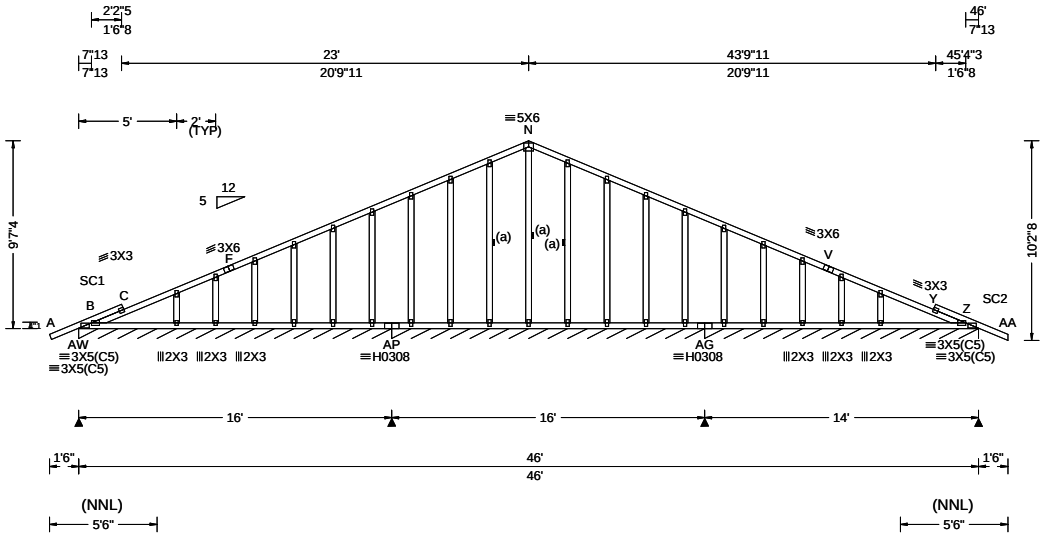
SEQN: 362568 GABL FROM:	Ply: 1 Qty: 2	**Job Number:** NT3-221144-R Lane Residence **Truss Label:** G01	Cust: R 6434 JRef:1XI564340070 T3 DrwNo: 229.22.0929.09230 DEH / FK 08/17/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 20.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 140 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.015 C 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.031 C 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.005 Y - -
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.010 Y - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.214
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.145
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.194
	C&C Dist a: 4.60 ft	FT/RT/PT:10(0)/10(0)/4(0)	
	Loc. from endwall: Any	Plate Type(s):	
	GCpi: 0.18	WAVE, HS	VIEW Ver: 21.02.01.1216.15
	Wind Duration: 1.33		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AW	*87	/-	/-	/55	/10	/14
AP	*84	/-	/-	/44	/3	/-
AG	*87	/-	/-	/55	/10	/-

Wind reactions based on MWFRS
AW Brg Wid = 192 Min Req = -
AP Brg Wid = 192 Min Req = -
AG Brg Wid = 168 Min Req = -
Bearings AW, AP, & AG are a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Plates sized for a minimum of 2.30 sq.in./piece.

Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

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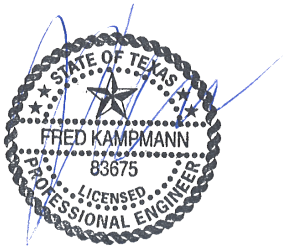

TX COA #F-2938

08/17/2022

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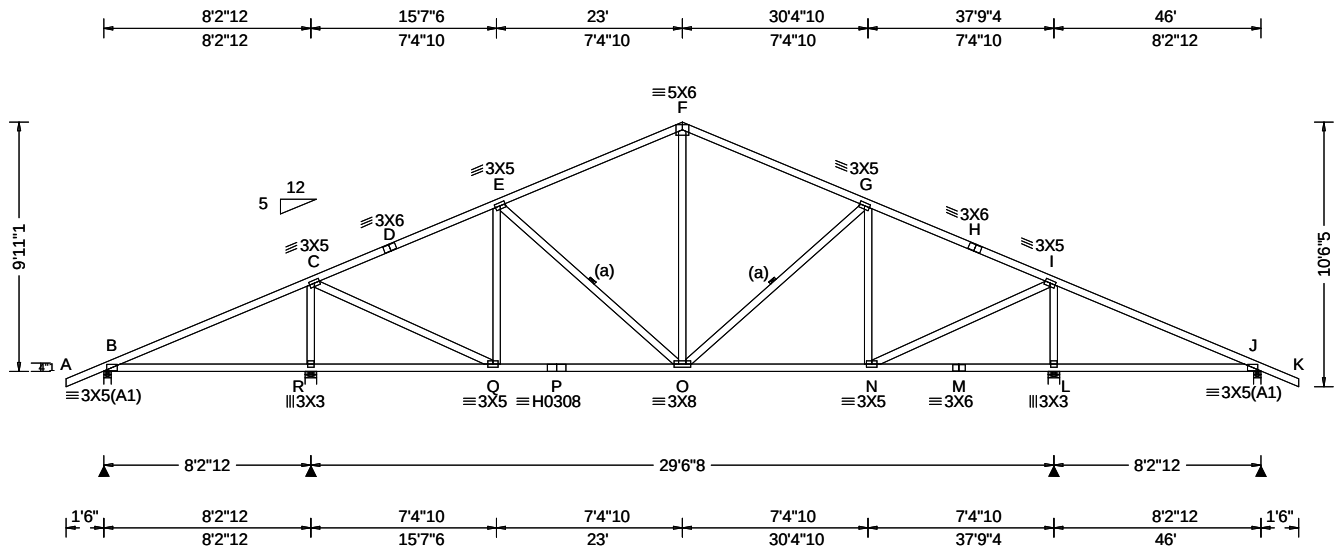
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 362268 / COMN FROM:	Ply: 1 Qty: 29	**Job Number:** NT3-221144-R Lane Residence **Truss Label:** R01	Cust: R 6434 JRef:1XI564340070 T1 DrwNo: 228.22.2159.08091 DEH / BAF 08/16/2022



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 140 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.60 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

Snow Criteria (Pg,Pf in PSF)
Pg: 20.0 Ct: 1.1 CAT: II
Pf: 15.4 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IRC 2018
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/4(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.041 O	999	360
VERT(CL):	0.083 O	999	240
HORZ(LL):	0.014 B	-	-
HORZ(TL):	0.031 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.760
Max BC CSI: 0.617
Max Web CSI: 0.437

VIEW Ver: 21.02.01.1216.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	449	/-	/-	/223	/51	/219
R	1581	/-	/-	/951	/125	/-
L	1581	/-	/-	/902	/125	/-
J	449	/-	/-	/271	/51	/-

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
R Brg Wid = 5.5 Min Req = 1.5 (Truss)
L Brg Wid = 5.5 Min Req = 1.5 (Truss)
J Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings B, R, L, & J Fcperp = 565psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	410	- 1165	F - G	482	- 1080
D - E	428	- 1093	G - H	420	- 1093
E - F	488	- 1080	H - I	402	- 1165

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	1001	- 172	O - N	1001	- 152
P - O	1001	- 172			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - C	474	- 1382	N - I	1146	- 214
C - Q	1146	- 222	I - L	475	- 1382
F - O	414	- 80			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
Plates sized for a minimum of 2.30 sq.in./piece.

Loading
Bottom chord checked for 10.00 psf non-concurrent live load.
Truss designed for unbalanced snow loads.

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes
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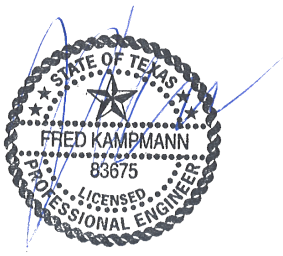

TX COA #F-2938

08/17/2022

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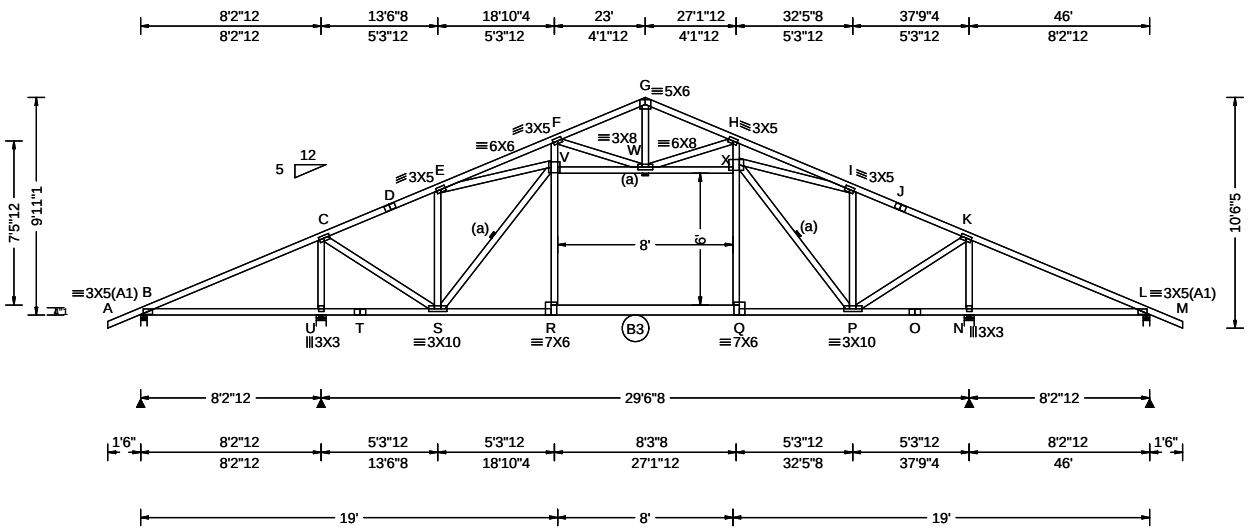
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 362703 / T2 / COMN FROM:	Ply: 1 Qty: 4 Wgt: 296.8 lbs	**Job Number:** NT3-221144-PRF Lane Residence **Truss Label:** R02	DRW: ... / ... 08/26/2022



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00 Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16 Speed: 140 mph
Enclosure: Closed Risk Category: II
TCDL: 5.0 psf BCDL: 5.0 psf EXP: B
Mean Height: 15.00 ft Kzt: NA
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.60 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

Snow Criteria
(Pg,Pf in PSF)
Pg: 20.0 Ct: 1.1
Pf: 15.4
CAT: II Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IRC 2018
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/4(0)
Plate Type:
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL): 0.041	R	999	360	Max TC CSI: 0.920
VERT(CL): 0.090	R	999	240	Max BC CSI: 0.745
HORZ(LL): 0.017	L	-	-	Max Web CSI: 0.479
HORZ(TL): 0.035	L	-	-	Creep Factor: 2.0

Mfg Specified Camber:

VIEW Ver: 21.02.01.1216.15

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B3 2x6 SP #2;
Webs: 2x4 SP #3;

Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
All plates are 3X6 except as noted.
Plates sized for a minimum of 2.30 sq.in./piece.

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	-1.50 to	62 plf at	47.50
BC: From	4 plf at	-1.50 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	18.98
BC: From	60 plf at	18.98 to	60 plf at	26.99
BC: From	20 plf at	26.99 to	20 plf at	46.00
BC: From	4 plf at	46.00 to	4 plf at	47.50

Loading
Bottom chord checked for 10.00 psf non-concurrent live load.
Truss designed for unbalanced snow loads.

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes
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▲Maximum Reactions (lbs)

Loc	R+	/ R-	/ Rh	Gravity / Rw	Non-Gravity / U	/ RL
B	466	/-	/-	/207	/55	/219
U	1729	/-	/-	/984	/148	/-
N	1721	/-	/-	/932	/147	/-
L	470	/-	/-	/258	/57	/-

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
U Brg Wid = 5.5 Min Req = 1.7 (Truss)
N Brg Wid = 5.5 Min Req = 1.7 (Truss)
L Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings B, U, N, & L Fcperp = 565psi.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	38	- 9	G - H	281	- 584
B - C	196	- 252	H - I	312	- 1012
C - D	405	- 1196	I - J	407	- 1129
D - E	415	- 1124	J - K	398	- 1201
E - F	328	- 1064	K - L	139	- 263
F - G	278	- 584	L - M	38	- 9

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - U	156	- 69	Q - P	1350	- 176
U - T	184	- 33	P - O	193	- 57
T - S	184	- 33	O - N	193	- 57
S - R	1350	- 176	N - L	166	- 64
R - Q	1338	- 178			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - C	472	- 1527	W - H	172	- 475
C - S	1256	- 219	W - X	273	- 669
S - E	139	- 280	H - X	155	- 217
S - V	52	- 576	X - Q	344	0
E - V	244	- 428	X - I	249	- 434
R - V	344	0	X - P	49	- 566
V - F	145	- 201	I - P	135	- 268
V - W	271	- 660	P - K	1247	- 208
F - W	173	- 504	K - N	462	- 1519
G - W	196	- 66			