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11/14/2024 ABCD Engineering, PLLC NC COA 0838

Site Information:	Page 1:
Customer: Structural Building Solutions LLC	Job Number: Q2411-360
Job Description: The Farm at Neills Creek	
Address: 592 Winding Creek Dr, Lillington, NC 27546	

Job Engineering Criteria:					
Design Code: IRC 2021	IntelliVIEW Version: 23.02.04A				
	JRef #: 1Y4X98360015				
Wind Standard: ASCE 7-16 Wind Speed (mph): 120	Design Loading (psf): 40.00				
Building Type: Closed					

This package contains general notes pages, 38 truss drawing(s) and 7 detail(s).

Item	Drawing Number	Truss
1	319.24.0815.27817	B1A
3	319.24.0816.37740	H1
5	319.24.0816.42847	H2G
7	319.24.0818.34490	V5
9	319.24.0817.54007	PB3
11	318.24.1558.46214	C1
13	319.24.0818.25057	V3
15	319.24.0815.35220	B2
17	319.24.0815.42993	C1D
19	319.24.0817.43537	PB1G
21	319.24.0815.29433	B1G
23	319.24.0818.21383	V2
25	319.24.0817.58030	PB3G
27	318.24.1558.46229	VA3
29	319.24.0818.41620	VA1
31	319.24.0815.13590	A1
33	319.24.0816.05590	G1
35	319.24.0815.40007	B2G
37	319.24.0815.24053	A1T
39	A12015ENC160118	
41	BRCLBSUB0119	
43	GBLLETIN0118	
45	VALTN160118	

Item	Drawing Number	Truss
2	319.24.0817.45473	PB2
4	319.24.0816.39750	H2
6	319.24.0817.29243	PB1
8	319.24.0815.25817	B1
10	319.24.0818.39533	V6
12	319.24.0816.45217	P1
14	319.24.0815.37313	B2A
16	319.24.0815.16030	A1A
18	319.24.0818.16557	V1
20	319.24.0818.28813	V4
22	319.24.0815.20460	A1G
24	319.24.0816.01940	C1G
26	319.24.0818.53947	VA4
28	319.24.0818.49980	VA2
30	319.24.0819.02163	VG4
32	319.24.0816.10807	G1G
34	319.24.0816.08747	G1A
36	319.24.0816.47380	P2
38	319.24.0815.32300	B1T
40	A12030ENC160118	
42	GABRST160118	
44	PB160160118	

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.

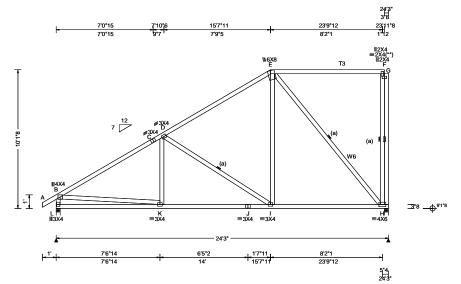
Refer to ASCE-7 for Wind and Seismic abbreviations.

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: 8658 COMN Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T18 FROM: Qty: 1 The Farm at Neills Creek DrwNo: 319.24.0815.27817 Truss Label: B1A / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 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: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	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 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.042 D 999 240 VERT(CL): 0.086 D 999 240 HORZ(LL): 0.012 H HORZ(TL): 0.025 H Creep Factor: 2.0 Max TC CSI: 0.864 Max BC CSI: 0.792 Max Web CSI: 0.665 VIEW Ver: 23.02.04A.0207.13	

	▲ Ma	▲ Maximum Reactions (lbs)								
		G	ravity		No	on-Grav	/ity			
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
0	L 1	1077	/-	/-	/632	/-	/269			
	H 1	1007	/-	/-	/682	/-	/-			
	Wind	l reac	tions b	ased on	MWFRS					
	L I	Brg W	/id = 3.	5 Min	Req = 1.5	(Truss	s)			
	Н 1	Brg V	/id = 3.	5 Min	Req = 1.5	(Truss	s)			
	Bear	ings l	_ & H a	re a rigid	surface.	•				
	Mem	bers	not liste	ed have f	orces less	s than 3	375#			
	Maximum Top Chord Forces Per Ply (lbs)									
	Chor	ds T	ens.Co	mp.	Chords	Tens.	Ćomp.			
	B - C	:	39 -	1384	D-F	58	- 842			
	C-0		44 -				0.2			

Maximum Bot Chord Forces Per Ply (lbs)

Chords

1 - H

Webs

E - I

E - H

G-H

Tens. Comp.

Tens. Comp.

833 - 1114

- 303

- 183

- 41

- 913

1099

619

607

128

Chords Tens.Comp.

1099 - 303

967

153 - 576

K-J

Webs

B-L

B - K

D - I

231 - 482

Tens.Comp.

87 - 1012

Maximum Web Forces Per Ply (lbs)

0

Lumber

Top chord: 2x4 SP #2; T3 2x4 SP SS; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W6 2x4 SP #2; Rt Bearing Leg: 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member

Plating Notes

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

Loading

Design Dead Loads based on material weight adjusted for slope: BC: 7.00 PSF

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

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



11/14/2024

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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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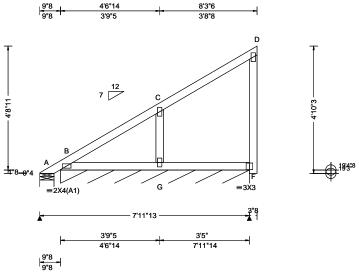
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For more information see these web sites: Alpine: alpineitw.com: TPI: binst.org: SBCA: sbcacomponents.com: ICC: iccsafe.org: AWC: awc.org



SEQN: 7732 MONO Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T20 FROM: Qty: 3 The Farm at Neills Creek DrwNo: 319.24.0817.45473 Truss Label: PB2 / YK 11/14/2024

8'3"6



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
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: 1.15 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 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: 3.00 ft Loc. from endwall: Any	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 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	PP Deflection in loc L/defl L/# VERT(LL): 0.002 D 999 240 VERT(CL): 0.003 D 999 240 HORZ(LL): -0.001 D HORZ(TL): 0.002 D Creep Factor: 2.0 Max TC CSI: 0.241 Max BC CSI: 0.089 Max Web CSI: 0.058
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13

▲ M	laximu	ım Rea	ctions (lb	s), or *=	:PLF		
	G	ravity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Α	_	/-30	/-	/61	/52	/103	
В*	90	/-	/-	/83	/12	/-	
Win	d read	tions b	ased on M	IWFRS			
Α	Brg W	/id = 6	5 Min R	eq = 1.5	(Trus	s)	
В	Brg V	/id = 80	3.3 Min R	eq = -	-	-	
Bearings A & B 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;

Plating Notes

All plates are 2X4 except as noted.

Loading

Design Dead Loads based on material weight adjusted for slope: BC: 7.00 PSF

Bottom chord checked for 10.00 psf non-concurrent

Purlins

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

Wind

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

Right end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.



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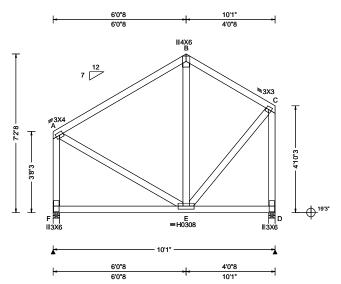
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SEQN: 7726 COMN Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T19 FROM: Qty: 3 The Farm at Neills Creek DrwNo: 319.24.0816.37740 Truss Label: H1 / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/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: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.004 B 999 240		
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.008 B 999 240		
BCDL: 10.00	Risk Category: II EXP: B Kzt: NA	Snow Duration: 1.15	HORZ(LL): -0.002 B		
Des Ld: 40.00	Mean Height: 24.70 ft		HORZ(TL): 0.002 B		
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		
Soffit: 2.00	BCDL: 5.0 psf	IRC 2021	Max TC CSI: 0.693		
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.302		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.386		
	Loc. from endwall: Any	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04A.0207.13		
Lumbor					

	▲ M	axim	um Rea	ctions	(lbs)			
		G	avity		` N	on-Grav	vity	
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
)	F	438	/-	/-	/244	/31	/170	
	D	435	/-	/-	/254	/40	/-	
	Wind reactions based on MWFRS							
	F	Brg V	Vid = 3	.5 Mir	Req = 1.5	5 (Trus	s)	
	D	Brg V	Vid = 3	.5 Mir	Req = 1.5	5 (Trus	s)	
	Bea	rings	F&Da	re a rig	id surface.	•	•	
	Members not listed have forces less than 375#							
	Maximum Web Forces Per Ply (lbs)							
					Webs		Comp.	
	Δ - F	=	187	- 386	C-D	204	- 410	

Lumber

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

Loading

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

Truss designed for unbalanced snow loads.

Wind loads based on MWFRS with additional C&C

End verticals exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.



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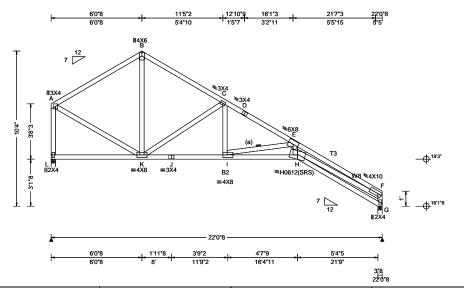
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SEQN: 8668 COMN Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T23 FROM: Qty: 7 The Farm at Neills Creek DrwNo: 319.24.0816.39750 Truss Label: H2 / YK 11/14/2024



Loading Criteria (psf) Wind	Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00 Wind: TCDL: 10.00 Speed BCLL: 0.00 Risk 0 EXP: 10.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 " Wind: Speed	Std: ASCE 7-16 l: 120 mph sure: Closed category: II B Kzt: NA Height: 21.79 ft : 5.0 psf RS Parallel Dist: 0 to h/2 Dist a: 3.00 ft om endwall: Any GCpi: 0.18	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 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.322 H 822 240 VERT(CL): 0.668 H 395 240 HORZ(LL): 0.205 G HORZ(TL): 0.425 G Creep Factor: 2.0 Max TC CSI: 0.995 Max BC CSI: 0.523 Max Web CSI: 0.825 VIEW Ver: 23.02.04A.0207.13	

Lumber

Top chord: 2x4 SP #2; T3 2x4 SP SS; Bot chord: 2x4 SP #2; B2 2x4 SP SS; Webs: 2x4 SP #3; W8 2x4 SP SS;

(a) Continuous lateral restraint equally spaced on

Loading

Bottom chord checked for 10.00 psf non-concurrent

Truss designed for unbalanced snow loads.

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

End verticals exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

	▲ M	laxin	num Re	eactio	ns (lbs)			
ŧ	Gravity				Non-Gravity			
40	Loc	R+	/ R-	/ F	Rh ,	/ Rw	/ U	/ RL
40	L	916	/-	/-		/498	/46	/213
-	G	917	/-	/-		/535	/51	/-
-	Win	d rea	actions	based	on MW	FRS		
	L	Brg	Wid =	3.5	Min Req	= 1.5	5 (Truss	s)
	G	Brg	Wid =	3.5	Min Req	= 1.5	5 (Truss	s)
	Bea	rings	L&G	are a	rigid sur	face.	•	•
	Mer	nber	s not lis	sted ha	ave force	es les	s than 3	375#
	Maximum Top Chord Forces Per Ply (lb					Ply (lb	s)	
	Cho	ords	Tens.0	Comp.	Cho	rds	Tens.	Ćomp.
	A - I	R	154	- 801	D -	F	203	- 1738
	B - (_	160	- 800		_	494	- 5128
	C-	-		- 1633		•	101	3120

Maximum Bot Chord Forces Per Ply (lbs)

Cilolus	rens.comp.		Ciloius	Tens. Comp		
K-J	1413	- 41	I - H	3906	- 363	_
J - I	1413	- 41				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens.	Comp.
A - L	142	- 864	I-E	328	- 2512
A - K	692	-77	E - H	1992	- 102
B - K	410	- 22	H-F	4604	- 387
K-C	155	- 960	G-F	142	- 899
C - I	678	- 28			



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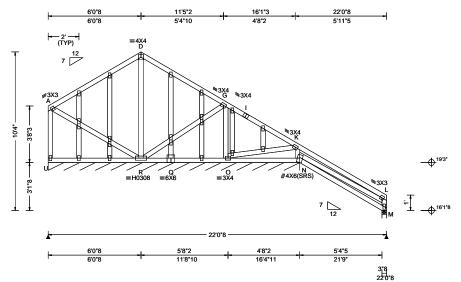
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For more information see these web sites: Alpine: alpineitw.com: TPI: binst.org: SBCA: sbcacomponents.com: ICC: iccsafe.org: AWC: awc.org



SEQN: 8670 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T27 FROM: Qty: 1 The Farm at Neills Creek DrwNo: 319.24.0816.42847 Truss Label: H2G / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 21.79 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	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 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.004 J 999 240 VERT(CL): 0.008 J 999 240 HORZ(LL): -0.002 J HORZ(TL): 0.004 J Creep Factor: 2.0 Max TC CSI: 0.457 Max BC CSI: 0.249 Max Web CSI: 0.163 VIEW Ver: 23.02.04A.0207.13	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /R N* 100 /- /- /55 /4 /13 M 199 /- /- /133 /35 /- Wind reactions based on MWFRS N Brg Wid = 196 Min Req = - M Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings U & M are a rigid surface. Members not listed have forces less than 375# Maximum Bot Chord Forces Per Ply (Ibs) Chords Tens.Comp. O - N 159 -435

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

Plating Notes

All plates are 2X4 except as noted.

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

Truss designed for unbalanced snow loads.

Wind

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

End verticals exposed to wind pressure. Deflection

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other



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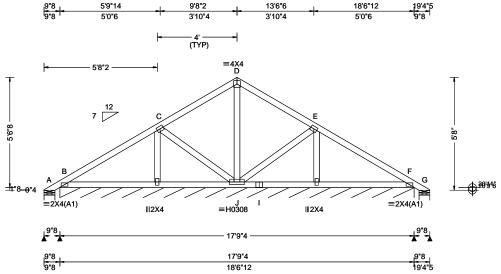
Maximum Web Forces Per Ply (lbs)

Tens.Comp.

119 - 388

Webs

SEQN: 8672 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T25 FROM: Qty: 9 The Farm at Neills Creek DrwNo: 319.24.0817.29243 Truss Label: PB1 / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 "	Wind Stid: ASCE 7-16 Speed: 120 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: 3.85 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	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 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.002 F 999 240 VERT(CL): 0.004 F 999 240 HORZ(LL): 0.001 B - HORZ(TL): 0.002 B - Creep Factor: 2.0 Max TC CSI: 0.341 Max BC CSI: 0.136 Max Web CSI: 0.097 VIEW Ver: 23.02.04A.0207.13	1
Lumban				_

▲ M	axim	um Rea	ctions (It	os), or *=	:PLF	
	G	avity		No	on-Grav	∕ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	_	/-97	/-	/53	/137	/92
В*	93	/-	/-	/78	/4	/-
G	-	/-98	/-	/22	/87	/-
Win	d rea	ctions ba	ased on N	/WFRS		
Α	Brg V	Vid = 6.	5 Min F	Req = 1.5	(Trus	s)
В	Brg \	Vid = 21	3 Min F	. = eq	,	•
			5 Min F		(Trus	s)
Bea	rings	A, B, &	G are a ri	gid surfa	ce.	•
Mer	nbers	not liste	ed have fo	orces les	s than 3	375#

Lumber

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

Plating Notes

All plates are 3X4 except as noted.

Loading

Design Dead Loads based on material weight adjusted for slope: BC: 7.00 PSF

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 loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other

Refer to DWG PB160160118 for piggyback details.



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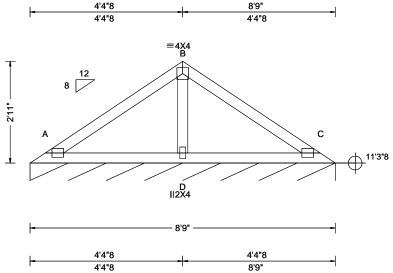
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SEQN: 7739 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T16 FROM: Qty: 1 The Farm at Neills Creek DrwNo: 319.24.0818.34490 Truss Label: V5 / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Ma
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 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: 3.00 ft Loc. from endwall: Any GCpi: 0.18	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 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.008 C 999 240 VERT(CL): 0.017 C 999 240 HORZ(LL): -0.004 C HORZ(TL): 0.009 C Creep Factor: 2.0 Max TC CSI: 0.275 Max BC CSI: 0.213 Max Web CSI: 0.104	C* 8 Wind C E Beari Meml Maxii Gable B - D
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13	
Lumber				

▲ M	axim	um Rea	ctions (II	bs), or *=	-PLF	
	G	avity		N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	84	/-	/-	/42	/-	/5
		ctions b	ased on N	/WFRS		
С	Brg V	Vid = 10)4 Min F	Req = -		
Bea	ring A	is a rig	id surface	e		
Men	nbers	not liste	ed have fo	orces les	s than	375#
	imun	n Gable	Forces	Per Ply (lbs)	
Max	unuun		. 0.000			
		Tens.Co		(Ci 1 1)	,	

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

Plating Notes

All plates are 3X4(D1) except as noted.

Loading

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

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 A12015ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other

See DWGS VALTN160118 and VAL180160118 for valley details.



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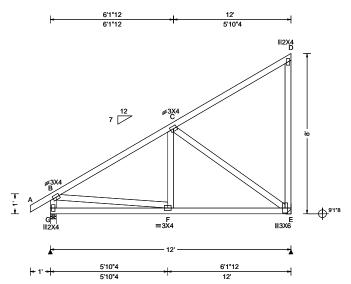
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SEQN: 7715 MONO Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T31 FROM: Qty: 7 The Farm at Neills Creek DrwNo: 319.24.0815.25817 Truss Label: B1 / YK 11/14/2024



▲ M	laxim	um Rea	ctions (II	os)		
	G	avity	•	No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	570	/-	/-	/328	/-	/167
Е	496	/-	/-	/323	/43	/-
Win	nd read	ctions b	ased on N	/WFRS		
G	Brg V	Vid = 3.	5 Min F	Req = 1.5	(Trus	s)
Е	Brg V	Vid = -	Min F	?eq = -	•	•
Bea	aring C	is a rig	gid surface	e		
Mer	mbers	not list	ed have fo	orces less	s than	375#
Max	kimun	n Top C	hord For	ces Per	Ply (lb	s)
Cho	ords -	Tens.Co	omp.		•	•
В-	С	0	- 581			

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Design Dead Loads based on material weight adjusted for slope: BC: 7.00 PSF

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

Wind

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

Left end vertical exposed to wind pressure. Deflection meets L/180.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp.

F-E 428 - 169

Maximum Web Forces Per Ply (lbs)

Tens. Comp. Webs Tens.Comp. Webs B - G 76 - 523 C-E 208 - 525 B-F 382 0



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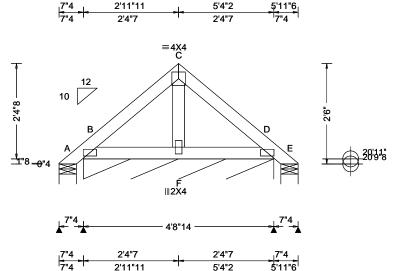
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SEQN: 7733 COMN Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T10 FROM: Qty: 10 The Farm at Neills Creek DrwNo: 319.24.0817.54007 Truss Label: PB3 / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.05 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	Pg: 20.0 Ct: 1.1 CAT: II Pf: 15.4 Ce: 1.0 Lu: - Cs: 0.93 Snow Duration: 1.15 Building Code: IRC 2021 TPI Std: 2014	PP Deflection in loc L/defl L/# VERT(LL): 0.000 D 999 240 VERT(CL): 0.000 D 999 240 HORZ(LL): 0.000 D HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.066 Max BC CSI: 0.048
Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max Web CSI: 0.012 VIEW Ver: 23.02.04A.0207.13

▲ M	aximı	ım Rea	ctions (II			
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	-	/-20		/36	/45	/43
В*	105	/-	/-	/62	/11	/-
Е	-	/-20	/-	/12	/17	/-
Win	d read	ctions ba	ased on N	/WFRS		
Α	Brg V	Vid = 5.	2 Min F	Req = 1.5	(Trus	s)
В	Brg V	Vid = 56	6.9 Min F	. = eq	•	•
Е	Brg V	Vid = 5.	2 Min F	Req = 1.5	(Trus	s)
			E are a ri			•
Mer	nbers	not liste	ed have fo	orces les	s than	375#

Lumbe

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

Plating Notes

All plates are 2X4(A1) except as noted.

Loading

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

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

Wind loading based on both gable and hip roof types.

Refer to DWG PB160160118 for piggyback details.



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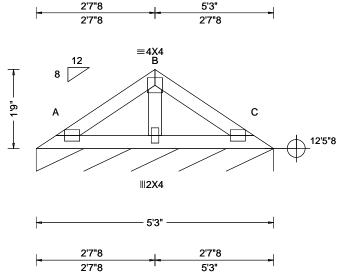


SEQN: 7740 FROM:

GABL

Ply: 1 Qty: 1 Job Number: Q2411-360 The Farm at Neills Creek Truss Label: V6

Cust: R 9836 JRef: 1Y4X98360015 T2 DrwNo: 319.24.0818.39533 / YK 11/14/2024



		Snow Criteria (Pg	Pt in PSF)	Defl/CSI Criteria	1		
TCLL: 20.00 W	Vind Std: ASCE 7-16	Pg: 20.0 Ct: 1.1	CAT: II	PP Deflection in	loc L/d	lefl l	L/#
1.022.		Pf: 15.4	Ce: 1.0	VERT(LL): 0.00	2 C 9	999	240
DCLL. 0.00		Lu: - Cs: 1.00	1	VERT(CL): 0.00	3 C 9	999	240
IBCDL. 10.00	tisk Category: II	Snow Duration: 1.1	5	HORZ(LL): -0.00	01 C	-	-
Des Ld: 40.00 MCBCLL: 10.00 TC Soffit: 2.00 Load Duration: 1.15 MSpacing: 24.0 "	CDL: 5.0 psf ICDL: 5.0 psf IWFRS Parallel Dist: 0 to h/2 &C Dist a: 3.00 ft oc. from endwall: Any	Building Code: IRC 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):		HORZ(TL): 0.00 Creep Factor: 2.0 Max TC CSI: (Max BC CSI: (Max Web CSI: ()).079).064	-	-
W	Vind Duration: 1.60	WAVE		VIEW Ver: 23.02.04A.0207.13			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL C* 83 /-/-Wind reactions based on MWFRS C Brg Wid = 63.0 Min Req = Bearing A is 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;

Plating Notes

All plates are 3X4(D1) except as noted.

Loading

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

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 A12015ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other

See DWGS VALTN160118 and VAL180160118 for valley details.



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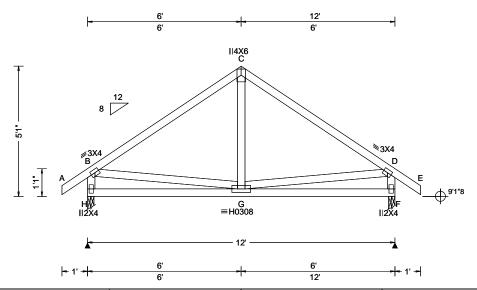
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SEQN: 7773 / COMN Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T7 / FROM: Qty: 4 The Farm at Neills Creek DrwNo: 318.24.1558.46214 Truss Label: C1 / YK 11/13/2024



Loading Criteria (psf) Wind Criteria TCLL: 20.00 Wind Std: ASCE 7-16 TCDL: 10.00 Speed: 120 mph	Snow Criteria (Pg,Pf in PSF) Pg: 20.0 Ct: 1.1 CAT: II Pf: 15.4 Ce: 1.0	Defl/CSI Criteria PP Deflection in loc L/defl L/#	4
1.022.	•		
BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 " BclL: 0.00 Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Lu: - Cs: 1.00 Snow Duration: 1.15 Building Code: IRC 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	VERT(LL): 0.006 G 999 240 VERT(CL): 0.013 G 999 240 HORZ(LL): 0.001 D HORZ(TL): 0.002 D Creep Factor: 2.0 Max TC CSI: 0.476 Max BC CSI: 0.323 Max Web CSI: 0.134 VIEW Ver: 23.02.04A.0207.13	

▲ Maximum Reactions (lbs)							
	(3ravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
н :	573	/-	/-	/322	/-	/110	
F	573	/-	/-	/322	/-	/-	
Win	d rea	ctions b	ased or	MWFRS			
Н	Brg \	Nid = 3	.0 Mir	Req = 1.	5 (Trus	s)	
F	Brg \	Nid = 3	.0 Mir	n Req = 1.	5 (Trus	s)	
Bea	rings	H&Fa	are a rig	id surface.	•	•	
Men	nbers	not list	ed have	forces les	s than	375#	
Maximum Top Chord Forces Per Ply (lbs)							
				Chords			
В-0)	116	- 541	C-D	116	- 541	

Webs

D-F

Tens. Comp.

- 525

161

Maximum Web Forces Per Ply (lbs)

Tens.Comp.

161 - 525

Webs

Lumber

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

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

Wind loads based on MWFRS with additional C&C

End verticals exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

Additional Notes

Lanai/Porch Loading: 14.7 PLF wind pressure applied to the bottom chord of the truss from 0.00 ft to 12.00 ft,



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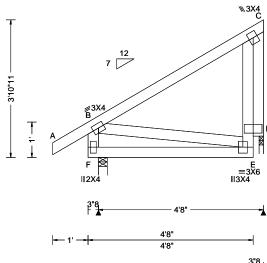
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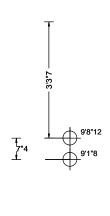
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 8101 MONO Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T13 FROM: Qty: 4 The Farm at Neills Creek DrwNo: 319.24.0816.45217 Truss Label: P1 / YK 11/14/2024





3	"8	
41.	4 11	h.

			41118
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/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: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.005 B 913 240
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.011 B 459 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.005 C
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.009 C
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2021	Max TC CSI: 0.275
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.190
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.122
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13
Lumber	•	•	•

▲ Maximum Reactions (lbs)							
	(3ravity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
F	304	/-	/-	/168	/-	/95	
D	170	/-	/-	/122	/25	/-	
Win	d rea	ctions b	ased on I	MWFRS			
F	Brg \	Nid = 3	.0 Min I	Req = 1.5	(Trus	s)	
D	Brg \	Nid = 1	.5 Min I	Req = 1.5	(Sup	oort)	
Bea	rings	F&Da	re a rigid	surface.		•	
Members not listed have forces less than 375#							
Maximum Web Forces Per Ply (lbs)							
		Tens.Co		, , ,	-,		
C -	D	533	- 470				

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Rt Bearing Leg: 2x4 SP #3;

Loading

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

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

End verticals exposed to wind pressure. Deflection meets L/180.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



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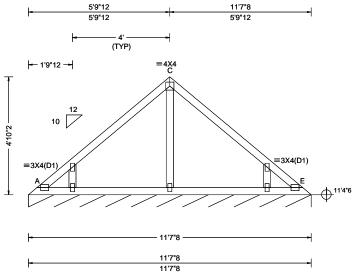
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SEQN: 7737 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T34 FROM: Qty: 1 The Farm at Neills Creek DrwNo: 319.24.0818.25057 Truss Label: V3 / YK 11/14/2024



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: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.001 C 999 240
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 0.93	VERT(CL): 0.001 C 999 240
10.00 IU.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.001 B
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	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: 3.00 ft	Building Code: IRC 2021 TPI Std: 2014 Rep Fac: Yes	HORZ(TL): 0.001 A Creep Factor: 2.0 Max TC CSI: 0.239 Max BC CSI: 0.119 Max Web CSI: 0.065
	Loc. from endwall: Any GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13
Lancetone			

▲ Maxim	um Rea	ctions (II	bs), or *=	:PLF	
(avity		No	on-Gra	vity
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E* 86	/-	/-	/46	/-	/7
Wind reactions based on MWFRS					
E Brg Wid = 139 Min Req = -					
Bearing A	is a rig	id surface	€.		
Members	not liste	ed have fo	orces les	s than	375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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 A12015ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other

See DWGS VALTN160118 and VAL180160118 for valley details.



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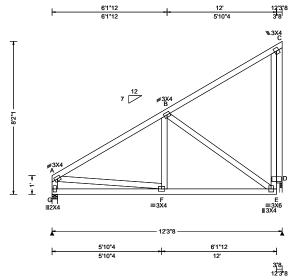
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SEQN: 7720 MONO Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T14 FROM: Qty: 2 The Farm at Neills Creek DrwNo: 319.24.0815.37313 Truss Label: B2A / YK 11/14/2024





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 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: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	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 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.012 F 999 240 VERT(CL): 0.024 F 999 240 HORZ(LL): -0.005 C HORZ(TL): 0.010 C Creep Factor: 2.0 Max TC CSI: 0.532 Max BC CSI: 0.389 Max Web CSI: 0.506 VIEW Ver: 23.02.04A.0207.13	

▲ Maximum Reactions (lbs)								
	Gravity Non-Gravity							
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
G	508	/-	/-	/277	/-	/200		
D	508	/-	/-	/341	/28	/-		
Win	d read	ctions ba	ased on N	/WFRS				
G	Brg V	Vid = 3.	5 Min F	Req = 1.5	(Trus	s)		
D	Brg V	Vid = 1.	5 Min F	Req = 1.5	(Sup	oort)		
Bea	rings	G&Da	re a rigid	surface.				
Men	nbers	not liste	ed have fo	orces less	s than	375#		
Maximum Top Chord Forces Per Ply (lbs)								
Cho	rds 1	Tens.Co	mp.			•		
A - I	В	107	596					

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Rt Bearing Leg: 2x4 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load

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

End verticals exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 141 - 441 F-E 442 - 245

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs A - G B - E 200 - 513 114 - 461 A - F 385 C-D 719 -813 -7



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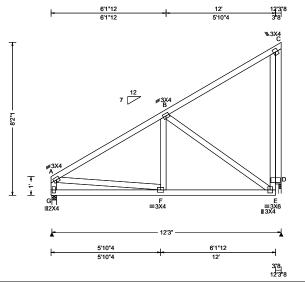
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SEQN: 7719 MONO Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T15 FROM: Qty: 4 The Farm at Neills Creek DrwNo: 319.24.0815.35220 Truss Label: B2 / YK 11/14/2024





▲ Maximum Reactions (lbs)						
	G	ravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
G	508	/-	/-	/277	/-	/200
D	508	/-	/-	/341	/28	/-
Win	d read	tions b	ased on M	WFRS		
G	Brg V	/id = 3.	0 Min R	eq = 1.5	(Trus	s)
D	Brg V	/id = 1.	5 Min R	eq = 1.5	(Sup	oort)
Bea	rings (3 & D a	are a rigid :	surface.		•
Men	nbers	not liste	ed have fo	rces less	than	375#
Maximum Top Chord Forces Per Ply (lbs)						
Chords Tens.Comp.						
A - I	3	107	- 596			

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Rt Bearing Leg: 2x4 SP #3;

Loading

Bottom chord checked for 10.00 psf non-concurrent live load

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

End verticals exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. G-F 141 - 441 442

Maximum Web Forces Per Ply (lbs)								
Webs	Tens.C	omp.	Webs	Tens. (Comp.			
A - G A - F	114 385	- 461 - 7	B - E C - D	200 719	- 513 - 813			



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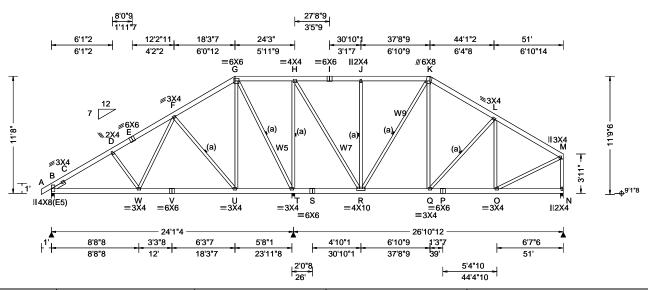
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 8645 COMN Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T21 FROM: The Farm at Neills Creek DrwNo: 319.24.0815.16030 Qty: 1 Truss Label: A1A / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 120 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: 5.10 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	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 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.028 Q 999 240 VERT(CL): 0.059 J 999 240 HORZ(LL): 0.011 D HORZ(TL): 0.022 D Creep Factor: 2.0 Max TC CSI: 0.312 Max BC CSI: 0.398 Max Web CSI: 0.885 VIEW Ver: 23.02.04A.0207.13
Lumber			_

Loc R+ /Rh /Rw /U /RL В 915 /-/536 /228 2402 /-/-/1623 /-992 /693 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 3.5Min Req = 2.5 (Truss) Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B, T, & N are a rigid surface. Members not listed have forces less than 375# **Maximum Top Chord Forces Per Ply (lbs)** Chords Tens.Comp. Chords Tens. Comp.

Non-Gravity

▲ Maximum Reactions (lbs) Gravity

B - C - 401 202 - 1285 C-D 90 - 1156 J - K 10 - 401 D-E - 773 94 - 981 K-L 9 118 - 916 I - M O F - F - 891 H - I 10 -401

Chords

R - O

P - O

Webs

R-K

K-Q

O - M

M - N

Tens. Comp.

Tens. Comp.

0 - 532

66

393

773

0 - 936

0

0

0

- 469

- 29

0

589

698

698

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

943 - 108

Maximum Web Forces Per Ply (lbs)

- 10

- 665

0 - 1394

568 - 40

568 - 40

Tens.Comp.

531

153

650 - 32

40 - 969

1119

B - W

W - V

V - U

Webs

W - F

F-U

G-U

G - T

T - H

H-R

Top chord: 2x6 SP #2;

(a) Continuous lateral restraint equally spaced on member

Bot chord: 2x6 SP #2; Webs: 2x4 SP #3; W5,W7,W9 2x4 SP #2;

Lt Slider: 2x4 SP #3; block length = 1.500

Design Dead Loads based on material weight adjusted for slope: BC: 7.00 PSF

Bottom chord checked for 10.00 psf non-concurrent live load

Truss designed for unbalanced snow loads.

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



11/14/2024

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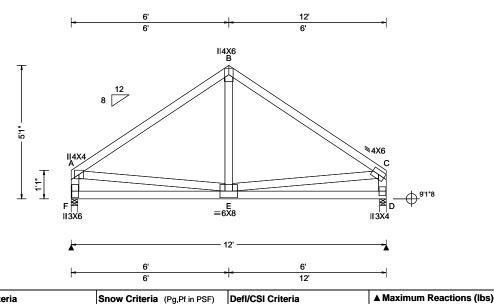
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 7779 COMN Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T12 FROM: The Farm at Neills Creek DrwNo: 319.24.0815.42993 Qty: 1 Truss Label: C1D / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/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/#
1.0220.00	Speed: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.013 E 999 240
DCLL. 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.012 E 999 240
10.00 I	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.065 B
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 "	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: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Building Code: IRC 2021 TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.070 B Creep Factor: 2.0 Max TC CSI: 0.605 Max BC CSI: 0.638 Max Web CSI: 0.757
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13

Lumber

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

Loading

Truss transfers a maximum horizontal load of 3000 # (250.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and Case 1: 3000 250.00 BC 0.00 12.00

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

Wind

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

End verticals exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -686# MAX. Requires uplift connection. See Maximum Reactions.

Lanai/Porch Loading: 14.7 PLF wind pressure applied to the bottom chord of the truss from 0.00 ft to 12.00 ft,

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural

plans/specifications and fabricators truss layout.

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 449 /277 /686 /6000 449 /-/1695 Wind reactions based on MWFRS Brg Wid = 3.0Min Reg = 1.5 (Truss) Brg Wid = 3.0 Min Req = 2.0 (Truss) Bearings F & D are a rigid surface. Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 1254 - 486 120 - 2354 B-C

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 5987 E-D

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs A - F 729 - 401 E-C 1828 291 - 1111 A - E C-D 121 - 1647



11/14/2024

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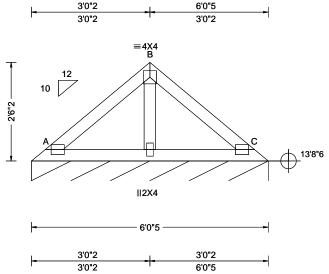
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North Building, 4th Floor Glenview, IL 60025

SEQN: 7735 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T36 FROM: Qty: 1 The Farm at Neills Creek DrwNo: 319.24.0818.16557 Truss Label: V1 / YK 11/14/2024



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: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.002 A 999 240
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 0.93	VERT(CL): 0.005 A 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.001 C
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.003 C
NCBCLL: 10.00	Mean Height: 15.10 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2021	Max TC CSI: 0.120
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.094
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.055
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13
Lumber	•	1	

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL C* 85 /-/-/44 Wind reactions based on MWFRS C Brg Wid = 72.3 Min Req = Bearing A is 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;

Plating Notes

All plates are 3X4(D1) except as noted.

Loading

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

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 A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other

See DWGS VALTN160118 and VAL180160118 for valley details.



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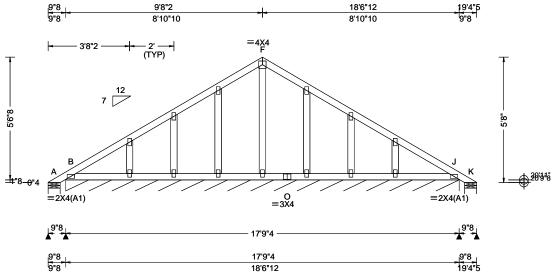
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SEQN: 8674 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T1 FROM: Qty: 1 The Farm at Neills Creek DrwNo: 319.24.0817.43537 Truss Label: PB1G / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
Loading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 23.64 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.77 ft Loc. from endwall: Any GCpi: 0.18	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 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.001 J 999 240 VERT(CL): 0.001 E 999 240 HORZ(LL): 0.001 I HORZ(TL): 0.002 I Creep Factor: 2.0 Max TC CSI: 0.073 Max BC CSI: 0.053 Max Web CSI: 0.071
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13
Lumber			

▲ Maximu	um Rea	ctions (II	os), or *:	-PLF	
G	ravity		N	on-Gra	vity
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α -	/-15	/-	/49	/59	/93
B* 89	/-	/-	/48	/8	/-
K -	/-15	/-	/5	/13	/-
Wind read	ctions b	ased on N	/WFRS		
A Brg V	Vid = 6.	5 Min F	Req = 1.5	5 (Trus	s)
B Brg V	Vid = 21	13 Min F	. = eq	•	•
K Brg V	Vid = 6.	5 Min F	Req = 1.5	5 (Trus	s)
Bearings .	A, B, &	K are a ri	gid surfa	cè.	•
Members	not liste	ed have fo	orces les	s than	375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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

Truss designed for unbalanced snow loads.

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



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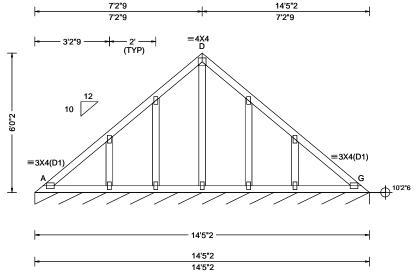
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SEQN: 8676 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T33 FROM: Qty: 1 The Farm at Neills Creek DrwNo: 319.24.0818.28813 Truss Label: V4 / YK 11/14/2024



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/#
	Speed: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.003 A 999 240
DCLL. 0.00	Enclosure: Closed	Lu: - Cs: 0.93	VERT(CL): 0.006 A 999 240
10.00 I	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.002 G
Des Ld: 40.00	EXP: B Kzt: NA Mean Height: 15.00 ft	Building Code:	HORZ(TL): 0.003 G Creep Factor: 2.0
0 - 40:4-	TCDL: 5.0 psf BCDL: 5.0 psf	IRC 2021	Max TC CSI: 0.098
	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.077
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.096
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL G* 86 /-/-/46 Wind reactions based on MWFRS G Brg Wid = 173 Min Req = Bearing A is 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;

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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 A12015ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other

See DWGS VALTN160118 and VAL180160118 for valley details.



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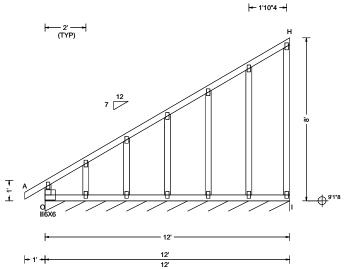
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SEQN: 7781 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T38 FROM: Qty: 1 The Farm at Neills Creek DrwNo: 319.24.0815.29433 Truss Label: B1G / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ī
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft	Pg: 20.0 Ct: 1.1 CAT: II Pf: 15.4 Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15	PP Deflection in loc L/defl L/# VERT(LL): -0.005 B 999 240 VERT(CL): -0.008 B 999 240 HORZ(LL): -0.049 B - HORZ(TL): 0.069 B -	
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 "	TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Building Code: IRC 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.156 Max BC CSI: 0.179 Max Web CSI: 0.751 VIEW Ver: 23.02.04A.0207.13	

■ M			ctions (II	• •		
	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
) *	89	/-	/-	/54	/-	/17
Win	d rea	ctions b	ased on N	/WFRS		
1	Brg V	Vid = 14	44 Min F	Req = -		
Bea	ring C) is a rig	id surface	Э.		
	_		ed have fo		s than	375#
				_	DI /II	
1	cimun	n Top C	hord For	ces Per	PIV (II	DS)
Max		n Top C Tens.Co		ces Per	Ply (II	os)
Cho	ords -	Tens.Co	omp.	ces Per	Piy (it	os)
Max	ords -	Tens.Co		ces Per	PIY (II	os)

388 - 101

0-1

Lumber

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

Bracing

Fasten rated sheathing to one face of this frame.

Plating Notes

All plates are 2X4 except as noted.

Loading

Design Dead Loads based on material weight adjusted for slope: BC: 7.00 PSF

Bottom chord checked for 10.00 psf non-concurrent live load

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

End verticals exposed to wind pressure. Deflection meets L/180

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12015ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.



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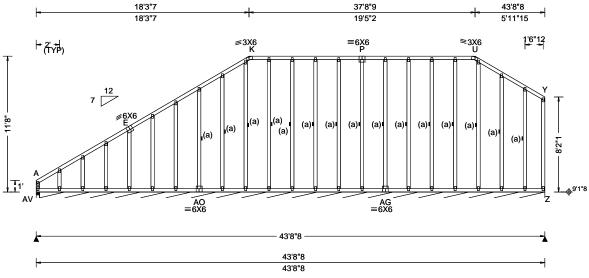
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SEQN: 8647 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T30 FROM: Qty: 1 DrwNo: 319.24.0815.20460 The Farm at Neills Creek Truss Label: A1G / YK 11/14/2024



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: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.002 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.004 K 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.051 Y
Des Ld: 40.00	EXP: B Kzt: NA Mean Height: 15.46 ft		HORZ(TL): 0.086 Y
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2021	Max TC CSI: 0.140
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.140
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.617
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL AV 80 /232 /113 /263 /-/47 Z* 82 Wind reactions based on MWFRS AV Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 521 Min Req = -Bearings AV & AV 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;

Bracing

(a) Continuous lateral restraint equally spaced on

Fasten rated sheathing to one face of this frame.

Plating Notes

All plates are 2X4 except as noted.

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.

End verticals exposed to wind pressure. Deflection meets I /180

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.



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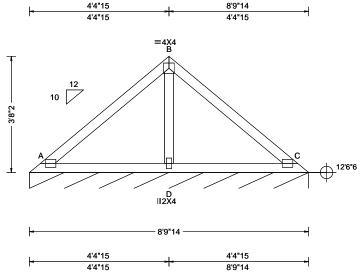
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SEQN: 7736 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T35 FROM: Qty: 1 The Farm at Neills Creek DrwNo: 319.24.0818.21383 Truss Label: V2 / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	•
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Pg: 20.0 Ct: 1.1 CAT: II Pf: 15.4 Ce: 1.0 Lu: - Cs: 0.93 Snow Duration: 1.15 Building Code: IRC 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.007 A 999 240 VERT(CL): 0.016 A 999 240 HORZ(LL): -0.004 C HORZ(TL): 0.010 C Creep Factor: 2.0 Max TC CSI: 0.296 Max BC CSI: 0.228 Max Web CSI: 0.127	
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13	_

▲ Maximum Reactions (lbs), or *=PLF						
Gravity			Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	86	/-	/-	/45	/-	/6
Win	d rea	actions b	ased on N	/WFRS		
С	Brg	Wid = 10	05 Min F	Reg = -		
Bea	ring	A is a rig	id surface	e		
Men	nber	s not list	ed have fo	orces less	s than	375#
Max	imu	m Gable	Forces	Per Ply (lbs)	
		Tens.Co			•	
B - I						

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

Plating Notes

All plates are 3X4(D1) except as noted.

Loading

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

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 A12015ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other

See DWGS VALTN160118 and VAL180160118 for valley details.



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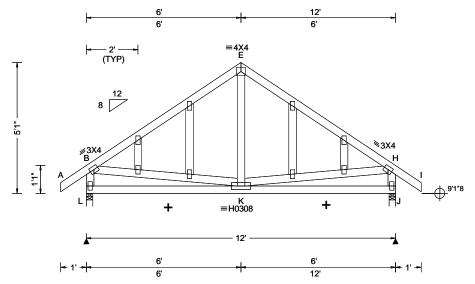
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SEQN: 7775 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T11 FROM: Qty: 1 The Farm at Neills Creek DrwNo: 319.24.0816.01940 Truss Label: C1G / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1
Loading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 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	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 2021 TPI Std: 2014	PP Deflection in loc L/defl L/# VERT(LL): 0.038 F 999 240 VERT(CL): 0.078 F 999 240 HORZ(LL): 0.023 C HORZ(TL): 0.047 C Creep Factor: 2.0 Max TC CSI: 0.325 Max BC CSI: 0.322	
Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Max Web CSI: 0.627 VIEW Ver: 23.02.04A.0207.13	N C

▲ M	▲ Maximum Reactions (lbs)							
	(Gravity		Non-Gravity				
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
L	573	/-	/-	/322	/-	/110		
J	573	/-	/-	/322	/-	/-		
Win	d rea	actions b	ased on	MWFRS				
L	Brg '	Wid = 3.	0 Min	Req = 1.5	(Trus	s)		
J	Brg '	Wid = 3.	0 Min	Req = 1.5	(Trus	s)		
Bea	rings	L&Ja	re a rigio	l surface.	•	•		
	_		•	forces les	s than :	375#		
Max	Maximum Top Chord Forces Per Ply (lbs)							
				Chords				
В-Е	=	121	- 505	E-H	121	- 505		

Webs

Tens. Comp.

- 525

161

Maximum Web Forces Per Ply (lbs)

Tens.Comp.

161 - 525

Webs

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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

Wind loads based on MWFRS with additional C&C

End verticals exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12015ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other

Lanai/Porch Loading: 14.7 PLF wind pressure applied to the bottom chord of the truss from 0.00 ft to 12.00 ft.

+ MEMBER TO BE LATERALLY BRACED FOR HORIZONTAL WIND LOADS.



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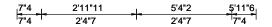
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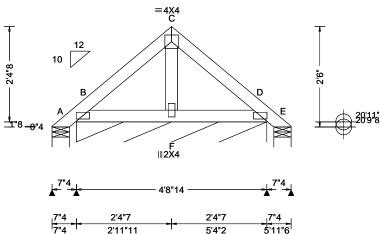
Ply: 1 Qty: 1

GABL

Job Number: Q2411-360 The Farm at Neills Creek Truss Label: PB3G

Cust: R 9836 JRef: 1Y4X98360015 T4 DrwNo: 319.24.0817.58030 / YK 11/14/2024





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.05 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Pg: 20.0 Ct: 1.1 CAT: II Pf: 15.4 Ce: 1.0 Lu: - Cs: 0.93 Snow Duration: 1.15 Building Code: IRC 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.000 D 999 240 VERT(CL): 0.000 D 999 240 HORZ(LL): 0.000 D HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.066 Max BC CSI: 0.048 Max Web CSI: 0.012
Wind Duration: 1.60		WAVE	VIEW Ver: 23.02.04A.0207.13

▲ Maximum Reactions (lbs), or *=PLF						
	G	iravity		N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	-	/-20	/-	/36	/45	/43
В*	105	/-	, /-	/62	/11	/-
Е	-	/-20	/-	/12	/17	/-
Win	d read	ctions ba	ased on N	/WFRS		
Α	Brg V	Vid = 5.	2 Min F	Req = 1.5	(Trus	s)
		Vid = 56	6.9 Min F	Req = -		
Е	Brg V	Vid = 5.	2 Min F	Req = 1.5	ī (Trus	s)
Bea	rings	A, B, &	E are a ri	gid surfa	ce.	
Mer	nbers	not liste	ed have fo	orces les	s than	375#

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

Plating Notes

All plates are 2X4(A1) except as noted.

Loading

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

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

Wind loading based on both gable and hip roof types.

Refer to DWG PB160160118 for piggyback details.



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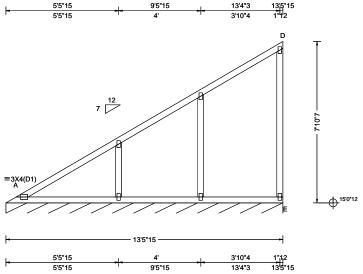
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 7744 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T29 FROM: Qty: 1 The Farm at Neills Creek DrwNo: 319.24.0818.53947 Truss Label: VA4 / YK 11/14/2024



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: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.018 A 999 240
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.038 A 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.005 A
Des Ld: 40.00	EXP: B Kzt: NA Mean Height: 19.14 ft		HORZ(TL): 0.011 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2021	Max TC CSI: 0.350
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.272
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.730
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13
Lumber			

▲ Maximum Reactions (lbs), or *=PLF						
G	avity		No	on-Gra	vity	
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
E* 83	/-	/-	/50	/2	/16	
Wind read	ctions b	ased on N	IWFRS			
E Brg Wid = 161 Min Req = -						
Bearing A is a rigid surface.						
Members	not liste	ed have fo	orces les	s than	375#	

Lumbe

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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

Right end vertical exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

See DWGS VALTN160118 and VAL180160118 for valley details.



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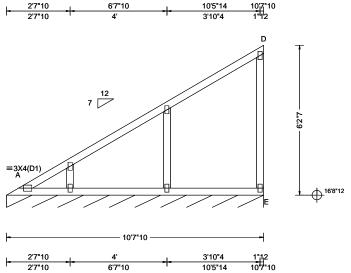
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SEQN: 7743 / GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T32 FROM: Qty: 2 The Farm at Neills Creek DrwNo: 318.24.1558.46229 Truss Label: VA3 / YK 11/13/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/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: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.001 A 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.002 A 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.003 D	
Des Ld: 40.00	EXP: B Kzt: NA Mean Height: 19.98 ft		HORZ(TL): 0.004 D	
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	IRC 2021	Max TC CSI: 0.226	
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.130	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.478	
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
Wind Duration: 1.60		WAVE	VIEW Ver: 23.02.04A.0207.13	
Lumber				

▲ Maximum Reactions (lbs), or *=PLF						
G	ravity	•	, No	on-Gra	vity	
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
	ctions b Vid = 12	27 Min F	Req = -	/2	/16	
Members	Bearing A is a rigid surface. Members not listed have forces less than 375#					

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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

Right end vertical exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.



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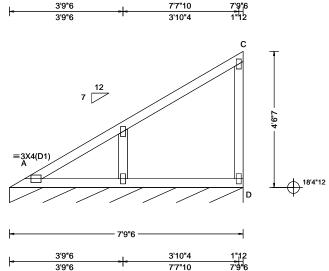
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SEQN: 7742 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T39 FROM: Qty: 2 The Farm at Neills Creek DrwNo: 319.24.0818.49980 Truss Label: VA2 / YK 11/14/2024

7'7"10



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/#		
	Speed: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.004 A 999 240		
DCLL. 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.009 A 999 240		
	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.002 C		
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 "	EXP: B Kzt: NA Mean Height: 20.81 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Building Code: IRC 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.002 A Creep Factor: 2.0 Max TC CSI: 0.284 Max BC CSI: 0.169 Max Web CSI: 0.250		
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13		

3'9"6

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL D* 83 /-/-/49 /16 Wind reactions based on MWFRS D Brg Wid = 93.4 Min Req = Bearing A is 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;

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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

Right end vertical exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

See DWGS VALTN160118 and VAL180160118 for valley details.



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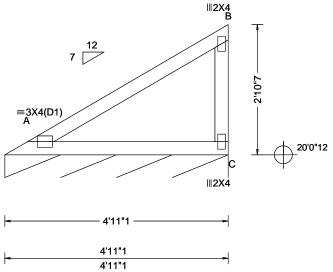
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SEQN: 7741 VAL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T40 FROM: Qty: 2 The Farm at Neills Creek DrwNo: 319.24.0818.41620 Truss Label: VA1 / YK 11/14/2024



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: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): NA		
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): NA		
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.006 A		
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.012 A		
NCBCLL: 10.00	Mean Height: 21.64 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		
Soffit: 2.00	BCDL: 5.0 psf	IRC 2021	Max TC CSI: 0.323		
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.294		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.126		
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13		
Lumber		•	•		

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL C* 83 /-/-/48 /15 Wind reactions based on MWFRS C Brg Wid = 59.1 Min Req = Bearing A is 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;

Loading

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

Wind

Wind loads based on MWFRS with additional C&C

Right end vertical exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



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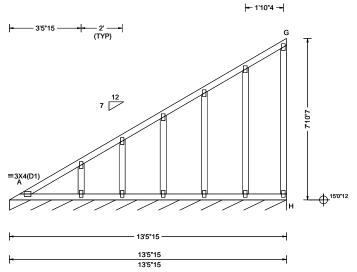
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 7745 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T3 FROM: Qty: 1 The Farm at Neills Creek DrwNo: 319.24.0819.02163 Truss Label: VG4 / YK 11/14/2024



	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/#
		Speed: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.004 A 999 240
	DCLL. 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.009 A 999 240
	10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.004 G
	Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15	EXP: B Kzt: NA Mean Height: 19.14 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCbi: 0.18	Building Code: IRC 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.006 G Creep Factor: 2.0 Max TC CSI: 0.124 Max BC CSI: 0.097 Max Web CSI: 0.777
		Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL H* 83 /-/-/16 Wind reactions based on MWFRS H Brg Wid = 161 Min Req = Bearing A is 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;

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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

Right end vertical exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

See DWGS VALTN160118 and VAL180160118 for valley details.



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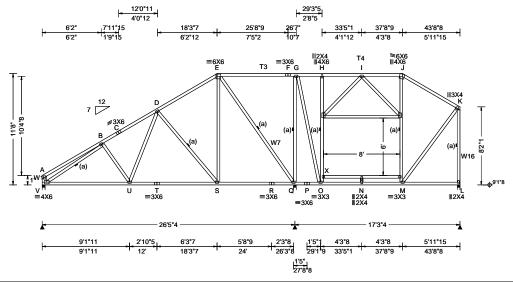
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 20.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.200 Y 999 240
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.390 Y 536 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.028 M
Des Ld: 40.00	EXP: B Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.055 M
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2021	Max TC CSI: 0.698
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.846
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.752
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13

Lumber

Top chord: 2x4 SP #2; T3,T4 2x4 SP SS;

Bot chord: 2x4 SP #2;

Webs: 2x4 SP #3; W1 2x6 SP #2; W7,W16 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

Loading

Design Dead Loads based on material weight adjusted for slope: BC: 7.00 PSF

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

Truss designed for unbalanced snow loads.

Truss supports 250# mech unit; unit centered at 33-2-12; supported by TC; unit width 4-0-0; supported by 6 trusses.

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types. Special loads

--(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15) 0.00 to 29.42 to TC: From 63 plf at 43.71 80 plf at 37.42 63 plf at 80 plf at PLB: From BC: From 20 plf at 0.00 to 20 plf at 42 lb Conc. Load at (31.23,10.05), (35.23,10.05) Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



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	▲ Maximum Reactions (lbs)							
	Gravity				Non-Gravity			
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
)	V	1206	/-	/-	/693	/-	/269	
	Q	1774	/-	/-	/1161	/-	/-	
	L	1058	/-	/-	/605	/-	/-	
	Wind reactions based on MWFRS							
	٧	Brg W	id = 3.5	Min Re	eq = 1.5	(Truss)	
	Q	Brg W	id = 3.5	Min Re	eq = 1.7	(Truss)	
	L	Brg W	id = 3.5	Min Re	eq = 1.5	(Truss)	
	Bearings V, Q, & L are a rigid surface.							
	Members not listed have forces less than 375#							
	Max	imum	Top Ch	ord Forc	es Per	Ply (lbs	s)	
	Cho	rds T	ens.Com	np. Ch	nords	Tens.	Comp.	

A - B	78 - 452	G-H	108	- 453
B - C	85 - 1556	H - I	108	- 448
C - D	108 - 1496	I - J	108	- 465
D-E	111 - 963	J - K	86	- 615

Maximum Bot Chord Forces Fer Fly (ibs)					
Chords	Tens.C	Comp.	Chords	Tens.	Comp.
V - U	1397	- 276	R - Q	728	-84
11 T	4494	400	O N	447	40

V - U		- 276	R - Q	728	-84
U - T		- 186	O - N	447	-40
T - S S - R	1131	- 186 - 84	N - M	447	-40

Maximum Web Forces Per Ply (lbs)						
Webs	Tens.Comp.	Webs	Tens.	Comp.		
V - B	30 - 1323	Q-G	0	- 1121		
U - D	457 - 22	G - O	673	0		
D - S	161 - 635	O - X	0	- 435		
E-S	686 - 11	M - K	759	0		
E-Q	41 - 753	K-L	0	- 1033		

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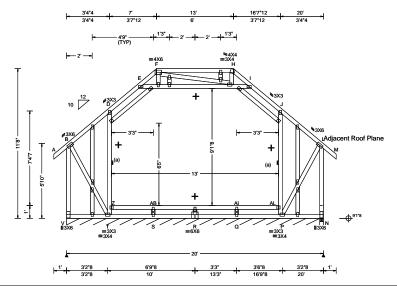
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Ply: 1 Qty: 1 Job Number: Q2411-360 The Farm at Neills Creek Truss Label: G1G

Cust: R 9836 JRef: 1Y4X98360015 T17 DrwNo: 319.24.0816.10807 / YK 11/14/2024



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: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.045 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: varies	VERT(CL): 0.118 G 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.026 K
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.066 K
NCBCLL: 10.00	Mean Height: 15.46 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2021	Max TC CSI: 0.358
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.169
1	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.856
'	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13

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

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2X4 except as noted.

Loading

Bottom chord checked for 10.00 psf non-concurrent live load

Live loads applied in combination per ASCE 7 sec. 2.4.1 use 0.75 factor for multiple live loads.

Attic room loading from 3-6-0 to 16-6-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: **10 PSF**

Truss designed for unbalanced snow loads.

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

End verticals exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

MEMBER TO BE LATERALLY BRACED FOR HORIZONTAL WIND LOADS.



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▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity /Rw /U Loc R+ /Rh /RL V* 109 /40 /14 1363 /-/-/528 /77 /-/-245 Т /-241 Wind reactions based on MWFRS Bearings V & N are a rigid surface. Members not listed have forces less than 375# **Maximum Top Chord Forces Per Ply (lbs)** Chords Tens.Comp. Chords Tens. Comp.

B - D	169	- 663	H-I	220	- 596
D-E	233	- 687	I - J	235	- 685
E-F	246	- 640	J - L	167	- 663
F-H	212	- 533			

Maximum Bot Chord Forces Per Ply (lbs)

	i ciio. C	· · · · · · · · · ·
 53 R - Q 53 Q - P		- 153 - 153

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - V	279 - 1345	AI- Q	0 -389
B - T	949 - 196	AL- P	91 - 392
T - Z	92 - 389	P-L	948 - 185
AB- S	0 - 389	L-N	265 - 1344

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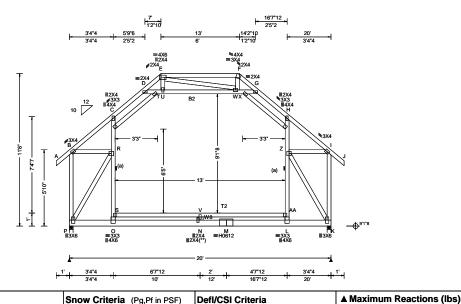
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SEQN: 7751 COMN Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T9 FROM: Qty: 2 The Farm at Neills Creek DrwNo: 319.24.0816.05590 Truss Label: G1 / YK 11/14/2024



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: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.350 V 685 240
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: varies	VERT(CL): 0.974 V 246 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.103 H
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.234 H
NCBCLL: 10.00	Mean Height: 15.46 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2021	Max TC CSI: 0.927
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.808
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.978
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04A.0207.13

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP SS; Bot chord: 2x6 SP SS Dense; B2 2x4 SP #2; Webs: 2x4 SP #3; W8 2x6 SP #2;

(a) Continuous lateral restraint equally spaced on

Plating Notes

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

Loading

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

Live loads applied in combination per ASCE 7 sec. 2.4.1 use 0.75 factor for multiple live loads.

Attic room loading from 3-6-0 to 16-6-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Truss designed for unbalanced snow loads.

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

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

End verticals exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.



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-					_	
	Gı	ravity		No	on-Grav	rity .
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P 1	647	/-	/-	/499	/-	/268
K 1	647	/-	/-	/499	/-	/-
Wind	reac	tions b	ased on	MWFRS		
PE	3rg W	id = 3	.5 Min	Req = 1.7	(Truss	s)
KE	3rg W	id = 3	.5 Min	Req = 1.7	' (Truss	s)
Beari	ngs F	2 & К а	are a rigi	d surface.		
Mem	bers i	not list	ed have	forces less	s than 3	75#
Maxi	mum	Top C	Chord Fo	orces Per	Ply (lbs	s)
Chore	ds T	ens.Co	omp.	Chords	Tens.	Comp.
B-C		186	- 998	F-G	277	- 648
C-D		347	- 905	G-H	335	- 900
D-E		294	- 630	H-I	181	- 996

Maximum Bot Chord Forces Per Ply (lbs)				
Chords	Tens.Comp.	Chords	Tens.	Comp.

P - O	691	- 134	M - L	747	- 130
O - N	747	- 130	L-K	691	- 138
N - M	747	- 130			

Maximum Web Forces Per Ply (lbs)

Ē-F

Tens.Comp.	Webs	Tens. Comp.
153 - 803	V - N	28 - 734
698 - 34	W - X	86 - 610
158 - 1313	X - G	113 - 697
1322 - 3	Z -AA	1320 - 3
1040 - 6	Z - I	697 - 36
107 - 676	Z - K	154 - 1313
95 - 582	AA- L	1038 - 6
113 - 557	I-K	150 -801
	153 - 803 698 - 34 158 - 1313 1322 - 3 1040 - 6 107 - 676 95 - 582	153 -803 V - N 698 -34 W - X 158 -1313 X - G 1322 -3 Z -AA 1040 -6 Z - I 107 -676 Z - K 95 -582 AA- L

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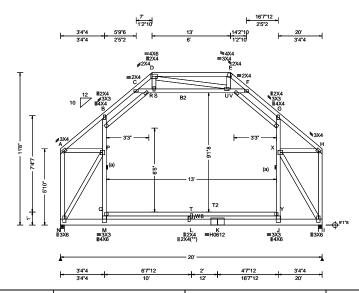
SEQN: 7756 FROM:

COMN Ply: 1

Qty: 8

Job Number: Q2411-360 The Farm at Neills Creek Truss Label: G1A

Cust: R 9836 JRef: 1Y4X98360015 T5 DrwNo: 319.24.0816.08747 / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/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: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.358 T 669 240
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: varies	VERT(CL): 0.976 T 245 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.093 G
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 "	EXP: B Kzt: NA Mean Height: 15.46 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any	Building Code: IRC 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	HORZ(TL): 0.237 G Creep Factor: 2.0 Max TC CSI: 0.936 Max BC CSI: 0.809 Max Web CSI: 0.982
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04A.0207.13

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP SS; Bot chord: 2x6 SP SS Dense; B2 2x4 SP #2; Webs: 2x4 SP #3; W8 2x6 SP #2;

(a) Continuous lateral restraint equally spaced on

Plating Notes

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

Loading

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

Live loads applied in combination per ASCE 7 sec. 2.4.1 use 0.75 factor for multiple live loads.

Attic room loading from 3-6-0 to 16-6-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Truss designed for unbalanced snow loads.

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

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

End verticals exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.



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▲ Maximum Reactions (lbs)						
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	1585	/-	/-	/477	/-	/235
1	1585	/-	/-	/477	/-	/-
Win	nd read	ctions b	ased or	MWFRS		
N	Brg V	Vid = 3	.5 Mir	Req = 1.	6 (Trus	s)
1	Brg V	Vid = 3	.5 Mir	n Req = 1.	6 (Trus	s)
Bea	rings I	N&la	re a rigio	d surface.	•	•
Mer	mbers	not list	ed have	forces les	s than	375#
Max	kimun	Top (Chord F	orces Per	Ply (lb	s)
Cho	ords 1	ens.C	omp.	Chords	Tens.	Ćomp.
Α-	В	157	- 998	E-F	279	- 648
В-	С	327	- 913	F-G	316	- 907
^	n	205	ഭാവ	C 11	150	006

Maximum Bot Chord Forces Per Ply (lbs)

261 - 554

Chords	Tens.Comp.		Chords	Tens. Comp.		
N - M	694	- 147	K-J	752	- 141	
M - L	752	- 141	J - I	694	- 150	
I - K	752	- 141				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - N	112 - 736	T-L	28 - 734
A - P	703 - 51	U - V	71 -613
N - P	185 - 1319	V - F	101 - 702
P - Q	1322 0	X - Y	1320 0
Q - M	1040 0	X - H	701 - 54
C - R	95 - 681	X - I	182 - 1319
R-S	88 - 585	Y - J	1038 0
S - U	104 - 560	H - I	108 - 734

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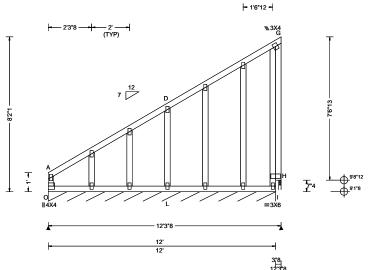
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SEQN: 7791 GABL Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T6 FROM: Qty: 1 The Farm at Neills Creek DrwNo: 319.24.0815.40007 Truss Label: B2G / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/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: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.002 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.003 B 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.048 G
Des Ld: 40.00	EXP: B Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.068 G
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	IRC 2021	Max TC CSI: 0.170
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.172
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.649
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13
Lumbor	·	·	·

▲ Maximum Reactions (lbs), or *=PLF						
	Gravity			No	on-Grav	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
0*	83	/-	/-	/44	/-	/17
Н	25	/-	/-	/94	/161	/-
Win	d read	ctions b	ased on N	/WFRS		
0	Brg V	Vid = 14	44 Min F	Req = -		
Н	Brg V	Vid = 1.	5 Min F	Req = 1.5	(Supp	ort)
Bea	rings	O & H a	are a rigid	surface.		-
Mer	nbers	not liste	ed have fo	orces les	s than 3	375#
Max	cimun	n Top C	hord For	ces Per	Ply (lb	s)
Cho	ords -	Tens.Co	omp.		- `	•
A -	 D	92	- 392			

Lumbe

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Rt Bearing Leg: 2x4 SP #3;

Bracing

Fasten rated sheathing to one face of this frame.

Plating Notes

All plates are 2X4 except as noted.

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.

Wind

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

End verticals exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12015ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.



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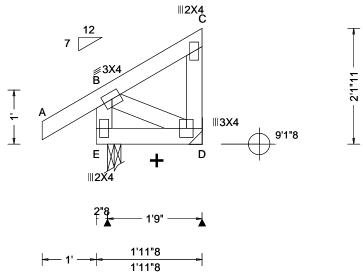
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SEQN: 7792 MONO Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T26 FROM: The Farm at Neills Creek DrwNo: 319.24.0816.47380 Qty: 1 Truss Label: P2 / YK 11/14/2024



Loading Criteria (psf) Win	ind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	١,
TCLL: 20.00 Wint TCDL: 10.00 Spring S	rind Std: ASCE 7-16 peed: 120 mph polosure: Closed sk Category: II skP: B Kzt: NA ean Height: 15.00 ft CDL: 5.0 psf CDL: 5.0 psf WFRS Parallel Dist: 0 to h/2 &C Dist a: 3.00 ft pc. from endwall: Any GCpi: 0.18	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 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.002 B 999 240 VERT(CL): 0.004 B 946 240 HORZ(LL): -0.002 C HORZ(TL): 0.004 C Creep Factor: 2.0 Max TC CSI: 0.078 Max BC CSI: 0.099 Max Web CSI: 0.031	
VVII	ind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13	

▲ Maximum Reactions (lbs)										
	G	ravity		No	on-Gra	vity				
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL				
Е	201	/-	/-	/113	/-	/48				
D	201 35	/-	/-	/31	/- /21	/-				
Win	d read	ctions b	ased on N	/WFRS						
Е	Brg V	Vid = 3.	0 Min F	Req = 1.5	(Trus	s)				
D	Brg V	Vid = -	Min F	Req = -	-	-				
Bearing E is a rigid surface.										
Mer	nbers	not list	ed have fo	orces less	s than	375#				

Lumber

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

Loading

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

Wind loads based on MWFRS with additional C&C

Left end vertical exposed to wind pressure. Deflection meets L/180.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

See DWGS A12015ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

+ MEMBER TO BE LATERALLY BRACED FOR HORIZONTAL WIND LOADS



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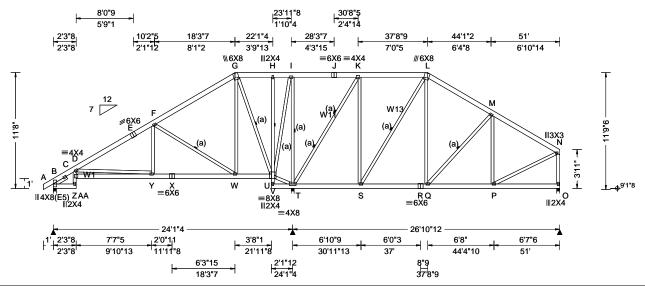
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.15 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: 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: 5.10 ft Loc. from endwall: Any GCpi: 0.18	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 2021 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.064 D 999 240 VERT(CL): 0.133 D 999 240 HORZ(LL): 0.048 O HORZ(TL): 0.100 O Creep Factor: 2.0 Max TC CSI: 0.548 Max BC CSI: 0.419 Max Web CSI: 0.849
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.13

_										
В	578	/-	/-	/324	/-	/228				
Т	3055	/-	/-	/2077	/-	/-				
0	766	/-	/-	/596	/-	/-				
Wind reactions based on MWFRS										
В	Brg V	Vid = 3.8	5 Min	Req = 1.5	(Truss	s)				
Т	Brg Wid = 3.5 Min Req = 3.2 (Truss)									
0	Brg V	Vid = 3.	5 Min	Req = 1.5	(Truss	s)				
Be	arings I	B, T, & (O are a	rigid surfa	ce.					
Me	mbers	not liste	d have	forces less	than 3	375#				
Ma	ximum	Top C	hord Fo	orces Per	Ply (lb	s)				
Ch	ords T	ens.Co	mp.	Chords	Tens.	Comp.				
_										

/Rh

Non-Gravity

/ RL

/Rw /U

▲ Maximum Reactions (lbs) Gravity

/ R-

Loc R+

B - C	95	- 646	H - I	902	- 46
C - D	99	- 602	I - J	1028	- 37
D-E	60	- 422	J - K	1028	- 37
F-G	611	- 107	L - M	102	- 496
G-H	901	- 46	M - N	38	- 668

Bracing

(a) Continuous lateral restraint equally spaced on member.

Webs: 2x4 SP #3; W1 2x4 SP SS; W11,

Lt Slider: 2x4 SP #3; block length = 1.500'

Plating Notes

Top chord: 2x6 SP #2; Bot chord: 2x6 SP #2:

W13 2x4 SP #2;

All plates are 3X4 except as noted.

Loading

Design Dead Loads based on material weight adjusted for slope: BC: 7.00 PSF

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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



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Maximum Bot Chord Forces Per Ply (lbs)

Cilolus	rens.comp.		Chorus	rens. Comp.			
B -AA	478	- 89	W - U	217	- 431		
Z - Y	979	- 166	Q - P	514	0		

Maximum Web Forces Per Ply (lbs)

webs	rens.Comp.	webs	rens. Comp.			
D-Y	179 - 699	I-T	0 - 979			
Y - F	427 0	T - K	0 - 1482			
F-W	153 - 842	K-S	817 0			
G - W	624 - 10	S-L	106 - 824			
G - U	117 - 1327	L-Q	461 - 29			
U - I	625 0	P - N	569 0			
U - T	227 - 1178	N - O	0 -711			

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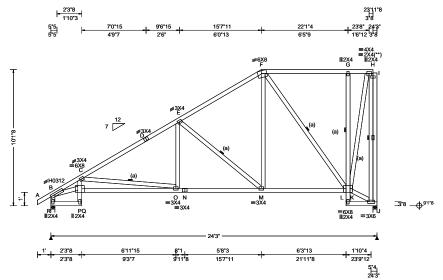
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 8664 COMN Ply: 1 Job Number: Q2411-360 Cust: R 9836 JRef: 1Y4X98360015 T8 FROM: Qty: 2 The Farm at Neills Creek DrwNo: 319.24.0815.32300 Truss Label: B1T / YK 11/14/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 20.0 Ct: 1.1 CAT: II	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 120 mph	Pf: 15.4 Ce: 1.0	VERT(LL): 0.078 O 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.161 O 999 240	F
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.062 J	J
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.127 J	٧
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	F
Soffit: 2.00	BCDL: 5.0 psf	IRC 2021	Max TC CSI: 0.666	J
Load Duration: 1.15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.777	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.981	"
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):		1-
	Wind Duration: 1.60	HS, WAVE	VIEW Ver: 23.02.04A.0207.13	E
Louis		• •	•	- (

	▲ M	aximı	um Rea	ctions	(lbs)							
		G	ravity		N	on-Gra	vity					
1	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL					
)		1077		/-	/636		/269					
	J	1007	/-	/-	/687	/-	/-					
J 1007 /- /- /687 /- /- Wind reactions based on MWFRS R Brg Wid = 3.5 Min Reg = 1.5 (Truss)												
	R	Brg V	Vid = 3	5 Mii	n Req = 1.	5 (Trus	ss)					
	J	Brg V	Vid = 3	5 Mii	n Reg = 1.5 (Truss)							
	Bea	rings	R&Ja	re a rig	id surface.	-	•					
	Men	nbers	not list	ed have	forces les	s than	375#					
	Max	imun	Top (hord F	orces Per	Ply (II	os)					
	Cho	rds 7	Tens.Co	mp.	Chords	Tens.	. Ćomp.					
	B - 0	С	80 -	2707	D-E	27	- 1330					
	l с - і	D	13 -	1484	E-F	53	873					

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Rt Bearing Leg: 2x4 SP SS;

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Loading

Design Dead Loads based on material weight adjusted for slope: BC: 7.00 PSF

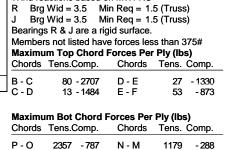
Bottom chord checked for 10.00 psf non-concurrent live load.

Wind

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

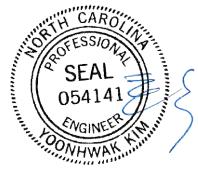
End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



Chords	Tens.Comp	 Chords 	Tens. Comp.			
P-0	2357 - 78	7 N-M	1179	- 288		
O - N	1179 - 28	8 M - K	662	- 160		

Maximum Web Forces Per Ply (lbs)										
Webs	Tens.Comp.	Tens.Comp. Webs								
B - R	63 - 1045	F-M	590 - 13							
B - P	2324 - 129	F-K	102 - 690							
P-C	502 - 12	K - H	1041 -2							
C-O	503 - 1176	H - I	17 - 982							
0 - E	391 0	I - J	97 - 1071							
E - M	170 - 681									



11/14/2024

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

Gable Stud Reinforcement Detail

ASCE 7-16: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr. 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

ш,	100 1	יישריי	WILL	speeu,	10	neun	rieigri c,	i ar clarry	LIICIOSEU,	Exposur e	C, N2
0r:	100 r	mph	Wind	Speed,	15'	Mean	Height,	Enclosed	Exposure	D, Kzt =	1.00

		2x4 Vertica	Brace	No	(1) 1×4 "L	Brace *	(1) 2×4 *L	" Brace *	(2) 2×4 L	Brace **	(1) 2×6 " L	" Brace *	(2) 2x6 *L	"Brace *	*
	Spacing	Species	Grade	-	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	
무		CDL	#1 / #2	4′ 10″	8′ 2″	8′ 6″	9′8″	10′ 1″	11′ 6″	12′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″]
'o	l	SPF	#3	4′ 7″	7′ 9″	8′ 3″	9′ 7″	9′ 11″	11′ 5″	11′ 10″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
1 2	Ų	HF	Stud	4′ 7″	7′ 8″	8′ 2″	9′ 7″	9′ 11″	11′ 5″	11′ 10″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	⅃
\(\subseteq \)		1 11	Standard	4′ 7″	6′ 7″	7′ 0″	8′ 10 ″	9′ 5″	11′ 5″	11′ 10″	13′ 10″	14′ 0″	14′ 0″	14′ 0″	╛
Ι Φ.			#1	5′ 0 ″	8′ 4″	8′ 7″	9′ 10″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″]
		SP	#2	4′ 10″	8′ 2″	8′ 6″	9′ 8″	10′ 1″	11′ 6″	12′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
	4	l	#3	4′ 8 ″	7′ 0″	7′ 5″	9′ 3″	9′ 11″	11′ 5″	11′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	⅃
	N	IDFI	Stud	4′ 8″	7′ 0 ″	7′ 5″	9′ 3″	9′ 11″	11′ 5 ″	11' 11"	14′ 0″	14′ 0″	14' 0"	14′ 0″	⅃
d			Standard	4′ 7″	6′ 2″	6′ 7″	8′ 2 ″	8′ 9″	11′ 1″	11′ 10″	12′ 10″	13′ 9″	14′ 0″	14′ 0″]
Ⅱ⊥⊔⊢		lone	#1 / #2	5′ 6 ″	9′ 5″	9′ 9″	11′ 1″	11′ 6″	13′ 2″	13′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	⅃
=	-	SPF	#3	5′ 3 ″	9′ 3″	9′ 9″	10′ 11″	11′ 4″	13′ 0″	13′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″]
<u> </u>	U	HF	Stud	5′ 3″	9′ 3″	9′ 7″	10′ 11″	11′ 4″	13′ 0″	13′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″]
Ì	o U	1 11	Standard	5′ 3 ″	8′ 1″	8′ 7″	10′ 10″	11′ 4″	13′ 0″	13′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	┚
			#1	5′ 9″	9′ 6″	9′ 10 ″	11′ 3″	11′ 8 ″	13′ 4″	13′ 10″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	⅃
>		SP	#2	5′ 6″	9′ 5″	9′ 9″	11′ 1″	11′ 6″	13′ 2″	13′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″]
	9		#3	5′ 5 ″	8′ 6″	9′ 1″	11′ 0″	11′ 5 ″	13′ 1″	13′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″]
lω	16	IDFL	Stud	5′ 5 ″	8′ 6″	9′ 1″	11′ 0″	11′ 5″	13′ 1″	13′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″]
			Standard	5′ 3 ″	7′ 6″	8′ 0 ″	10′ 0″	10′ 9″	13′ 0″	13′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	⅃
abl		CDE	#1 / #2	6′ 1″	10′ 4″	10′ 8 ″	12′ 2″	12′ 8″	13′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
	-	SPF	#3	5′ 9 ′	10′ 2″	10′ 7″	12′ 0 ″	12′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	⅃
0	U	HF	Stud	5′ 9 ″	10′ 2″	10′ 7″	12′ 0 ″	12′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
	o U	1 11	Standard	5′ 9 ′	9′ 4″	9′ 11″	12′ 0″	12′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
X			#1	6′ 4″	10′ 6″	10′ 10″	12′ 4″	12′ 10″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
12		SP	#2	6′ 1″	10′ 4″	10′ 8″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
Μ	ù	L	#3	5′ 11 ″	9′ 10″	10′ 6 ″	12′ 1″	12′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
1	10	DFL	Stud	5′ 11″	9′ 10″	10′ 6″	12′ 1″	12′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
			Standard	5′ 9″	8′ 8 ″	9′ 3″	11′ 7″	12′ 5 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
								Symr Abou	ļ¢						
			' 1 M		M			HOUGH	· -						

Bracing Group Species and Grades: Group A: Spruce-Pine-Fir Hem-Fir #1 / #2 Standard #2 Stud #3 Stud #3 Standard Douglas Fir-Larch Southern Pine*** #3 #3 Stud Stud Standard Standard Group B: Hem-Fir #1 & Btr Douglas Fir-Larch Southern Pine*** #1 #1 #2

1x4 Braces shall be SRB (Stress-Rated Board) **For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards, Group B values may be used with these grades.

Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

Provide uplift connections for 35 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

Attach "L" braces with 10d (0.128"x3.0" min) nails. ★ For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones. ₩ ¥For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

"L" bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes					
Vertical Length	No Splice				
Less than 4' 0"	1X4 or 2X3				
Greater than 4' 0", but less than 11' 6"	2X4				
Greater than 11' 6"	3X4				
+ Refer to common truss design for					

Refer to the Building Designer for conditions not addressed by this detail.

> DATE 01/26/2018 DRWG A12015ENC160118

ASCE7-16-GAB12015

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

2x4 DF-L #2 or better diagonal brace; single

or double cut

(as shown) at upper end.

"L" Brace End

Zones, typ.

Trusses require extreme care in fabricating, handling, shipping, installing and inracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, br PI 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 celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.

Refer to drawings 160A-Z for standard plate positions.

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

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

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

MAX, TOT, LD, 60 PSF

ABCD Engineering, PLLC NC COA 0838 MAX. SPACING 24.0"

Vertical length shown

Connect diagonal at

midpoint of vertical web.

in table above.

Gable Truss

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

Diagonal brace option:

vertical length may be doubled when diagonal

brace is used. Connect diagonal brace for 335# at each end. Max web

total length is 14'.

€

Continuous Bear

Refer to chart above for may

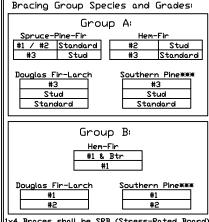
Gable Stud Reinforcement Detail

ASCE 7-16: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 100 Mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00 Dr: 100 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00

		2x4 Vertica	Brace	No	(1) 1×4 *L	" Brace *	(1) 2×4 *L	." Brace *	(2) 2×4 1 L	" Brace **	(1) 2×6 ' L	" Brace *	(2) 2×6 *L	*Brace **	}
 	Spacing	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	
	, -	CDE	#1 / #2	4′ 7″	7′ 10″	8′ 1″	9′ 3″	9′ 7″	11' 0"	11′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
		SPF	#3	4′ 4″	7′ 2 ″	7′ 8″	9′ 1″	9′ 5 ″	10′ 10″	11′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
Ď	Ų	HF	Stud	4′ 4″	7′ 2″	7′ 7″	9′ 1″	9′ 5″	10′ 10″	11′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	10		Standard	4′ 4″	6′ 2″	6′ 7″	8′ 2″	8′ 9″	10′ 10″	11′ 4″	12′ 10 ″	13′ 9″	14′ 0″	14′ 0″	
به			#1	4′ 10″	7′ 11″	8′ 2 ″	9′ 4″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
		l SP	#2	4′ 7″	7′ 10″	8′ 1″	9′ 3″	9′ 7″	11′ 0″	11′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	4		#3	4′ 6″	6′ 6 ″	6′ 11 ″	8′ 7″	9′ 2″	10′ 11″	11′ 4″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	
		IDFL	Stud	4′ 6″	6′ 6″	6′ 11 ″	8′ 7 ″	9′ 2″	10′ 11″	11′ 4″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	
d			Standard	4′ 4″	5′ 9 ″	6′ 1″	7′ 7″	8′ 2″	10′ 4″	11' 1"	11′ 11″	12′ 10 ″	14′ 0″	14′ 0″	
1.9		CDE	#1 / #2	5′ 3 ″	8′ 11″	9′ 3″	10′ 7″	11′ 0″	12′ 7″	13′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
rtic	-	SPF	#3	5′ 0 ″	8′ 10 ″	9′ 3″	10′ 5 ″	10′ 10″	12′ 5″	12′ 11 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	Ų	HF	Stud	5′ 0 ″	8′ 9 ″	9′ 2″	10′ 5″	10′ 10″	12′ 5″	12′ 11 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
Ιà	ō	<u>, [[[[</u>	Standard	5′ 0 ″	7′ 6″	8′ 0″	10′ 1″	10′ 9″	12′ 5″	12′ 11 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
\mathbb{I}^{ω}			#1	5′ 6 ″	9′ 1″	9′ 5″	10′ 8″	11′ 1″	12′ 8″	13′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
>		l SP	#2	5′ 3 ″	8′ 11″	9′ 3″	10′ 7″	11′ 0″	12′ 7″	13′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	9		#3	5′ 1 ″	7′ 11″	8′ 5 ″	10′ 6″	10′ 11″	12′ 6″	13′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
lω	16	IDFL	Stud	5′ 0 ″	7′ 11″	8′ 5 ″	10′ 6″	10′ 11″	12′ 6″	13′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
			Standard	5′ 0 ″	7′ 0″	7′ 5″	9′ 4″	10′ 0″	12′ 5″	12′ 11 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	12″ o.c.	lone.	#1 / #2	5′ 9 ″	9′ 10″	10′ 2″	11′ 7″	12′ 1 ″	12′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
		SPF	#3	5′ 6 ″	9′ 8″	10′ 1″	11′ 6″	11′ 11″	13′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
Μαχ Gα		HF	Stud	5′ 6 ″	9′ 8″	10′ 1″	11′ 6″	11′ 11″	13′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
		1 11	Standard	5′ 6 ″	8′ 8 ″	9′ 3″	11′ 6″	11′ 11″	13′ 8″	14' 0"	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
			#1	6′ 0 ″	10′ 0″	10′ 4″	11′ 9″	12′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
		SP	#2	5′ 9 ″	9′ 10″	10′ 2″	11′ 7″	12′ 1″	13′ 10″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
			#3	5′ 8 ″	9′ 2″	9′ 9″	11′ 6″	12′ 0 ″	13′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
		IDFL	Stud	5′ 8 ″	9′ 2″	9′ 9″	11′ 6″	12′ 0 ″	13′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
		I	Standard	5′ 6 ″	8′ 1″	8′ 7 ″	10′ 9″	11′ 6″	13′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	

Symm C



1x4 Braces shall be SRB (Stress-Rated Board) **For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards, Group B values may be used with these grades.

Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

Provide uplift connections for 70 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

Attach "L" braces with 10d (0.128"x3.0" min) nails. * For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones. ₩ ¥For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

"L" bracing must be a minimum of 80% of web member length.

	Gable Vertical Plate Sizes				
	Vertical Length	No Splice			
	Less than 4' 0"	1X4 or 2X3			
	Greater than 4' 0", but	2X4			
	less than 11' 6"	_,,,			
	Greater than 11' 6"	3X4			
+ Refer to common truss design for					

peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.

> DATE 01/26/2018 DRWG A12030ENC160118

ASCE7-16-GAB12030

Refer to chart above for mg ***VARNINGI*** READ AND FOLLOW ALL NOTES ON THIS DRAWINGI ****IMPORTANT*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

2x4 DF-L #2 or better diagonal brace; single

or double cut

(as shown) at upper end.

Gable Truss

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, br PI 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 celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.

Refer to drawings 160A-Z for standard plate positions.

"L" Brace End

Zones, typ.

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

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

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

MAX. TOT. LD. 60 PSF

ABCD Engineering, PLLC NG COAPSTING 24.0"

Vertical length shown

Connect diagonal at

midpoint of vertical web.

in table above.

Diagonal brace option:

vertical length may be doubled when diagonal

brace is used. Connect diagonal brace for 385# at each end. Max web

total length is 14'.

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

11/14/2024

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Continuous Bear

CLR Reinforcing Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired.

Notes:

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforecement or scab reinforcement.

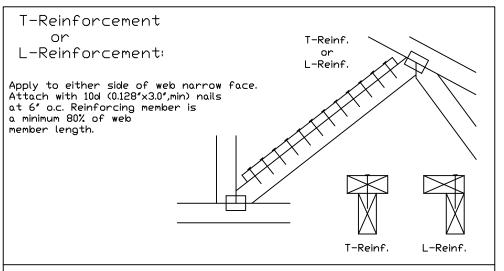
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

Use scabs instead of L- or T- reinforcement on webs with intersecting truss joints, such as K-web joints, that may interfere with proper application along the narrow face of the web.

Web Member	Specified CLR	Alternative Reir	
Size	Restraint	T- or L- Reinf.	
2x3 or 2x4	1 row	2×4	1-2×4
2x3 or 2x4	2 rows	2×6	2-2×4
2×6	1 row	2×4	1-2×6
2×6	2 rows	2×6	2-2×4(米)
5×8	1 row	2×6	1-2×8
5×8	2 rows		2-2×6(*/)

T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

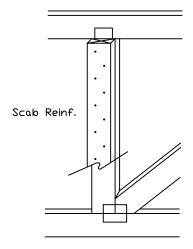
Center scab on wide face of web. Apply (1) scab to each face of web.



Scab Reinforcement:

Apply scab(s) to wide face of web. No more than (1) scab per face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.

11/14/2024



VARNINGI 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 morcing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IFI 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 celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.

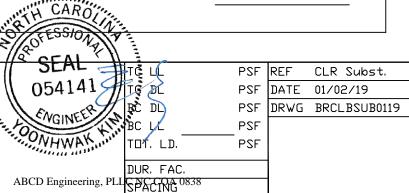
Refer to drawings 160A-Z for standard plate positions.

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

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

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

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



ASCE 7-16: 120 mph, 30' Mean Height, Closed, Exposure C Common Residential Gable End Wind Bracing Requirements - Stiffeners

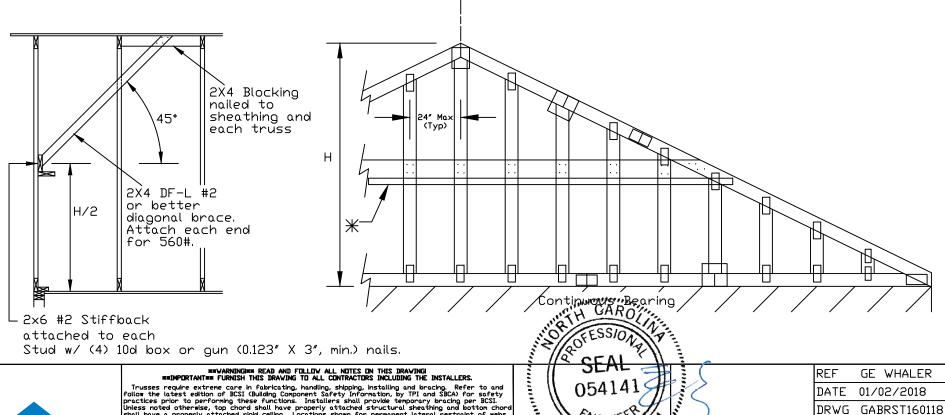
120 mph, 30ft. Mean Hgt, ASCE 7-16, Enclosed, Exp C, or 100 mph, 30ft. Mean Hgt, ASCE 7-16, Enclosed, Exp D, or 100 mph, 30ft. Mean Hgt, ASCE 7-16, Part. Enclosed, Exp C, Kzt = 1.00, Wind TC DL=5.0 psf, Wind BC DL=5.0 psf.

Lateral chord bracing requirements Top: Continuous roof sheathing Bot: Continuous ceiling diaphragm

See Engineer's sealed design referencing this detail for lumber, plates, and other information not shown on this detail.

Nails: 10d box or gun (0.128"x3",min) nails.

- H Less than 4'6" no stud bracing required
- H Greater than 4'6" to 7'6" in length provide a 2x6 stiffback at mid-height and brace stiffback to roof diaphragm every 6'0" (see detail below or refer to DRWG A12030ENC160118).
- H Greater than 7'6" to 12'0" max: provide a 2x6 stiffback at mid-height and brace to roof diaphragm every 4'0" (see detail below or refer to DRWG A12030ENC160118).
- ★ Optional 2x L-reinforcement attached to stiffback with 10d box or gun (0.128" x 3", min.) nails @ 6" o.c.



155 Harlem Ave

Glenview, IL 60025

North Building, 4th Floor

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 celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.

Refer to drawings 160A-Z for standard plate positions.

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

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional

engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Bullding Designer per ANSI/TPI 1 Sec.2.

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

MAX. TOT. LD. 60 PSF

ABCD Engineering, PLL CNC COA 0838 MAX. SPACING

11/14/2024

Gable Detail For Let-in Verticals Gable Truss Plate Sizes Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs. (+) Refer to Engineered truss design for peak, splice, web, and heel plates. *If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web. Gable Vertical Length \ typ. Example:

Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:

10d Common (0.148"x 3.", min) Nails at 4" o.c. plus

(4) nails in the top and bottom chords.

10d Common (0.148"x3".min) Toenails at 4" o.c. plus

(4) toenalls in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A11015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

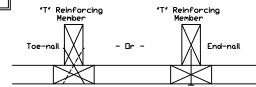
A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118,

\$11515ENC100118, \$12015ENC100118, \$14015ENC100118, \$16015ENC100118, \$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015PFD10044

S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030EN2100118 RO \$18030ENC100118, \$20030ENC100118, \$20030END100118, \$20080PED196

See appropriate Alpine gable detail for maximum unreinforce

"T" Reinforcement Attachment Detail



To convert from "L" to "T" reinforcing members, multiply "T" increase by length (based on appropriate Alpine gable detail).

Maximum allowable "T" reinforced gable vertical length is 14' from top to bottom chord.

"T" reinforcing member material must match size, specie, and grade of the "L" reinforcing member.

Web Length Increase w/ "T" Brace|

"T" Reinf.	"T"		
Mbr. Size	Increase		
2×4	30 %		
2x6	20 %		

Example:

ASCE 7-10 Wind Speed = 120 mph Mean Roof Height = 30 ft, Kzt = 1.00 Gable Vertical = 24"o.c. SP #3

"T" Reinforcing Member Size = 2x4

"T" Brace Increase (From Above) = 30% = 1.30 (1) 2x4 "L" Brace Length = 8' 7"

Maximum "T" Reinforced Gable Vertical Length $1.30 \times 8' \ 7'' = 11' \ 2''$

VARNINGI 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, br PI 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 celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.

Refer to drawings 160A-Z for standard plate positions.

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

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

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

IREF LET-IN VERT DATE 01/02/2018

DRWG GBLLETIN0118

MAX, TOT, LD, 60 PSF

ABCD Engineering, PLLD COA6838 ANY

MAX, SPACING 24.0"



Rigid Sheathing

Ceiling

4 Nails

Nails

Spaced At

4 Nails

Reinforcing

Member

Gable

Truss

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

11/14/2024

Piggyback Detail - ASCE 7-16: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

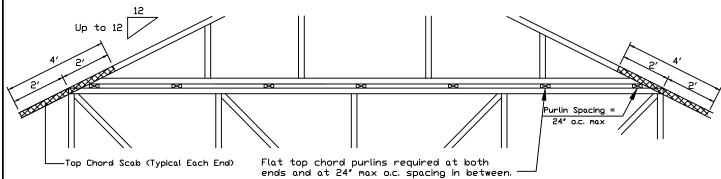
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

** Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Detail A: Purlin Spacing = 24" o.c. or less



Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4" o.c.

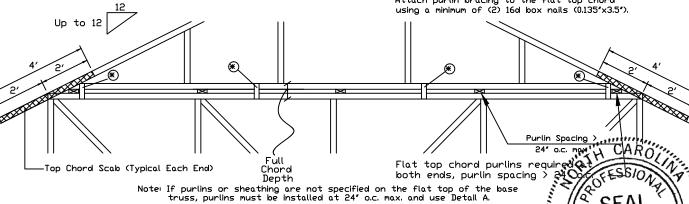
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3X8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

Detail B: Purlin Spacing > 24" o.c.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4" o.c.

Attach purlin bracing to the flat top chord



* In addition, provide connection with one of the following methods:

Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.

APA Rated Gusset

8'x8'x7'16' (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.13'x2') nalls per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

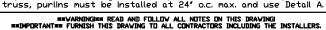
2x4 Vertical Scabs

2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered o.c. front to back faces.

28PB Wave Piggyback Plate

Dine 28PB wave piggyback plate to each face 8 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120'x1.375' nails per face per ply.
Piggyback plates may be staggered 4' o.c. front

to back faces.



Note: If purlins or sheathing are not specified on the flat top of the base

***INTLINIARIES** LINKNISH IHIS DRAWING TII ALL CONTRACTORS INCLUDING THE INSTALLERS.

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Refer to drawings 160A-Z for standard plate positions.

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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.lccsafe.org



IREF **PIGGYBACK** DATE 01/02/2018

DRWG PB160160118

ABCD Engineering, PLIC NC COA 0838 SPACING

24.0"



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

Valley Detail - ASCE 7-16: 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better. Bot Chord 2x4 SP #2N or SPF #1/#2 or better. Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

** Attach each valley to every supporting truss with: (2) 16d box $(0.135" \times 3.5")$ nails toe-nailed for ASCE 7-16, 30' Mean Height, Enclosed Building, Exp. C. Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on supporting truss material at connection location: 170 mph for SP (G = 0.55, min.), 155 mph for DF-L (G = 0.50, min.), or 120 mph for HF & SPF (G = 0.42, min.).

Maximum top chord pitch is 10/12 for supporting trusses below valley trusses.

Bottom chord of valley trusses may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

All plates shown are Alpine Wave Plates.

Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box $(0.128" \times 3.0")$ nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

Top chord of truss beneath valley set must be braced with: properly attached, rated sheathing applied prior to valley truss installation.

Purlins at 24" o.c. or as otherwise specified on engineer's sealed design

By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design

- *** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.
- ++ Larger spans may be built as long as the vertical height does not exceed 14'-0''.

