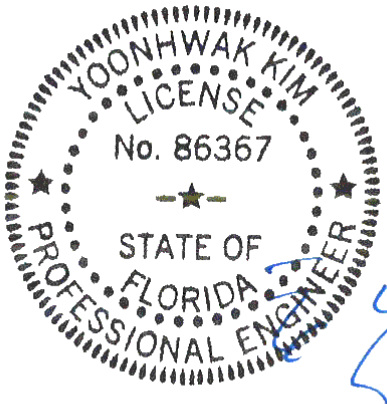
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
T - B	0	-1077	O - H	747	0
B - S	805	0	H - N	0	-663
S - C	0	-771	N - I	610	0
C - R	476	0	I - M	0	-951
R - D	0	-462	M - J	1010	0
E - P	158	-448	J - K	0	-766
G - O	0	-492	K - L	0	-770

Lumber
Top chord: 4x2 SP #1;
Bot chord: 4x2 SP #1;
Webs: 4x2 SP #3;

Plating Notes
All plates are 3X4 except as noted.

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



COA#0-278, Yoonhwak Kim, FL PE #86367
10/06/2025 Florida Certificate of Product Approval #FL 1999

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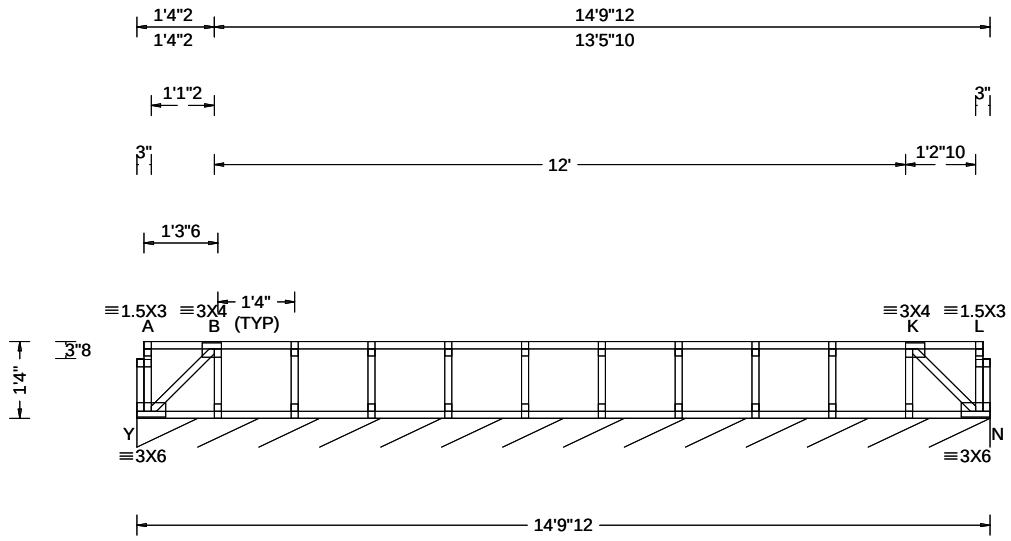
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66114 SY42 FROM: RJL	Ply: 1 Qty: 1	**Job Number:** B61800b DAVIS RESIDENCE **Truss Label:** F103 14'9"12 Gable		Cust: R 857 JRef:1Ye08570002 T7 DrwNo: 279.25.0938.38100 SSB / YK 10/06/2025	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.000 L 999 360
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.000 L 999 240
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.000 Y - -
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.000 Y - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: NA psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.063
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.015
Spacing: 19.2 "	MWFRS Parallel Dist: NA	Rep Fac: No	Max Web CSI: 0.025
	C&C Dist a: NA	FT/RT:20(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 24.02.00C.1213.15
	Wind Duration: NA		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N*	87	/-	/-	/-	/-	/-
N	Brg Wid = 177		Min Req = -			

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

Lumber

Top chord: 4x2 SP #1;
Bot chord: 4x2 SP #1;
Webs: 4x2 SP #3;

Bracing

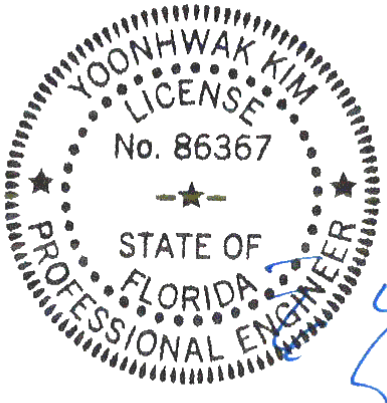
Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Plating Notes

All plates are 1.5X3 except as noted.

Additional Notes

Truss must be installed as shown with top chord up.



COA#0-278, Yoonhwak Kim, FL PE #86367
10/06/2025 Florida Certificate of Product Approval #FL 1999

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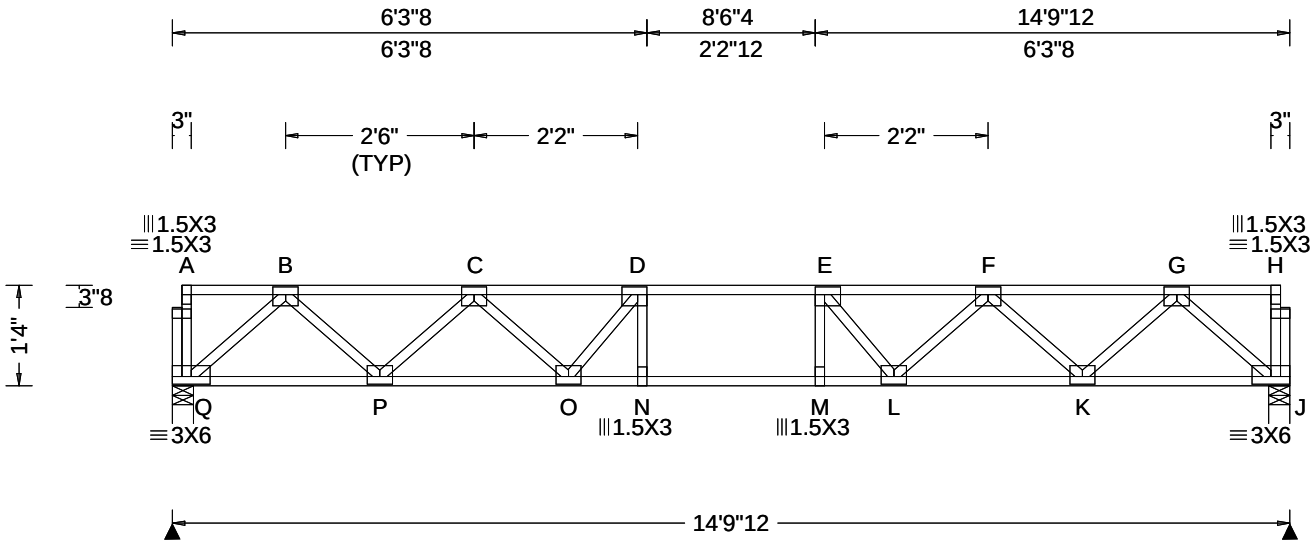
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66112 SY42 FROM: RJL	Ply: 1 Qty: 10	**Job Number:** B61800b DAVIS RESIDENCE **Truss Label:** F104 14'9"12 Floor Truss	Cust: R 857 JRef:1Ye08570002 T3 DrwNo: 279.25.0938.39360 SSB / YK 10/06/2025



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 19.2 "

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
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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: No
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.119	D	999	360
VERT(CL): 0.157	N	999	240
HORZ(LL): 0.024	B	-	-
HORZ(TL): 0.031	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.377
Max BC CSI: 0.586
Max Web CSI: 0.289

VIEW Ver: 24.02.00C.1213.15

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	641	/-	/-	/-	/-	/-
J	641	/-	/-	/-	/-	/-

Q Brg Wid = 3.4 Min Req = 1.5 (Truss)
J Brg Wid = 3.4 Min Req = 1.5 (Truss)
Bearings Q & J are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1083	E - F	0	-1713
C - D	0	-1713	F - G	0	-1083
D - E	0	-1863			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	647	0	M - L	1863	0
P - O	1495	0	L - K	1495	0
O - N	1863	0	K - J	647	0
N - M	1863	0			

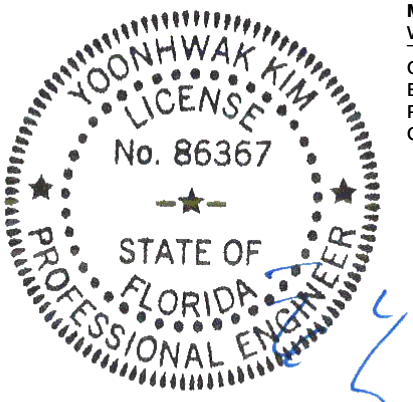
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - B	0	-880	E - L	0	-384
B - P	606	0	F - K	0	-574
P - C	0	-574	K - G	606	0
O - D	0	-384	G - J	0	-880

Lumber
Top chord: 4x2 SP #1;
Bot chord: 4x2 SP #1;
Webs: 4x2 SP #3;

Plating Notes
All plates are 3X4 except as noted.

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



COA#0-278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
10/06/2025

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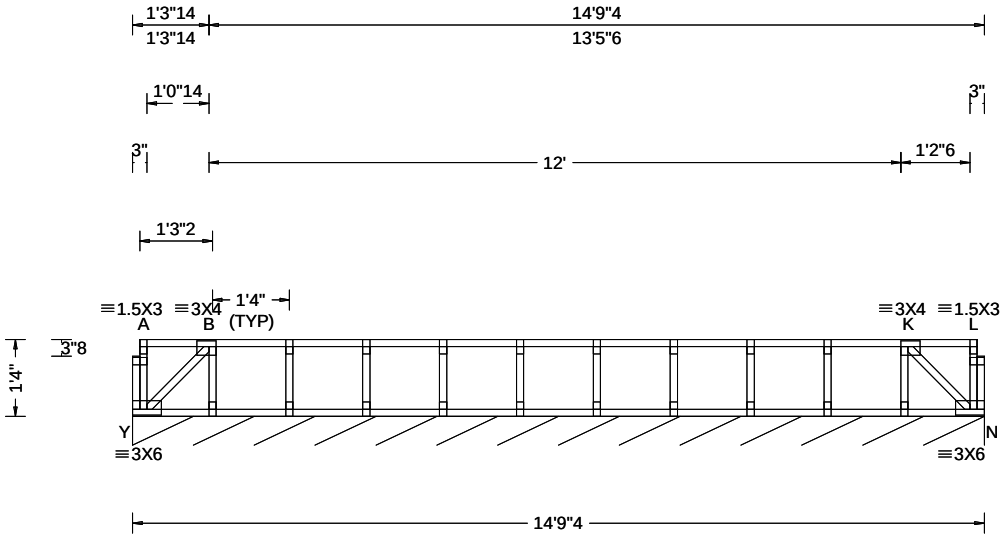
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66128 SY42 FROM: RJL	Ply: 1 Qty: 2	**Job Number:** B61800b DAVIS RESIDENCE **Truss Label:** F105 14'9"4 Gable		Cust: R 857 JRef:1Ye08570002 T8 DrwNo: 279.25.0938.40590 SSB / YK 10/06/2025	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.000 L 999 360
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.000 L 999 240
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.000 Y - -
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.000 Y - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: NA psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.062
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.015
Spacing: 19.2 "	MWFRS Parallel Dist: NA	Rep Fac: No	Max Web CSI: 0.025
	C&C Dist a: NA	FT/RT:20(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 24.02.00C.1213.15
	Wind Duration: NA		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N*	87	/-	/-	/-	/-	/-
N	Brg Wid = 177		Min Req = -			

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

Lumber

Top chord: 4x2 SP #1;
Bot chord: 4x2 SP #1;
Webs: 4x2 SP #3;

Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Plating Notes

All plates are 1.5X3 except as noted.

Additional Notes

Truss must be installed as shown with top chord up.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278, Yoonhwak Kim, FL PE #86367
10/06/2025 Florida Certificate of Product Approval #FL 1999

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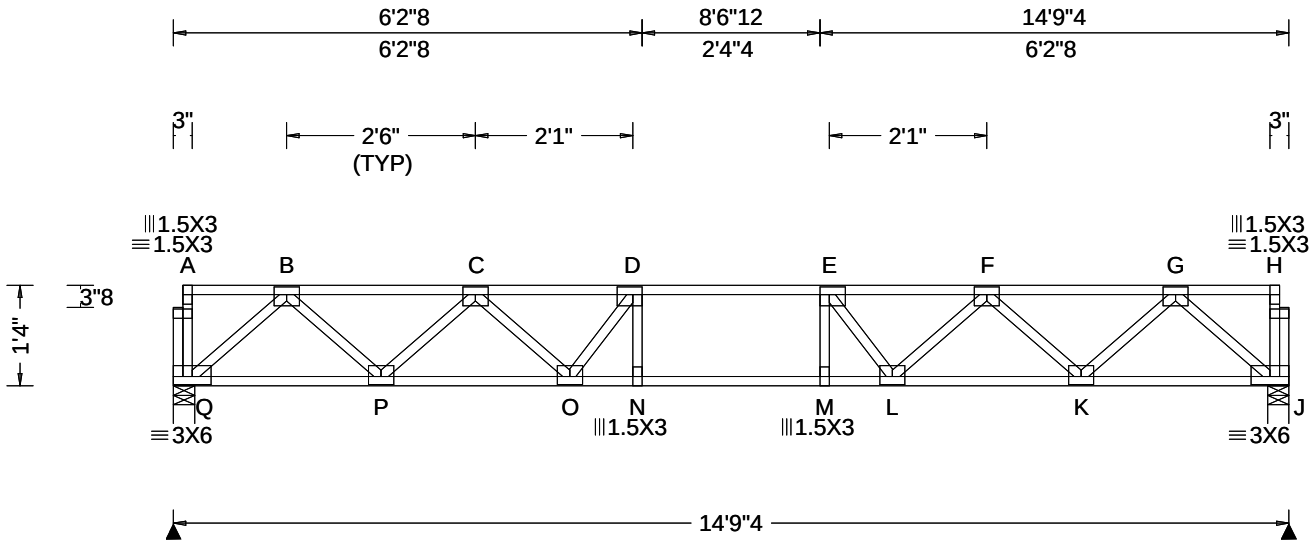
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66126 SY42 FROM: RJL	Ply: 1 Qty: 14	**Job Number:** B61800b DAVIS RESIDENCE **Truss Label:** F106 14'9"4 Floor Truss	Cust: R 857 JRef:1Ye08570002 T6 DrwNo: 279.25.0938.42490 SSB / YK 10/06/2025



Loading Criteria (psf)		**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL:	40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.122 E 999 360
BCLL:	0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.160 D 999 240
BCDL:	5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.019 J - -
Des Ld:	55.00	EXP: NA Kzt: NA		HORZ(TL): 0.031 B - -
NCBCLL:	10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	TCDL: NA psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.436
Load Duration:	1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.596
Spacing:	19.2 "	MWFRS Parallel Dist: NA	Rep Fac: No	Max Web CSI: 0.287
		C&C Dist a: NA	FT/RT:12(0)/10(0)	
		Loc. from endwall: NA	Plate Type(s):	VIEW Ver: 24.02.00C.1213.15
		I: NA GCpi: NA	WAVE	
		Wind Duration: NA		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	639	/-	/-	/-	/-	/-
J	639	/-	/-	/-	/-	/-

Q Brg Wid = 3.4 Min Req = 1.5 (Truss)
J Brg Wid = 3.4 Min Req = 1.5 (Truss)
Bearings Q & J are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1078	E - F	0	-1709
C - D	0	-1709	F - G	0	-1078
D - E	0	-1849			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	645	0	M - L	1848	0
P - O	1488	0	L - K	1488	0
O - N	1848	0	K - J	645	0
N - M	1849	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - B	0	-878	E - L	0	-388
B - P	602	0	F - K	0	-570
P - C	0	-570	K - G	602	0
O - D	0	-388	G - J	0	-878

Lumber

Top chord: 4x2 SP #1;
Bot chord: 4x2 SP #1;
Webs: 4x2 SP #3;

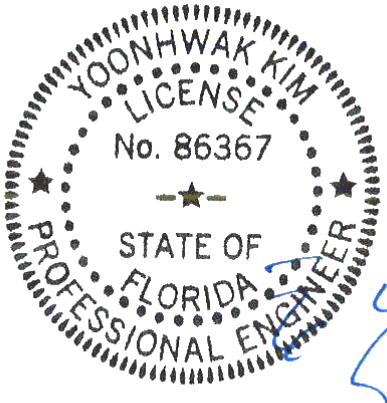
Plating Notes

All plates are 3X4 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.



COA#0-278, Yoonhwak Kim, FL PE #86367
10/06/2025 Florida Certificate of Product Approval #FL 1999

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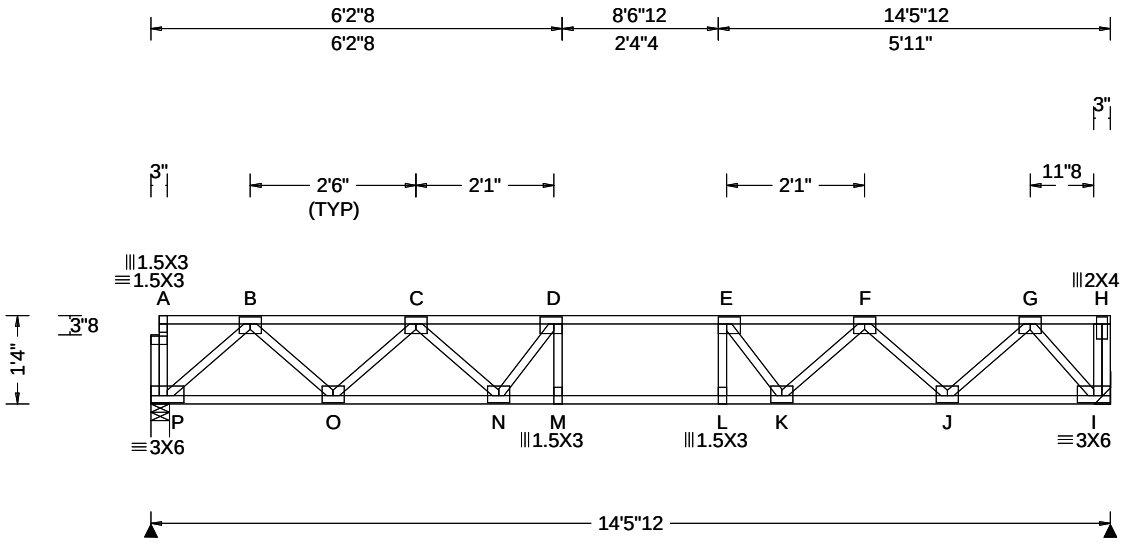
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66130 SY42 FROM: RJL	Ply: 1 Qty: 5	**Job Number:** B61800b DAVIS RESIDENCE **Truss Label:** F107 14'5"12 Floor Truss		Cust: R 857 JRef:1Ye08570002 T9 DrwNo: 279.25.0938.44023 SSB / YK 10/06/2025	



Loading Criteria (psf)
TCLL: 40.00
TCDL: 10.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 55.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 19.2 "

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
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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: No
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.123	D	999	360
VERT(CL): 0.161	D	999	240
HORZ(LL): 0.025	B	-	-
HORZ(TL): 0.032	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.424
Max BC CSI: 0.620
Max Web CSI: 0.296

VIEW Ver: 24.02.00C.1213.15

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
P	624	/-	/-		/-	/-	/-
I	640	/-	/-		/-	/-	/-

P Brg Wid = 3.4 Min Req = 1.5 (Truss)
I Brg Wid = - Min Req = -
Bearing P is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1045	E - F	0	-1591
C - D	0	-1641	F - G	0	-924
D - E	0	-1755			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	628	0	L - K	1753	0
O - N	1440	0	K - J	1348	0
N - M	1756	0	J - I	477	0
M - L	1755	0			

Maximum Web Forces Per Ply (lbs)

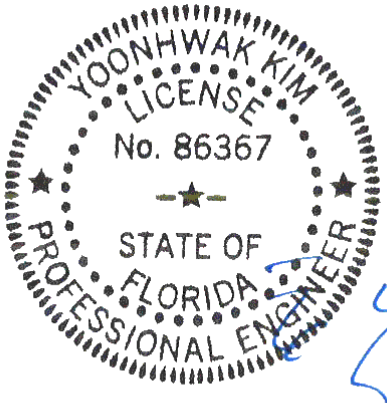
Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - B	0	-854	K - F	380	0
B - O	581	0	F - J	0	-590
O - C	0	-549	J - G	621	0
E - K	0	-410	G - I	0	-772

Lumber
Top chord: 4x2 SP #1;
Bot chord: 4x2 SP #1;
Webs: 4x2 SP #3;

Plating Notes
All plates are 3X4 except as noted.

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.



COA#0-278, Yoonhwak Kim, FL PE #86367
10/06/2025 Florida Certificate of Product Approval #FL 1999

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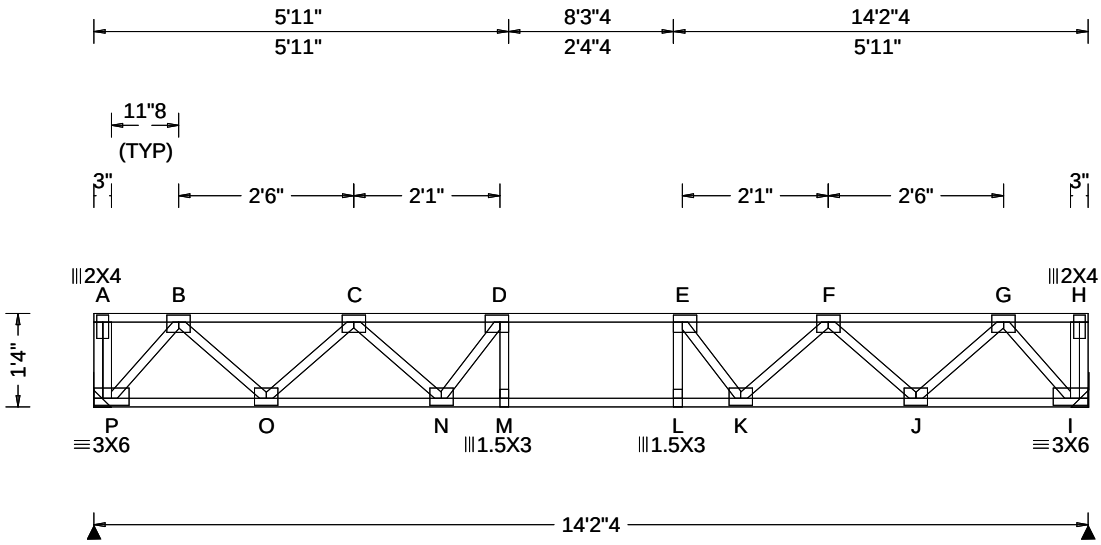
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66132 SY42 FROM: RJL	Ply: 1 Qty: 5	**Job Number:** B61800b DAVIS RESIDENCE **Truss Label:** F108 14'2"4 Floor Truss	Cust: R 857 JRef:1Ye08570002 T10 DrwNo: 279.25.0938.45450 SSB / YK 10/06/2025



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 19.2 "

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
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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: No
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.085	E	999	360
VERT(CL): 0.139	E	999	240
HORZ(LL): 0.017	B	-	-
HORZ(TL): 0.029	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.391
Max BC CSI: 0.550
Max Web CSI: 0.286

VIEW Ver: 24.02.00C.1213.15

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	624	/-	/-	/-	/-	/-
I	624	/-	/-	/-	/-	/-

P Brg Wid = - Min Req = -
I 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	-896	E - F	0	-1527
C - D	0	-1527	F - G	0	-896
D - E	0	-1666			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	464	0	L - K	1666	0
O - N	1305	0	K - J	1305	0
N - M	1666	0	J - I	464	0
M - L	1666	0			

Maximum Web Forces Per Ply (lbs)

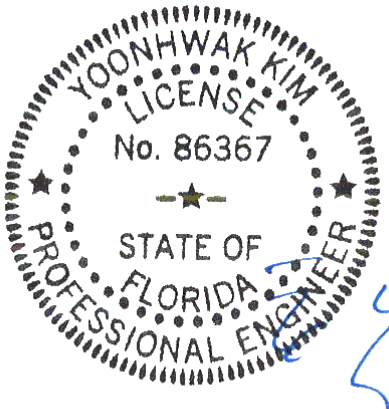
Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - B	0	-751	F - J	0	-570
B - O	600	0	J - G	600	0
O - C	0	-570	G - I	0	-751

Lumber
Top chord: 4x2 SP #1;
Bot chord: 4x2 SP #1;
Webs: 4x2 SP #3;

Plating Notes
All plates are 3X4 except as noted.

Hangers / Ties
(J) Hanger Support Required, by others
(H2) = (J) Special hanger required Unavailable supporting member.

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



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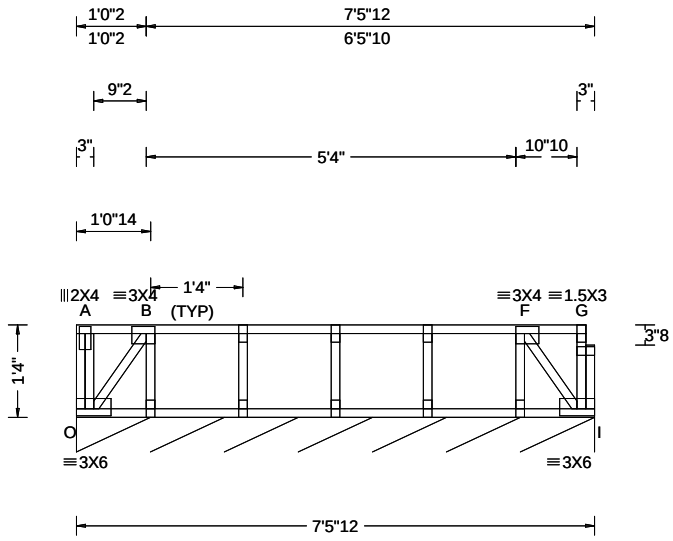
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66116 SY42 FROM: RJL	Ply: 1 Qty: 1	**Job Number:** B61800b DAVIS RESIDENCE **Truss Label:** F109 7'5"12 Gable	Cust: R 857 JRef:1Ye08570002 T5 DrwNo: 279.25.0938.46683 SSB / YK 10/06/2025



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.000 C 999 360
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.000 C 999 240
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.000 F - -
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.000 F - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: NA psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.056
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.013
Spacing: 19.2 "	MWFRS Parallel Dist: NA	Rep Fac: No	Max Web CSI: 0.026
	C&C Dist a: NA	FT/RT:20(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 24.02.00C.1213.15
	Wind Duration: NA		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I*	87	/-	/-	/-	/-	/-
I	Brg Wid = 89.7	Min Req = -				

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

Lumber

Top chord: 4x2 SP #1;
Bot chord: 4x2 SP #1;
Webs: 4x2 SP #3;

Bracing

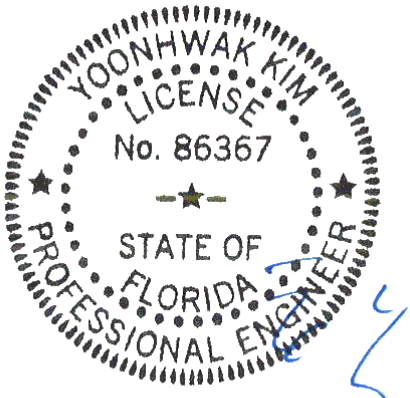
Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Plating Notes

All plates are 1.5X3 except as noted.

Additional Notes

Truss must be installed as shown with top chord up.



COA#0-278, Yoonhwak Kim, FL PE #86367
10/06/2025 Florida Certificate of Product Approval #FL 1999

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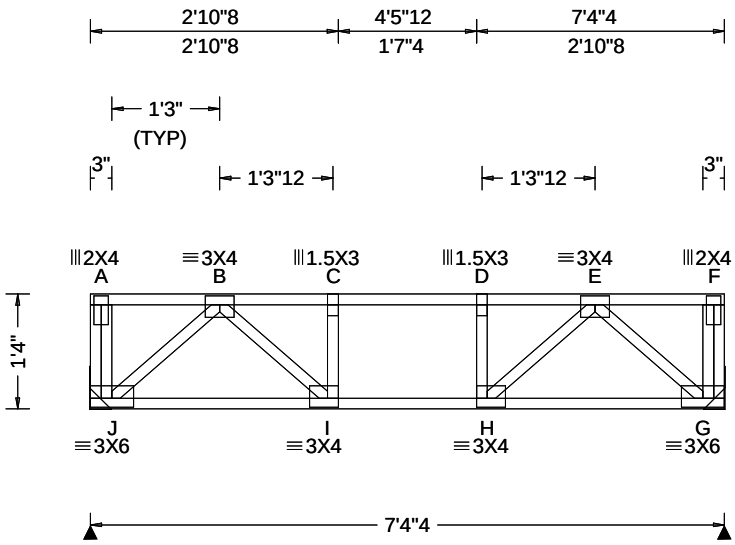
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66124 SY42 FROM: RJL	Ply: 1 Qty: 1	**Job Number:** B61800b DAVIS RESIDENCE **Truss Label:** F110 7'4"4 Floor Truss	Cust: R 857 JRef:1Ye08570002 T14 DrwNo: 279.25.0938.47820 SSB / YK 10/06/2025



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 19.2 "

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
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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: No
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.018	C	999	360
VERT(CL): 0.023	D	999	240
HORZ(LL): 0.006	B	-	-
HORZ(TL): 0.007	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.151
Max BC CSI: 0.119
Max Web CSI: 0.106

VIEW Ver: 24.02.00C.1213.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	323	/-	/-	/-	/-	/-
G	323	/-	/-	/-	/-	/-

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	-403	D - E	0	-403
C - D	0	-410			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
I - H	410	0

Lumber
Top chord: 4x2 SP #1;
Bot chord: 4x2 SP #1;
Webs: 4x2 SP #3;

Hangers / Ties
(J) Hanger Support Required, by others
(H2) = (J) Special hanger required Unavailable supporting member.

Additional Notes
Truss must be installed as shown with top chord up.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
10/06/2025

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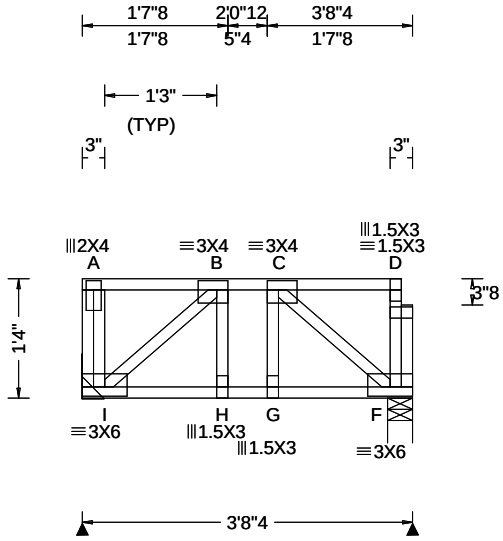
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66119 SY42 FROM: RJL	Ply: 1 Qty: 7	**Job Number:** B61800b DAVIS RESIDENCE **Truss Label:** F111 3'8"4 Floor Truss	Cust: R 857 JRef:1Ye08570002 T16 DrwNo: 279.25.0938.48880 SSB / YK 10/06/2025	



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 19.2 "

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
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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: No
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.002	G	999	360
VERT(CL): 0.003	C	999	240
HORZ(LL): 0.001	B	-	-
HORZ(TL): 0.001	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.073
Max BC CSI: 0.047
Max Web CSI: 0.032

VIEW Ver: 24.02.00C.1213.15

▲Maximum Reactions (lbs)

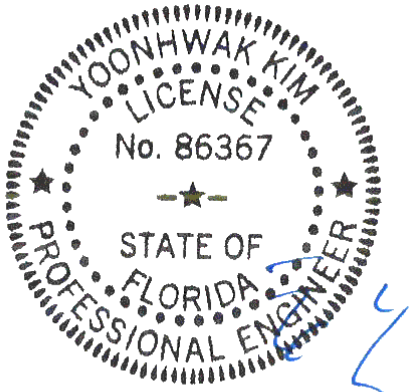
	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
I	166 /-	/-	/-	/-	/-
F	149 /-	/-	/-	/-	/-

I Brg Wid = - Min Req = -
F Brg Wid = 3.4 Min Req = 1.5 (Truss)
Bearing F is a rigid surface.
Members not listed have forces less than 375#

Lumber
Top chord: 4x2 SP #1;
Bot chord: 4x2 SP #1;
Webs: 4x2 SP #3;

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

Additional Notes
Truss must be installed as shown with top chord up.



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10/06/2025 Certificate of Product Approval #FL 1999

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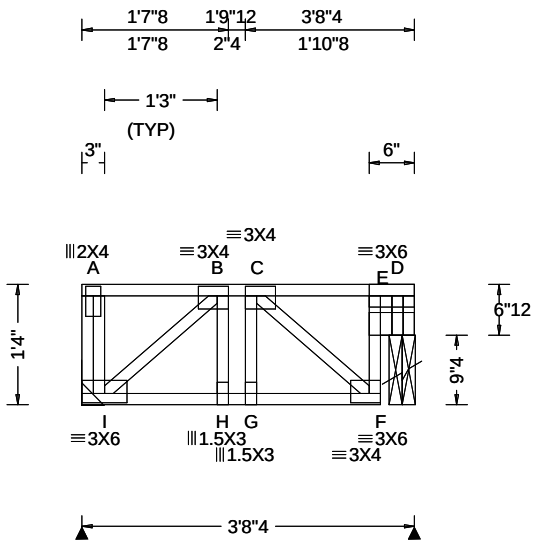
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66121 SY42 FROM: RJL	Ply: 1 Qty: 2	**Job Number:** B61800b DAVIS RESIDENCE **Truss Label:** F112 3'8"4 Floor Truss	Cust: R 857 JRef:1Ye08570002 T17 DrwNo: 279.25.0938.51240 SSB / YK 10/06/2025



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 19.2 "

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
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 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: No
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.004	C	999	360
VERT(CL): 0.005	C	999	240
HORZ(LL): 0.001	B	-	-
HORZ(TL): 0.001	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.108
Max BC CSI: 0.046
Max Web CSI: 0.154

VIEW Ver: 24.02.00C.1213.15

▲Maximum Reactions (lbs)

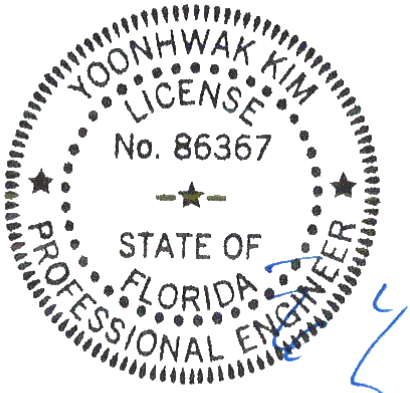
	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
I	166 /-	/-	/-	/-	/-
E	156 /-	/-	/-	/-	/-

I Brg Wid = - Min Req = -
E Brg Wid = 3.4 Min Req = 1.5 (Support)
Bearing E is a rigid surface.
Members not listed have forces less than 375#

Lumber
Top chord: 4x2 SP #1;
Bot chord: 4x2 SP #1;
Webs: 4x2 SP #3;
Rt Bearing Leg: 4x2 SP #3;

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

Additional Notes
Truss must be installed as shown with top chord up.



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10/06/2025

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Cracked or Broken Member Repair Detail

This drawing specifies repairs for a truss with broken chord or web member.

This design is valid only for single ply trusses with 2x4 or 2x6 broken members. No more than one break per chord panel and no more than two breaks per truss are allowed. Contact the truss manufacturer for any repairs that do not comply with this detail.

(B) = Damaged area, 12" max length of damaged section
(L) = Minimum nailing distance on each side of damaged area (B)
(S) = Two 2x4 or two 2x6 side members, same size, grade, and species as damaged member. Apply one scab per face. Minimum side member length(s) = (2)(L) + (B)

Scab member length (S) must be within the broken panel.

Nail into 2x4 members using two (2) rows at 4" o.c., rows staggered.
Nail into 2x6 members using three (3) rows at 4" o.c., rows staggered.

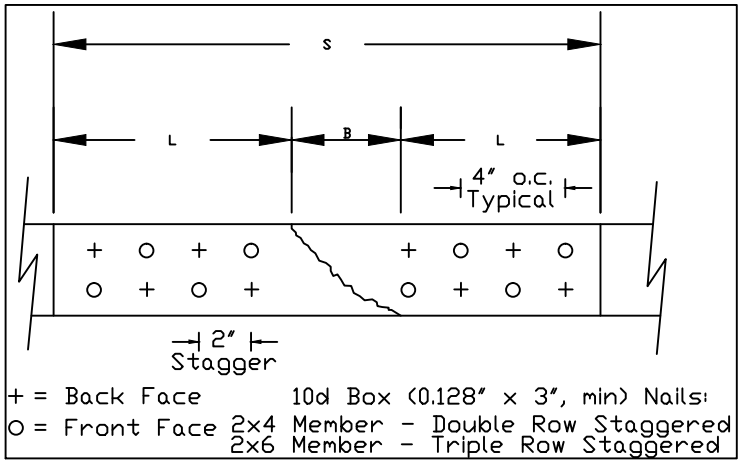
Nail using 10d box or gun nails (0.128"x3", min) into each side member.

The maximum permitted lumber grade for use with this detail is limited to Visual grade #1 and MSR grade 1650f.

This repair detail may be used for broken connector plate at mid-panel splices.

This repair detail may not be used for damaged chord or web sections occurring within the connector plate area.

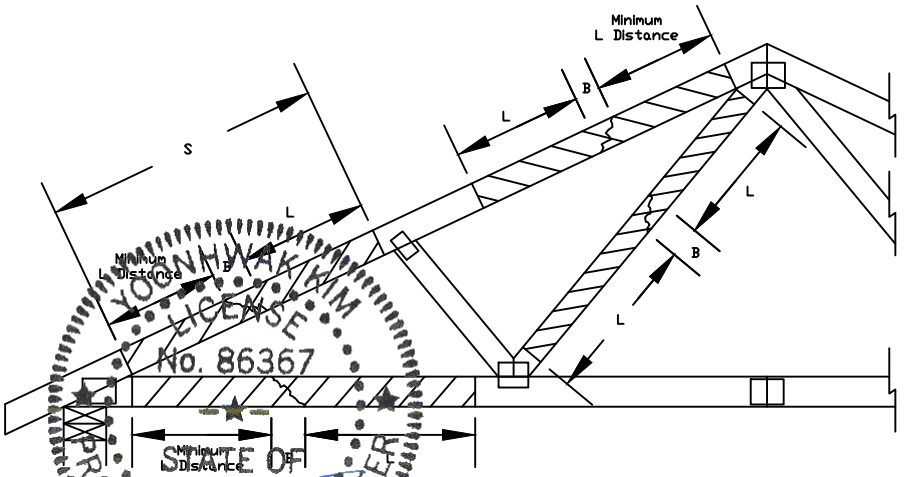
Broken chord may not support any tie-in loads.



Nail Spacing Detail

Load Duration = 0%
Member forces may be increased for Duration of Load

Member	Size	L	Maximum Member Axial Force SPF-C	HF	DF-L	SYP
Web Only	2x4	12"	620#	635#	730#	800#
Web Only	2x4	18"	975#	1055#	1295#	1415#
Web or Chord	2x4	24"	975#	1055#	1495#	1745#
Web or Chord	2x6		1465#	1585#	2245#	2620#
Web or Chord	2x4	30"	1910#	1960#	2315#	2555#
Web or Chord	2x6		2230#	2365#	3125#	3575#
Web or Chord	2x4	36"	2470#	2530#	2930#	3210#
Web or Chord	2x6		3535#	3635#	4295#	4745#
Web or Chord	2x4	42"	2975#	3045#	3505#	3835#
Web or Chord	2x6		4395#	4500#	5225#	5725#
Web or Chord	2x4	48"	3460#	3540#	4070#	4445#
Web or Chord	2x6		5165#	5280#	6095#	6660#



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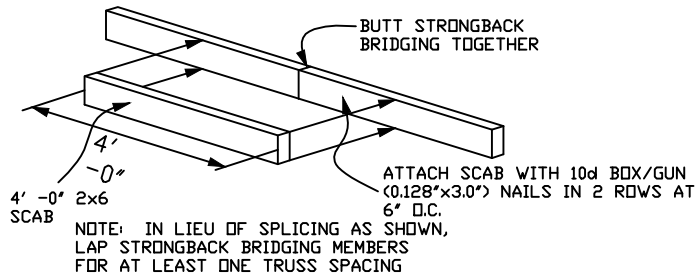
REF	MEMBER REPAIR
DATE	10/01/14
DRWG	REPCHRD1014

SPACING 24.0" MAX

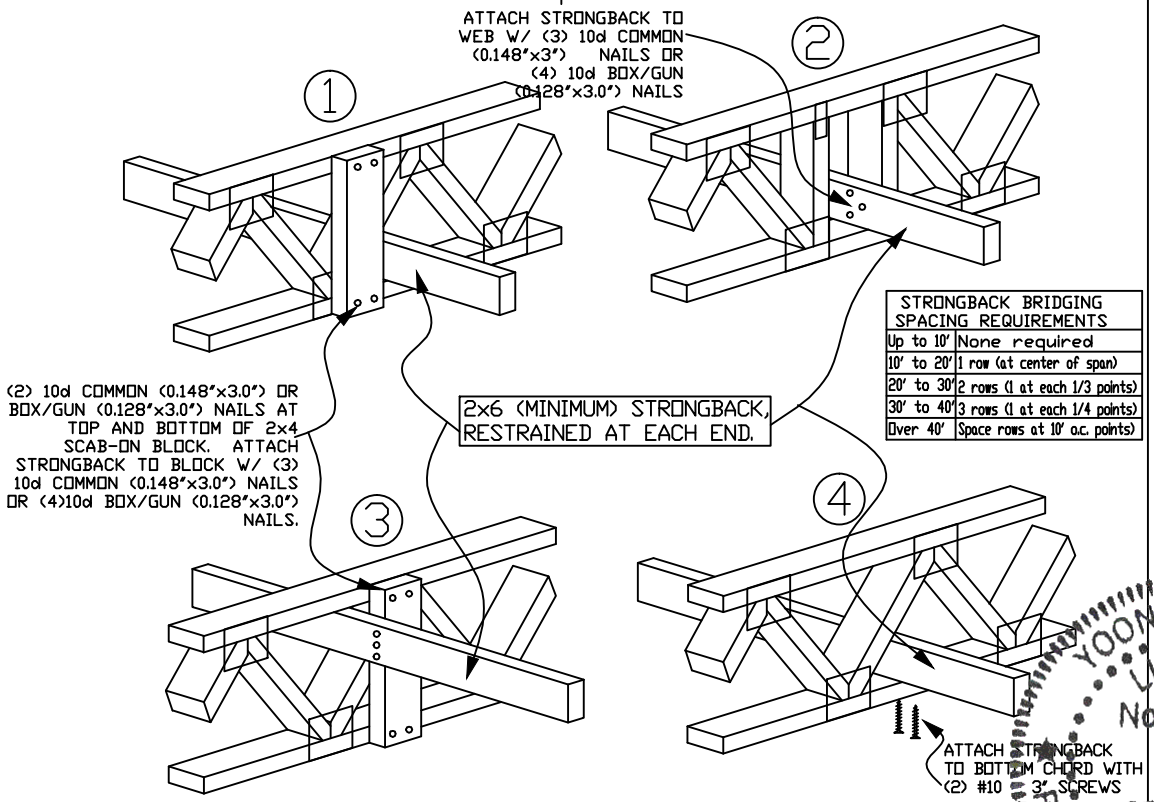
10/06/2025
COA#0-278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999

STRONGBACK BRIDGING RECOMMENDATIONS



STRONGBACK BRIDGING SPLICE DETAIL

NOTE: Details 1 and 2 are the preferred attachment methods



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

STRONGBACK BRIDGING ATTACHMENT ALTERNATIVES

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

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

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

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

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COA#0-278, Yoonhwak Kim, FL PE #86367
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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) + (1.0 x Design Dead Load Deflection)

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

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