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Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 22-6896
Job Description: Reserve at Jewel Lake 40 - Carlisle A - GL	
Address: 376 SW Jewel Lake Dr, FL	

Job Engineering Criteria:				
Design Code: FBC 7th Ed. 2020 Res.	IntelliVIEW Version: 21.01.01A			
	JRef #: 1XcR2150016			
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00			
Building Type: Closed				

This package contains general notes pages, 27 truss drawing(s) and 3 detail(s).

Item	Drawing Number	Truss
1	034.22.1014.28861	A01
3	034.22.1014.28750	A03
5	034.22.1014.28752	A05
7	034.22.1014.28844	A07
9	034.22.1014.29453	A09
11	034.22.1014.29235	A11
13	034.22.1014.29173	A13
15	034.22.1014.29281	A15
17	034.22.1014.29110	A17
19	034.22.1014.29267	A19
21	034.22.1014.28518	B02
23	034.22.1014.28798	J02
25	034.22.1014.28657	J04
27	034.22.1055.52812	J06
29	BRCLBSUB0119	

Item	Drawing Number	Truss
2	034.22.1014.29219	A02
4	034.22.1014.29048	A04
6	034.22.1014.29049	A06
8	034.22.1014.29172	A08
10	034.22.1014.28891	A10
12	034.22.1014.29016	A12
14	034.22.1014.28860	A14
16	034.22.1014.28578	A16
18	034.22.1014.28485	A18
20	034.22.1014.29157	B01
22	034.22.1014.28517	J01
24	034.22.1014.28610	J03
26	034.22.1014.29360	J05
28	A14015ENC160118	
30	GBLLETIN0118	

General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AWC. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

Temporary Lateral Restraint and Bracing:

Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

Permanent Lateral Restraint and Bracing:

The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed and detailed by the Building Designer.

Connector Plate Information:

Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at www.icc-es.org.

Fire Retardant Treated Lumber:

Fire retardant treated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.

General Notes (continued)

Key to Terms:

Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.

BCLL = Bottom Chord standard design Live Load in pounds per square foot.

CL = Certified lumber.

Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

FRT = Fire Retardant Treated lumber.

FRT-DB = D-Blaze Fire Retardant Treated lumber.

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.

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 of all load cases.

Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.

Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for of all load cases.

NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.

PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.

PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds

PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.

PP = Panel Point.

R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).

Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).

TCDL = Top Chord standard design Dead Load in pounds per square foot.

TCLL = Top Chord standard design Live Load in pounds per square foot.

U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.

VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.

VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment. W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.

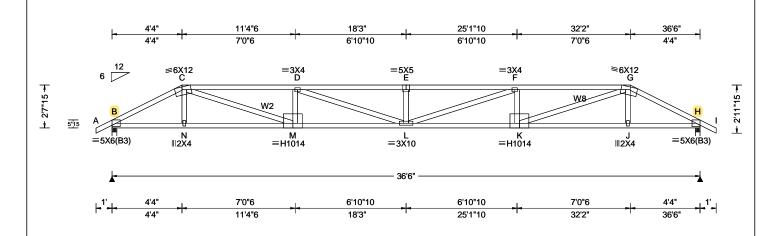
Uppercase Acronyms not explained above are as defined in TPI 1.

References:

- 1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
- 2. ICC: International Code Council; www.iccsafe.org.
- 3. Alpine, a division of ITW Building Components Group Inc.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; 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: 389614 / HIPS Ply: 2 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T26 FROM: CDM Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1014.28861 Truss Label: A01 / YK 02/03/2022

2 Complete Trusses Required



	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
	TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.636 E 684 360
	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 1.277 E 340 240
	BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.102 C
	Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.204 C
	NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
	Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.847
	Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.736
	Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: No	Max Web CSI: 0.743
	· -	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
		GCpi: 0.18	Plate Type(s):	
		Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20
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Lumber

Top chord: 2x4 SP M-31;

Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3; W2,W8 2x4 SP #2;

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" o.c. :1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

(Lumber	Dur.Fac.=1	.25 / Plate [Dur.Fac.=1.2	25)
TC: From	62 plf at	-1.00 to	62 plf at	4.33
TC: From	31 plf at	4.33 to	31 plf at	32.17
TC: From	62 plf at	32.17 to	62 plf at	37.50
BC: From	4 plf at	-1.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	4.36
BC: From	10 plf at	4.36 to	10 plf at	32.14
BC: From	20 plf at	32.14 to	20 plf at	36.50
BC: From	4 plf at	36.50 to	4 plf at	37.50
TC: 223 lb	Conc. Load	at 4.36,32	.14	
TC: 186 lb	Conc. Load	at 6.40, 8.	40,10.40,12	2.40
14.40,16.40,1	18.25,20.10,	22.10,24.10),26.10,28.1	0

BC: 334 lb Conc. Load at 4.36,32.14

BC: 128 lb Conc. Load at 6.40, 8.40,10.40,12.40 14.40,16.40,18.25,20.10,22.10,24.10,26.10,28.10 30.10

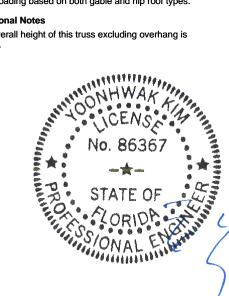
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is



▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 3590 /-/704 /-3590 /-/-/704 /-Wind reactions based on MWFRS Brg Width = 3.5Min Reg = 1.5В Brg Width = 3.5 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 664 - 3410 1392 - 7154 C - D 1190 - 6118 F-G 1190 -6118 D-E 1392 - 7154 G-H 664 - 3410

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.		Chords	Tens. Comp.
B - N	2991 - 580	L-K	6215 - 1221
N - M	3002 - 577	K - J	3002 - 577
M - L	6215 - 1221	J - H	2991 - 580

Maximum Web Forces Per Ply (lbs)

AA GD2	us rens.comp.		Mena	i ciio. V	Jonnp.
C - M	3293	- 648	L-F	995	- 181
M - D	255	- 799	F-K	255	- 799
D-L	995	- 181	K-G	3293	- 648
E-L	169	- 400			

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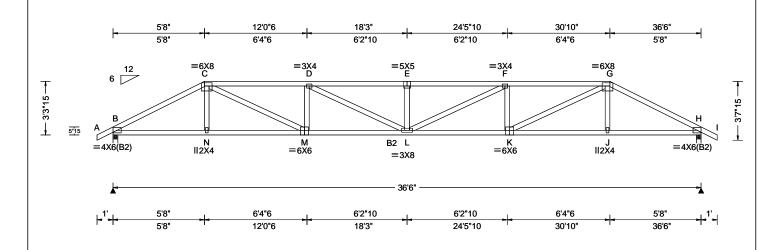
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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



SEQN: 389577 / HIPS Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T2 / FROM: CDM DrwNo: 034.22.1014.29219 Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL Truss Label: A02 / DF 02/03/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.407 E 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.830 E 524 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.080 C	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.164 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	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.959	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.972	
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.821	
' "	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		L
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
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Top chord: 2x4 SP #2;

Bot chord: 2x4 SP M-31; B2 2x4 SP #2;

Webs: 2x4 SP #3;

Purlins

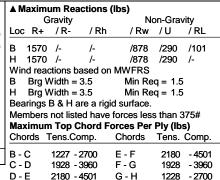
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-3-15.



Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.Comp.	Chords	Tens.	Comp.		
B - N	2331 - 1013	L-K	4022	- 1822		
N - M	2333 - 1009	K-J	2333	- 998		

4022 - 1833 2331 - 1002 М - L .I - H Maximum Web Forces Per Ply (lbs)

Webs T	ens.C	omp.	Webs	Tens. (Comp.
C - M		- 919	L-F	535	- 255
M - D		- 656	F-K	458	- 656
D - L		- 255	K-G	1809	- 919



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SEQN: 389578 / FROM: CDM

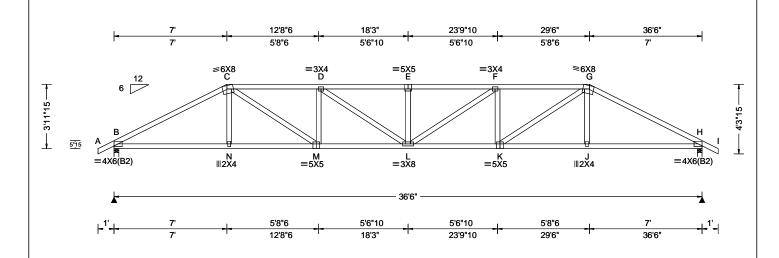
HIPS

Ply: 1 Qty: 1 Job Number: 22-6896

Reserve at Jewel Lake 40 - Carlisle A - GL

Truss Label: A03

Cust: R 215 JRef: 1XcR2150016 T3 / DrwNo: 034.22.1014.28750 / DF 02/03/2022



▲ Maxim	▲ Maximum Reactions (lbs)					
	Gravity		Non-Gravity			
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
B 1570) /-	/-	/891	/288	/118	
H 1570) /-	/-	/891	/288	/-	
Wind rea	actions b	ased on	MWFRS			
B Brg	Width =	3.5	Min Re	q = 1.9)	
H Brg	Width =	3.5	Min Re	q = 1.9)	
Bearings	в&На	re a rigio	d surface.			
Members	s not liste	ed have t	forces les	s than 3	375#	
Maximu	m Top C	hord Fo	rces Per	Ply (lb	s)	
Chords	Tens.Co	mp.	Chords	Tens.	Ćomp.	
В-С	1165 -	2658	E-F	1765	- 3684	
C-D	1602 -	3323	F-G	1602	- 3323	
D-E	1765 -	3684	G-H	1166	- 2658	

Lumber

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

Purlins

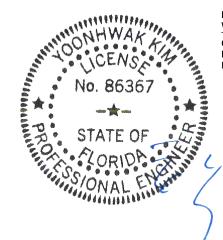
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords B - N 2278 - 944 3368 - 1459

N - M - 941 2281 K-J 2281 - 929 M - L 3368 - 1471 J - H 2278 - 933 Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Ťens. (Comp.
C - M		- 653	L-F		- 184
M - D	405	- 574	F-K	405	- 574
D - L	383	- 184	K - G	1251	- 653

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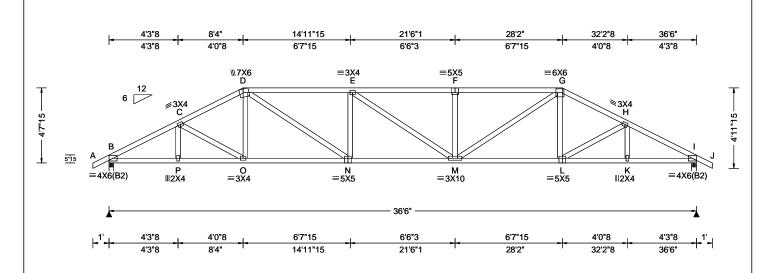
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SEQN: 389579 / HIPS Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T4 / FROM: CDM DrwNo: 034.22.1014.29048 Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL Truss Label: A04 / DF 02/03/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.234 F 999 360
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.477 F 911 240
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.078 K
Dec 1 d: 40 00 1	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.158 K
NCDCLL, 40 00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
0 - 46:4: 0 00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.899
l l	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.996
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.591
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

Lumber

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

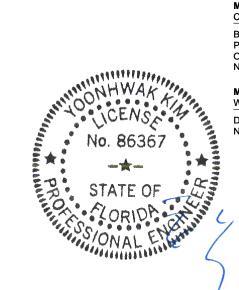
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



▲ Ma	▲ Maximum Reactions (lbs)						
	Gravity				Non-Gravity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
В	1570	/-	/-	/902	/287	/136	
1	1570	/-	/-	/902	/287	/-	
Wind	d reac	tions ba	sed on	MWFRS			
В	Brg W	/idth = 3	.5	Min Re	q = 1.9)	
1	I Brg Width = 3.5			Min Re	q = 1.9)	
Bear	rings E	3 & I are	a rigid	surface.			
Mem	bers	not liste	d have	forces les	s than 3	375#	
Max	Maximum Top Chord Forces Per Ply (lbs)					s)	
Cho	rds T	ens.Cor	np.	Chords	Tens.	Comp.	
B - C		1071 - 2	652	F-G	1446	- 3048	
C - E)	1120 - 2	516	G-H	1120	- 2515	
D - E	•	1435 - 3	029	H-I	1072	- 2652	
E - F	•	1446 - 3	048				

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. (Comp.
B - P	2286 -889	M - L	2219	- 859
P - O	2287 - 892	L-K	2288	- 882
O - N	2220 -870	K-I	2286	- 879
N - M	3056 - 1271			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - N	974 - 504	F-M	337 - 406
N - E	350 - 414	M - G	992 - 515

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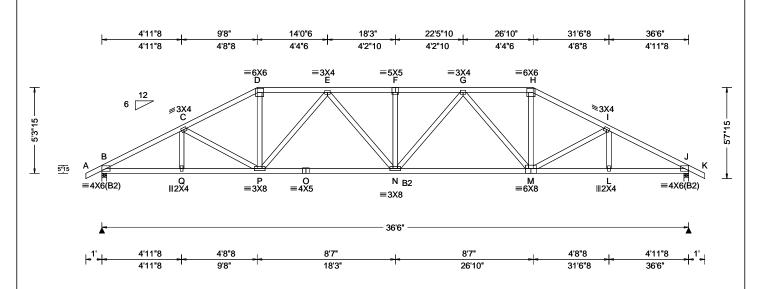
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 389617 / HIPS Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T5 / FROM: CDM Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1014.28752 Truss Label: A05 / DF 02/03/2022



TCLL: 20.00 Wind Std: ASCE 7-16 Pg: NA Ct: NA CAT: NA PP Deflection in loc TCDI: 10.00 Speed: 130 mph Pf: NA Ce: NA VFRT(III): 0.193 F		L/#
TODI: 40.00 Spood: 120 mph DE NA O-: NA VEDT(II.): 0.400 E	aga	
1.000 1.000 1.000	555	360
BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(CL): 0.393 F	999	240
BCDL: 10.00 Risk Category: II Snow Duration: NA HORZ(LL): 0.067 L	-	-
Des Ld: 40.00 HORZ(TL): 0.137 L	-	-
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 FBC 7th Ed. 2020 Res. Max TC CSI: 0.636	i	
Load Duration: 1.25 MWFRS Parallel Dist: h to 2h TPI Std: 2014 Max BC CSI: 0.898	i	
Spacing: 24.0 " C&C Dist a: 3.65 ft Rep Fac: Yes Max Web CSI: 0.517	•	
Loc. from endwall: not in 9.00 ft FT/RT:20(0)/10(0)		
GCpi: 0.18 Plate Type(s):		
Wind Duration: 1.60 WAVE VIEW Ver: 21.01.01A	.0521.	20

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP M-31; B2 2x4 SP #2; Webs: 2x4 SP #3;

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-3-15.

	- IVIGALI	mann ixce	iononia (103)		
		Gravity		N	on-Grav	/ity
,	Loc R+	- / R-	/ Rh	/ Rw	/ U	/ RL
)	B 157	0 /-	/-	/912	/98	/154
	J 157	0 /-	/-	/912	/98	/-
	Wind re	actions b	ased on	MWFRS		
	B Brg	Width =	3.5	Min Re	q = 1.5	;
	J Brg	Width =	3.5	Min Re	q = 1.5	;
	Bearing	s B & J a	re a rigio	d surface.		
	Member	s not list	ed have	forces les	s than 3	375#
	Maximu	ım Top (hord F	orces Per	Ply (lb	s)
	Chords	Tens.Co	omp.	Chords	Tens.	Comp.
	B-C	1023 -	2672	F-G	1239	- 2715
	C-D		2426	G-H	983	- 2137
	D-E	982 -	2139	H - I	1034	- 2425
	E-F	1239 -	2715	I - J	1023	- 2672

▲ Maximum Reactions (lbs)

Maximum Bot Chord Forces Per Ply (IDS)						
Chords	Tens.C	Comp.	Chords	Tens. (Comp.	
B-Q	2307	- 845	N - M	2535	- 979	
Q - P	2308	- 847	M - L	2309	- 836	

P-0 2536 - 990 O - N 2536 - 990

Maximum Web Forces Per Ply (lbs)						
Webs	Tens.C	Comp.	Webs	Tens. (Comp.	
D - P P - F		- 268 - 620	G - M M - H	385 758	- 621 - 268	

L-J

2308

-834



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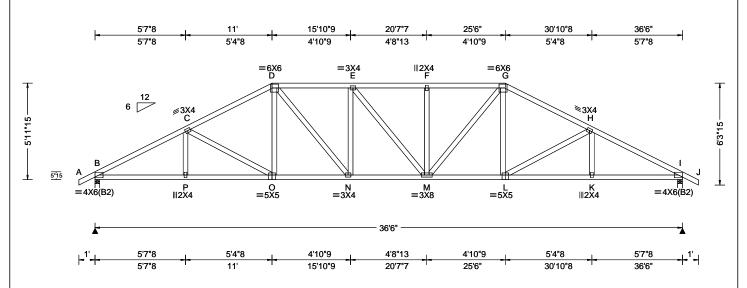
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SEQN: 389581 / HIPS Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T6 / FROM: CDM Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1014.29049 Truss Label: A06 / DF 02/03/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.183 F 999 360	١.
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.373 F 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.077 K	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.156 K	
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	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.701	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.985	
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.284	
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber	•	•	•	-

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

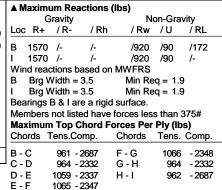
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-11-15.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. (Comp.
B - P	2315	- 783	M - L	2023	- 672
P - O	2314	- 786	L-K	2315	- 775
O - N	2023	- 684	K-I	2315	- 772
N - M	2351	- 836			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
D - N	491 - 271	M - G	499	- 278	



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FROM: CDM Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1014.28844 Truss Label: A07 / DF 02/03/2022 6'3"8 12'4" 18'3" 24'2" 30'2"8 36'6" 6'3"8 6'0"8 5'11' 5'11' 6'0"8 6'3"8 =6X6 ∥2<u>X</u>4 =6X6 //3X4 C 6'11"15 67 B2 L N ∥2X4 M ≡5X5 =5X5 =4X6(B2) =4X6(B2) ∥2X4 =3X8 36'6" 6'3"8 6'0"8 5'11" 5'11' 6'0"8 6'3"8 6'3"8 12'4" 18'3" 24'2' 30'2"8 36'6"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.159 E 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.323 E 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.061 J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.125 J
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	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.681
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.548
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.404
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber	_	_	_

Job Number: 22-6896

SEQN: 389582 /

HIPS

Ply: 1

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP M-31; B2 2x4 SP #2;

Webs: 2x4 SP #3;

Purlins

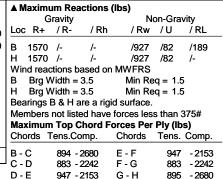
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



Cust: R 215 JRef: 1XcR2150016 T7 /

Maximu	Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.C	Comp.	Chords	Tens. 0	Comp.		
B - N	2308	- 719	L-K	1932	- 581		
N - M	2307	- 721	K-J	2307	- 710		
M - I	1932	- 592	.I - H	2308	- 708		

J - H

K - G

- 708

- 431

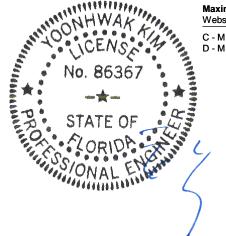
149

1932 - 592

413 - 24

M - L

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C - M 413 149 - 431 F-K - 24



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SEQN: 389619 / HIPS Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T12 / FROM: CDM Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1014.29172 Truss Label: A08 / DF 02/03/2022 6'11"8 13'8" 18'3" 22'10" 29'6"8 36'6" 6'11"8 6'8"8 4'7' 4'7' 6'8"8 6'11"8 =6X6 **≡3X4** =6X6 [≥]5X5 G **∮**5X5 5 7311 77 5"15 B2 =4X6(B2) M ∥2X4 K ≡5X10 =4X6(B2) ≡5X10 J ∥2X4 36'6" 6'11"8 6'8"8 9'2" 6'8"8 6'11"8 6'11"8 13'8' 22'10' 29'6"8 36'6' ▲ Maximum Reactions (lbs)

TCLL: 20.00	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Γ.
Wind Duration: 1.60 WAVE VIEW Ver: 21.01.01A.0521.20	TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.65 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	VERT(LL): 0.148 E 999 360 VERT(CL): 0.302 E 999 240 HORZ(LL): 0.059 J HORZ(TL): 0.121 J Creep Factor: 2.0 Max TC CSI: 0.702 Max BC CSI: 0.796 Max Web CSI: 0.600	

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1566 /-/932 /207 1566 /-/932 /-Wind reactions based on MWFRS Brg Width = 3.5В Min Rea = 1.5Brg Width = 3.5 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 828 - 2661 775 - 1838 C - D 792 - 2138 F-G 792 - 2138 D-E 775 - 1838 G-H 828 - 2661

Lumber

Top chord: 2x4 SP #2;

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

Bracing

(a) Continuous lateral restraint equally spaced on

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

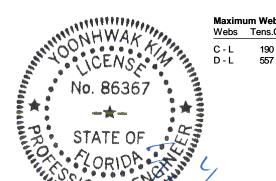
Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 7-3-15.



Maximum Web Forces Per Ply (lbs) Tens.Comp. Webs Tens. Comp. 557 190 - 522 K - F - 135 557 - 135 K - G 190 - 522

Chords

K - J

J - H

Tens. Comp.

- 644

-642

2285

2287

Maximum Bot Chord Forces Per Ply (lbs)

- 653

Chords Tens.Comp.

2287

2285 - 655

1912 - 543

B - M

M - L

L-K

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SEQN: 389584 / HIPS Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T29 / FROM: CDM Qty: 1 DrwNo: 034.22.1014.29453 Reserve at Jewel Lake 40 - Carlisle A - GL Truss Label: A09 / DF 02/03/2022 5'1"15 10'1" 21'6" 26'5' 31'4"1 36'6' 5'1"15 4'11' 6'6" 4'11" 5'1"15 ≡6X6 F ≅5X5 F //3X4 D 8'3"15 N ≡5X5 В2 M ≡3X4 =6X8 K ≡3X4 =4X6(B2) \equiv 4X6(B2) 36'6" 7'7"8 7'4"8 6'6" 7'4"8 7'7"8 7'7"8 15' 21'6' 28'10"8 36'6"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.166 M 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.326 M 999 240	le
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.068 K	1
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.134 K	V
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	E
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.718	Ľ
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.719	E
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.494	I N
' "	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		۱"
	GCpi: 0.18	Plate Type(s):] -
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	E

▲ N	laximι	ım Rea	actions ((lbs)				
Gravity Loc R+ /R- /Rh				N	Non-Gravity			
				/ Rw	/ U	/ RL		
В	1633	/-	/-	/935	/41	/225		
1	1624	/-	/-	/935	/41	/-		
Wir	nd read	tions b	ased on	MWFRS				
В	Brg V	Vidth =	3.5	Min Re	q = 1.5	;		
1	Brg V	Vidth =	3.5	Min Re	q = 1.5	;		
Bea	arings l	B&la	re a rigid	surface.				
Me	mbers	not list	ed have	forces les	s than 3	375#		
Ma	ximum	Top (Chord Fo	orces Per	Ply (lb	s)		
Cho	ords T	ens.C	omp.	Chords	Tens.	Comp.		
В-	С	770 -	2832	F-G	720	- 2113		
J С -	D	757 -	2637	G-H	755	- 2616		
D-	E	722 -	2145	H-I	769	- 2812		
Е-	F	702 -	1840					

Lumber

Top chord: 2x4 SP #2;

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

Bracing

(a) Continuous lateral restraint equally spaced on

Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

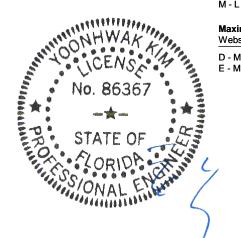
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 7-11-15.



2192 N - M - 522 K - I 2430 - 605 M - L 1858 - 395 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. D - M 184 - 482 551 -77

Chords

L-K

L-G

Tens. Comp.

- 510

- 484

2170

182

Maximum Bot Chord Forces Per Ply (lbs)

Tens.Comp.

590 - 69

2447 - 617

Chords

B - N

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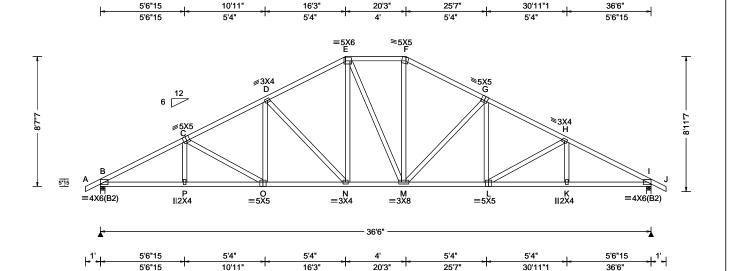
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SEQN: 389589 / HIPS Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T17 / FROM: CDM Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1014.28891 Truss Label: A10 / DF 02/03/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.65 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.162 N 999 360 VERT(CL): 0.329 N 999 240 HORZ(LL): 0.074 K HORZ(TL): 0.151 K Creep Factor: 2.0 Max TC CSI: 0.701 Max BC CSI: 0.985 Max Web CSI: 0.717 VIEW Ver: 21.01.01A.0521.20	
Lumber	•	•	•	٠. ر

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1570 /-/937 /241 /-/937 /-1570 /36 Wind reactions based on MWFRS Brg Width = 3.5Min Req = 1.9 Brg Width = 3.5 Min Req = 1.9Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C C - D 672 - 2684 640 - 1879 675 - 2348 G-H 675 - 2348 D-E 643 - 1888 673 - 2685 H - I

Lumber

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

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



Maximum Bot Chord Forces Per Ply (lbs)

624 - 1618

E-F

Cnoras	rens.c	omp.	Choras	rens.	Jomp.	
B - P	2312	- 526	M - L	2029	- 424	
P - O	2312	- 528	L-K	2313	- 518	
O - N	2030	- 436	K-I	2314	- 516	
N - M	1616	- 294				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - N	210 - 611	M - F	529 - 121
E-N	533 - 107	M - G	208 - 609

FL REG# 278, Yoonhwak Kim, FL PE #86367 02/03/2022

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

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

6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 389584 / HIPS Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T9 / FROM: CDM Qty: 1 DrwNo: 034.22.1014.29235 Reserve at Jewel Lake 40 - Carlisle A - GL Truss Label: A11 / DF 02/03/2022 5'1"15 10'1" 21'6" 26'5" 31'4"1 36'6' 5'1"15 6'6" 5'1"15 ≡6X6 F ≅5X5 F //3X4 D 8'3"15 N ≡5X5 В2 M ≡3X4 =6X8 K ≡3X4 =4X6(B2) \equiv 4X6(B2) 36'6" 7'7"8 7'4"8 6'6" 7'4"8 7'7"8 15' 21'6' 28'10"8 36'6 ▲ Maximum Reactions (lbs)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.166 M 999 360	<u>L</u>
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.326 M 999 240	E
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.068 K	1
Dec 1 d · 40 00	EXP: C Kzt: NA		HORZ(TL): 0.134 K	۷
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	E
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.718	Ľ
	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.719	E
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.494	ľ
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):		Į ≟
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	E
				- (

Giavity				Non-Gravity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
В	1633	/-	/-	/935	/41	/225
1	1624	/-	/-	/935	/41	/-
Win	d read	tions bas	sed on	MWFRS		
В	Brg V	/idth = 3.	.5	Min Re	q = 1.5	;
1	Brg V	/idth = 3.	.5	Min Re	q = 1.5	5
Bea	rings I	3 & I are	a rigid	surface.		
Mer	nbers	not listed	l have	forces less	s than 3	375#
Max	cimum	Top Ch	ord Fo	orces Per	Ply (lb	s)
Cho	rds T	ens.Con	np.	Chords	Tens.	Comp.
В-	С	770 - 28	332	F-G	720	- 2113
l C - l	D	757 - 26	637	G-H	755	- 2616
D -	E	722 - 21	145	H-I	769	- 2812

Lumber

Top chord: 2x4 SP #2;

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

Bracing

(a) Continuous lateral restraint equally spaced on

Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

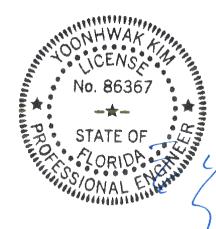
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 7-11-15.



Maximum Bot Chord Forces Per Ply (lbs)

702 - 1840

Chords	Tens.Comp.		Chords	Tens. (Comp.
B - N	2447	- 617	L-K	2170	- 510
N - M	2192	- 522	K-I	2430	- 605
NA I	1050	205			

Maximum Web Forces Per Ply (lbs)

webs rens.comp. we	
D - M 184 - 482 L - E - M 590 - 69 L -	

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SEQN: 389621 / HIPS Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T8 / FROM: CDM Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1014.29016 Truss Label: A12 / DF 02/03/2022 6'11"8 13'8" 18'3" 22'10" 29'6"8 36'6" 6'11"8 6'8"8 4'7' 4'7' 6'8"8 6'11"8 =6X6 =3X4 =6X6 [≥]5X5 G **∮**5X5 5 7311 77 5"15 B2 =4X6(B2) M ∥2X4 K ≡5X10 =4X6(B2) J ∥2X4 =5X10 36'6" 6'11"8 6'8"8 9'2" 6'8"8 6'11"8 6'11"8 13'8' 22'10' 29'6"8 36'6' ▲ Maximum Reactions (lbs)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	l
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.65 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Defi/CSI Criteria	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber				

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1566 /-/932 /207 1566 /-/932 /-Wind reactions based on MWFRS Brg Width = 3.5В Min Rea = 1.5Brg Width = 3.5 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 828 - 2661 775 - 1838 C - D 792 - 2138 F-G 792 - 2138 D-E 775 - 1838 G-H 828 - 2661

Maximum Bot Chord Forces Per Ply (lbs)

K - G

190

- 522

557 - 135

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP M-31; B2 2x4 SP #2;

Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

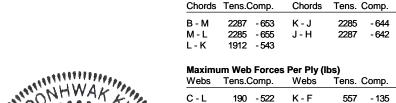
Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 7-3-15.



D-L



FL REG# 278, Yoonhwak Kim, FL PE #86367 02/03/2022

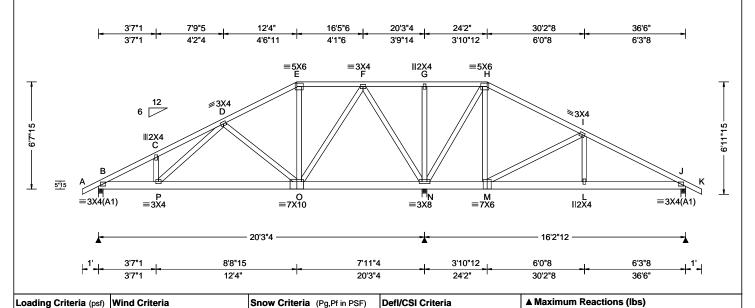
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SEQN: 389623 / HIPS Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T16 / FROM: CDM Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1014.29173 Truss Label: A13 / DF 02/03/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.021 P 999 360	١.
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.046 P 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 C	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.015 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	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.486	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.115	
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.965	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber	•	•		-

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.						
Chords	Tens.Comp.	Chords	Tens.	Ćomp.		
B-C	259 - 1143	F-G	558	- 47		
C - D	318 - 1124	G-H	558	- 48		
D-E	224 - 477	I - J	124	- 672		

/Rh

Wind reactions based on MWFRS Brg Width = 3.5

Bearings B, N, & J are a rigid surface.

Non-Gravity

/98 /-

/RL

/189

/Rw /U

/486

/995

/390

Min Req = 1.5

Min Req = 1.5

Min Rea = 1.5

Gravity

Brg Width = 3.5

Brg Width = 3.5

Loc R+

577

В 760

Ν 1904

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. C	Comp.
B - P	982	- 184	M - L	534	- 40
P-0	693	- 151	L-J	537	- 39

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		bs Tens.Comp. Webs		Webs	Tens. Comp.		
P-D	417	- 53	N - H	255	- 794			
D - O	202	- 429	H - M	378	-61			
0 - F	673	- 166	M - I	234	- 631			
F-N	393	- 945						



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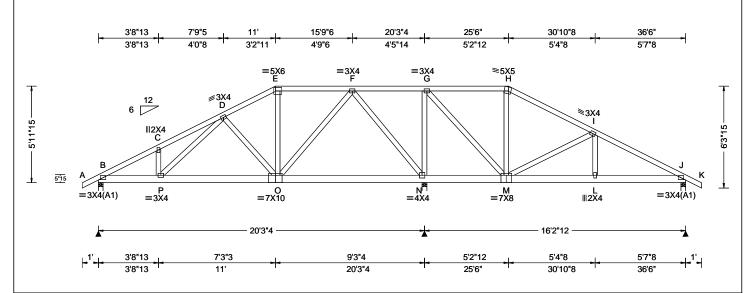
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SEQN: 389625 / HIPS Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T15 / FROM: CDM Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1014.28860 Truss Label: A14 / DF 02/03/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.021 P 999 360	١.
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.045 P 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 C	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.015 C	١,
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	ľ
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.377	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.109	
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.944	ľ
' '	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber				

▲ M	▲ Maximum Reactions (lbs)							
	G	ravity		No	n-Grav	/ity		
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL		
В	767	/-	/-	/487	/41	/172		
N	1854	/-	/-	/968	/110	/-		
J	606	/-	/-	/403	/57	/-		
Win	d reac	tions ba	sed on M	WFRS				
B Brg Width = 3.5				Min Re	q = 1.5	;		
N Brg Width = 3.5			.5	Min Req = 1.5				
J				Min Re	q = 1.5	;		
Bearings B, N, & J are a rigid surface.								
Members not listed have forces less than 375#								
Max	imum	Top Ch	ord Ford	es Per	Ply (lb:	s)		
Cho	rds T	ens.Cor	np. C	hords	Tens.	Comp.		

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

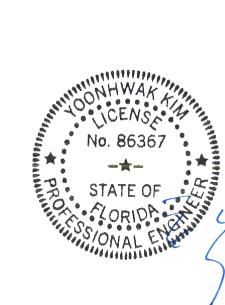
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-11-15.



Maximum Bot Chord Forces Per Ply (lbs)

314 - 1132

376 - 1114

286 - 589

B - C

C-D

D-E

Chords	Tens.Comp.		Chords	Tens. C	Comp.
B - P	971	- 231	M - L	608	- 78
P - O	707	- 172	L - J	611	-77
N - M	274	- 495			

F-G

- 483

-60

- 751

290

543

177

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Vebs Tens.Comp.		Webs	Tens. (Comp.
0-F	597	- 132	G - M	809	- 283		
F-N	436	- 964	M - I	183	- 517		
N - G	460	- 918					

FL REG# 278, Yoonhwak Kim, FL PE #86367 02/03/2022

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

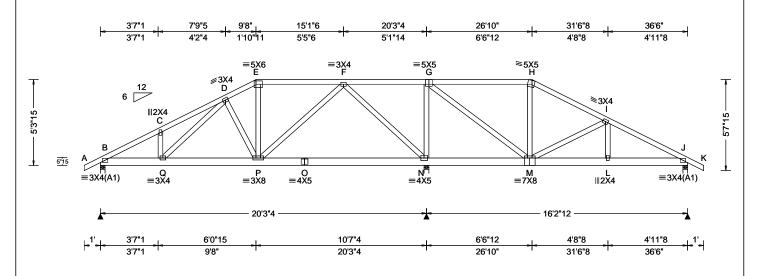
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SEQN: 389627 / HIPS Ply: 1 Job Number: 22-6896 FROM: CDM Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL

Cust: R 215 JRef: 1XcR2150016 T14 / DrwNo: 034.22.1014.29281 Truss Label: A15 / DF 02/03/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ī
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	ı
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.022 D 999 360	ı
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.046 D 999 240	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 C	ı
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.015 C	ı
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	ı
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.502	ı
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.148	ı
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.977	ı
' '	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		ı
	GCpi: 0.18	Plate Type(s):		_
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	ı
Lumber	•	•	•	_

▲ N	▲ Maximum Reactions (lbs)						
	G	ravity		No	on-Grav	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	779	/-	/-	/490	/40	/154	
N	1822	/-	/-	/943	/129	/-	
J	619	/-	/-	/406	/49	/-	
Wir	nd read	tions b	ased on N	MWFRS			
В	Brg V	Vidth =	3.5	Min Re	q = 1.5	;	
N	Brg V	Vidth =	3.5	Min Re	q = 1.5	;	
J	Brg V	Vidth =	3.5	Min Re	q = 1.5	j	
Bea	Bearings B, N, & J are a rigid surface.						
Members not listed have forces less than 375#							
Max	Maximum Top Chord Forces Per Ply (lbs)						
Cho	Chords Tens.Comp. Chords Tens. Comp.						

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

In lieu of structural panels use purlins to brace all flat

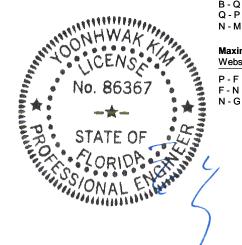
TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-3-15.



D - E E - F	342 - 717 332 - 622	I-J	211	- 794

H - I

- 92

- 397

537

171

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. - 274 B - Q - 114 - 113 975 M - L 652 Q-P 743 - 193 L-J 655

- 483 Maximum Web Forces Per Ply (lbs)

362 - 1135

427 - 1120

342 - 717

276

B - C

C-D

D - F

vvebs	rens.Comp.	webs	rens. Comp.		
P-F	539 - 104	G - M	855	- 325	
F-N	489 - 1005	M - I	148	- 412	
N - G	508 - 914				

FL REG# 278, Yoonhwak Kim, FL PE #86367 02/03/2022

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

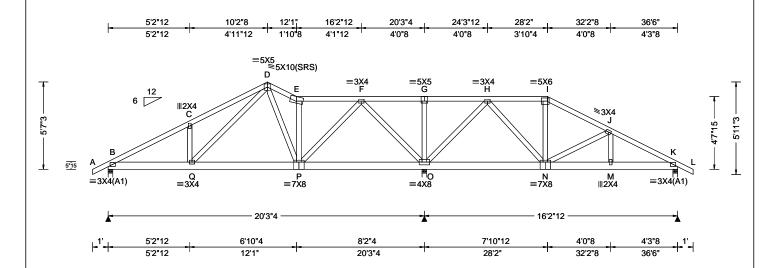
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 389629 / SPEC Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T11 / Qty: 1 FROM: CDM Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1014.28578 Truss Label: A16 / DF 02/03/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	T
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	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res.	PP Deflection in loc L/defl L/# VERT(LL): 0.026 C 999 360 VERT(CL): 0.055 C 999 240 HORZ(LL): 0.008 C HORZ(TL): 0.018 C Creep Factor: 2.0 Max TC CSI: 0.346	
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.65 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max BC CSI: 0.093 Max Web CSI: 0.707 VIEW Ver: 21.01.01A.0521.20	

Gravity				Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	770	/-	/-	/481	/128	/161	
0	1859	/-	/-	/959	/345	/-	
κ	603	/-	/-	/381	/93	/-	
Wi	nd reac	tions b	ased on N	/WFRS			
В	Brg V	Vidth =	3.5	Min Re	q = 1.5	;	
0	Brg V	Vidth =	3.5	Min Re	q = 1.5	;	
Κ	Brg V	Vidth =	3.5	Min Re	q = 1.5	;	
Bea	arings l	B, O, &	K are a ri	igid surfa	ce.		
Members not listed have forces less than 375#							
Ma	Maximum Top Chord Forces Per Ply (lbs)						
Ch	ords T	ens.Co	omp. (Chords	Tens.	Ćomp.	

▲ Maximum Reactions (lbs)

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.comp.	Choras	rens. Comp.	
B-Q Q-P	929 - 206 534 - 67			- 133 - 132
oz i	30 -1 01	101 13	001	102

Maximum Web Forces Per Ply (lbs)

rens.Comp.	vvebs	rens. Comp.	
549 - 180	F-O	490 - 1069	
246 - 420	O - H	420 - 889	
690 - 185	H - N	525 - 138	
	549 - 180 246 - 420	549 -180 F-O 246 -420 O-H	



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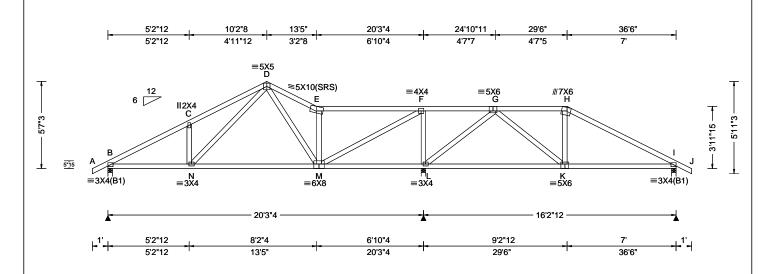
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 389631 / SPEC Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T1 / FROM: CDM Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1014.29110 Truss Label: A17 / DF 02/03/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ī
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.040 C 999 360	1.
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.084 C 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 C	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.028 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	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.638	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.541	
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.624	
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber				_

▲ M	▲ Maximum Reactions (lbs)						
	(avity		No	on-Grav	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	789	/-	/-	/483	/146	/161	
L	1811	/-	/-	/949	/307	/-	
1	621	/-	/-	/392	/113	/-	
Win	d rea	ctions b	ased on I	MWFRS			
В	Brg \	Nidth =	3.5	Min Re	q = 1.5	j	
L	Brg \	Nidth =	3.5	Min Req = 1.8			
1	Brg \	Nidth =	3.5	Min Re	q = 1.5	5	
Bea	rings	B, L, &	I are a rig	id surfac	e.		
Mer	Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)							
Cho	Chords Tens.Comp. Chords Tens. Comp.						

B - C 333 - 1153 F-G 696 - 177 C-D 435 - 1126 G-H 295 - 543 D-E 398 - 771 -710 H - I 265

In lieu of structural panels use purlins to brace all flat

TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

Top chord: 2x4 SP #2;

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

The overall height of this truss excluding overhang is



Chords Tens.Comp. Chords Tens. Comp. B - N 964 - 212 M - L 294 -612 N - M 558 - 85 K-I 551 - 134

Maximum Web Forces Per Ply (lbs) Tens.Comp. Webs Ťens. Comp. N - D 572 F-L 566 - 1074 E - M 404 - 637 L-G 415 - 912 M - F 1342 G - K - 484 546 - 120



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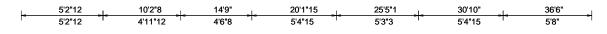
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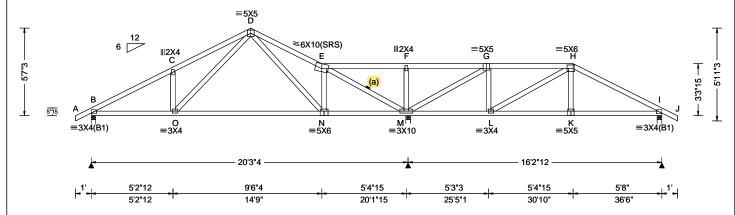
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SEQN: 389633 / SPEC Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T28 / FROM: CDM Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1014.28485 Truss Label: A18 / DF 02/03/2022





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
1.0220.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.038 C 999 360	[
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.082 C 999 240	ı
10.00 I	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 K	ı
Dec 1 d · 40 00 1	EXP: C Kzt: NA		HORZ(TL): 0.033 K	ı
INCOCIL: 40 00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	١
0 - 46:4: 0 00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.527	H
	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.633	Ľ
	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.837	Ľ
1 ' '	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		H
	GCpi: 0.18	Plate Type(s):		ı,
,	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20] ;
Lumber				

▲ M	▲ Maximum Reactions (lbs)						
	G	ravity		No	on-Grav	vity	
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
В	787	/-	/-	/481	/136	/161	
М	1800	/-	/-	/924	/322	/-	
I	630	/-	/-	/381	/108	/-	
Win	d read	ctions b	ased on N	/WFRS			
В	Brg V	Vidth =	3.5	Min Re	q = 1.5	j	
М	Brg V	Vidth =	3.5	Min Re	q = 1.7	,	
I	Brg V	Vidth =	3.5	Min Re	q = 1.5	j	
Bea	rings l	B, M, &	I are a rig	gid surfac	e.		
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
	Chords Tens.Comp. Chords Tens.Comp.						

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

Bracing

(a) Continuous lateral restraint equally spaced on

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-7-3.

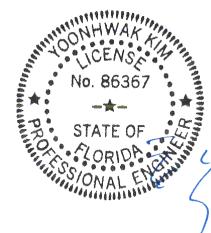


Maximum Bot Chord Forces Per Ply (lbs)

Tens.Comp.		Chords	Tens. Comp.	
968	- 169	M - L	394	- 115
553	- 53	L-K	640	- 199
578	- 52	K - I	635	- 202
	968 553	968 - 169 553 - 53 578 - 52	968 - 169 M - L 553 - 53 L - K	968 -169 M - L 394 553 -53 L - K 640

Maximum Web Forces Per Ply (lbs)

webs	Tens.Comp.	webs	Tens. Comp.
O - D	586 - 150	M - G	520 - 1201
E - M	518 - 1503	L-H	117 - 377



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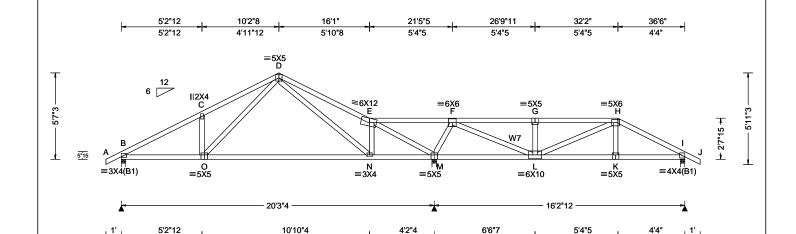
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SEQN: 389635 / SPEC Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T13 / FROM: CDM Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1014.29267 Truss Label: A19 / DF 02/03/2022



20'3"4

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.068 G 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.146 G 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.026 K
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.053 K
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	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.980
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.906
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.810
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

16'1'

Loc. from endwall: not in 4.50 ft	-1	Max Web CSI: 0.810
W. I.B. C. 4.00	'' ''	VIEW Ver: 21.01.01A.0521.20

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W7 2x4 SP #2;

Special Loads

(Lumber	Dur.Fac.=1.	.25 / Plate D	or.Fac.=1.2	25)
TC: From	62 plf at	-1.00 to	62 plf at	22.10
TC: From	31 plf at	22.10 to	31 plf at	32.17
TC: From	62 plf at	32.17 to	62 plf at	37.50
BC: From	4 plf at	-1.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	20.27
BC: From	10 plf at	20.27 to	10 plf at	32.02
BC: From	20 plf at	32.02 to	20 plf at	36.50
BC: From	4 plf at	36.50 to	4 plf at	37.50
	Conc. Load			
	Conc. Load		3.10,30.10	
	Conc. Load			
	Conc. Load			
	Conc. Load		3.10,30.10	
BC: 334 lb	Conc. Load	at 32.14		

5'2"12

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Additional Notes

The overall height of this truss excluding overhang is

Bearings B, M, & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

26'9"11

32'2'

Loc R+

2452 /-

1281 /-

Brg Width = 3.5

Brg Width = 3.5

В 732

М

▲ Maximum Reactions (lbs) Gravity

Chords Tens.Comp. Chords Tens. Comp. B - C F-G 329 - 1825 166 - 1059 C-D 157 - 1024 G-H 330 - 1826 D-E 413 - 2154 395 - 391 H - I E - F 1569 - 275

36'6

/Rh

/-

Wind reactions based on MWFRS Brg Width = 3.5

Non-Gravity

/138 /-

/454 /-

/249

Min Req = 1.5

Min Req = 2.9

Min Req = 1.5

/RL

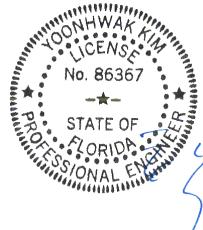
/Rw /U

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
B - O	878	- 125	L-K	1885	- 345
O - N	452	- 96	K-I	1858	- 348
M - L	108	- 847			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
0 - D	604 - 30	M - F	377 - 1640
D - N	164 - 580	F-L	2694 - 478
E - N	560 - 18	G-L	262 - 637
F - M	285 - 1814	K-H	443 0



FL REG# 278, Yoonhwak Kim, FL PE #86367 02/03/2022

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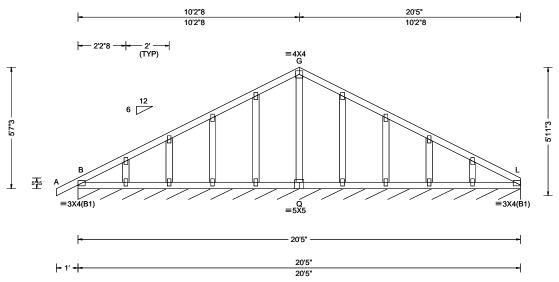
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 389597 / GABL Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T27 / FROM: CDM DrwNo: 034.22.1014.29157 Qty: 1 Reserve at Jewel Lake 40 - Carlisle A - GL Truss Label: B01 / DF 02/03/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 F 999 360
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 F 999 240
DCDL. 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 F
Dec 1 4 · 40 00	EXP: C Kzt: NA		HORZ(TL): 0.002 F
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	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.071
l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.036
l	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: 21.01.01A.0521.20
Lumber			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL L* 86 /-/-/45 Wind reactions based on MWFRS Brg Width = 245 Min Req = -Bearing B 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.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

The overall height of this truss excluding overhang is

Truss designed to support 8" maximum gable end overhang.



FL REG# 278, Yoonhwak Kim, FL PE #86367 02/03/2022

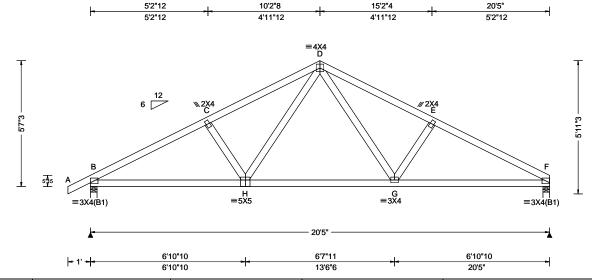
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SEQN: 389596 / COMN Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T25 / FROM: CDM Qty: 3 Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1014.28518 Truss Label: B02 / DF 02/03/2022



BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf Spacing: 24.0 " Exp: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf Spacing: 24.0 " Enclosure: Closed Risk Category: II EXP: C Kzt: NA Snow Duration: NA Spow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): FT/RT:20(0)/10(0) Plate Type(s):	ŀ	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	A
Wind Duration: 1.60 WAVE VIEW Ver: 21.01.01A.0521.20 5	- - - - - - - - - - - - - - - - - -	TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	VERT(LL): 0.048 H 999 360 VERT(CL): 0.098 H 999 240 HORZ(LL): 0.020 G HORZ(TL): 0.041 G Creep Factor: 2.0 Max TC CSI: 0.374 Max BC CSI: 0.477	

▲ Ma	axim	num Rea	ctions	(lbs)		
	(Gravity		N	on-Grav	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	910	/-	/-	/540	/161	/147
F	839	/-	/-	/484	/142	/-
Win	d rea	actions b	ased or	MWFRS		
В	Brg	Width =	3.5	Min Re	eq = 1.5	5
F	Brg	Width =	3.5	Min Re	eq = 1.5	5
Bea	rings	B&Fa	re a rig	id surface.	•	
	_		-	forces les	s than 3	375#
Max	imu	m Top C	hord F	orces Per	Ply (lb	s)
Cho	rds	Tens.Co	mp.	Chords	Tens.	Ćomp.
В-0	2	617 -	1366	D-E	625	- 1211
i - 5 l	-	620 -		F-F	622	- 1375

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

Maximum Bot Chord Forces Per Ply (lbs)

noras	rens.comp.	Choras	rens. C	omp.	
3 - H	1153 - 500	G-F	1163	- 476	
1 - G	800 - 263				

Maximum Web Forces Per Ply (lbs)

vebs	rens.Comp.	vvebs	Tens. Comp.	
1 - D	404 - 178	D-G	417 - 186	



FL REG# 278, Yoonhwak Kim, FL PE #86367 02/03/2022

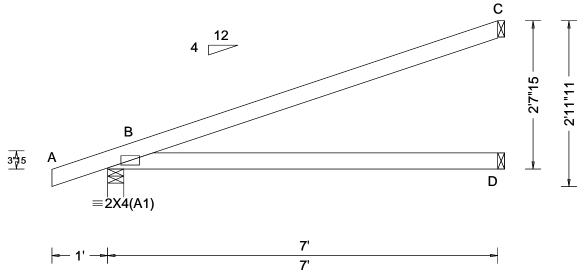
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 389595 / **EJAC** Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T24 / FROM: CDM DrwNo: 034.22.1014.28517 Qty: 19 Reserve at Jewel Lake 40 - Carlisle A - GL Truss Label: J01 / DF 02/03/2022



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.016 D HORZ(TL): 0.032 D Creep Factor: 2.0 Max TC CSI: 0.703 Max BC CSI: 0.503 Max Web CSI: 0.000
	BCDL: 5.0 psf		Max BC CSI: 0.503

٦	▲ Maximum Reactions (lbs)								
			ravity		Non-Gravity				
	,			/ Rh	/ Rw		•		
	В	361	/-	/-	/235	/57	/92		
	D	128	/-	/-	/73	/ -	/-		
	С	186	/-	/-	/104	/79	/-		
	Wir	nd read	ctions b	ased on I	MWFRS				
	В	Brg V	Vidth =	3.5	Min Req = 1.5				
	D	Brg V	Vidth =	1.5	Min Req = -				
	С	C Brg Width = 1.5				Min Req = -			
	Bearing B is a rigid surface.								
	Mei	mbers	not list	ed have fo	orces less	s than	375#		
_									

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



FL REG# 278, Yoonhwak Kim, FL PE #86367 02/03/2022

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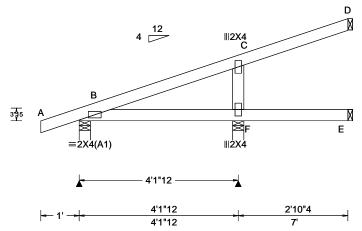
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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

6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 389594 / **EJAC** Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T23 / FROM: CDM DrwNo: 034.22.1014.28798 Qty: 2 Reserve at Jewel Lake 40 - Carlisle A - GL Truss Label: J02 / DF 02/03/2022







l		1	
Loading Criteria (psf) Wind Criteria Snow Crite	ria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00 Wind Std: ASCE 7-16 Pg: NA (TCDL: 10.00 Speed: 130 mph Pf: NA	Ct: NA CAT: NA Ce: NA co: NA ion: NA de: . 2020 Res. 014 es //10(0)	Defl/CSI Criteria PP Deflection in loc L/def VERT(LL): 0.005 F 999 VERT(CL): 0.010 F 999 HORZ(LL): 0.002 F - HORZ(TL): 0.004 F - Creep Factor: 2.0 Max TC CSI: 0.167 Max BC CSI: 0.132 Max Web CSI: 0.101 VIEW Ver: 21.01.01A.0521	9 360

	▲ Maximum Reactions (Ibs)									
ı		G	avity		No	on-Gra	vity			
ı	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
ı	В	232	/-	/-	/149	/26	/92			
ı	F	337	/-	/-	/219	/79	/-			
ı	Ε	34	/-	/-	/16	/-	/-			
ı	D	66	/-	/-	/29	/27	/-			
ı	Wir	nd read	ctions b	ased on I	MWFRS					
ı	В		Vidth =	3.5	Min Re	Min Req = 1.5				
ı	F	Brg V	Vidth =	3.5	Min Re	q = 1.9	5			
ı	Е	E Brg Width = 1.5				Min Req = -				
ı	D	Brg V	Vidth =	1.5	Min Re	q = -				
4	Bea	arings	B&Fa	re a rigid	surface.					
ı	Mei	mbers	not list	ed have f	orces less	s than	375#			

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



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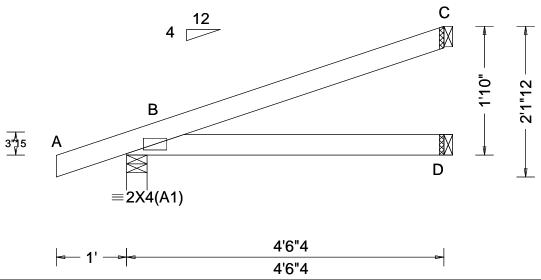
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SEQN: 389610 / JACK Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T21 / FROM: CDM DrwNo: 034.22.1014.28610 Qty: 3 Reserve at Jewel Lake 40 - Carlisle A - GL Truss Label: J03 / DF 02/03/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (II	bs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C 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: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 D HORZ(TL): 0.007 D Creep Factor: 2.0 Max TC CSI: 0.339 Max BC CSI: 0.189 Max Web CSI: 0.000	Gravity Loc R+ /R- /Rh B 264 /- /- D 80 /- /- C 114 /- /- Wind reactions based on N B Brg Width = 3.5 D Brg Width = 1.5 C Brg Width = 1.5 Bearing B is a rigid surface Members not listed have for	Min Req = 1.5 Min Req = - Min Req = - e.
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20		

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-10-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367 02/03/2022

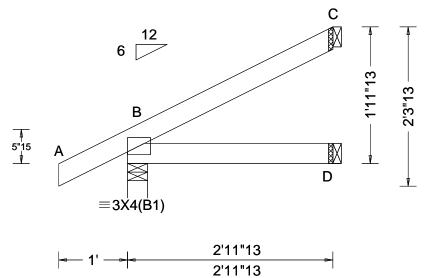
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SEQN: 389612 / JACK Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T19 / FROM: CDM DrwNo: 034.22.1014.28657 Qty: 3 Reserve at Jewel Lake 40 - Carlisle A - GL Truss Label: J04 / DF 02/03/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA		
	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): -0.001 C HORZ(TL): 0.001 D		
NCBCLL: 10.00 Soffit: 2.00	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: not in 4.50 ft GCpi: 0.18	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.163 Max BC CSI: 0.078 Max Web CSI: 0.000		
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20		

ty	N L		
	INC	on-Gra	vity
- / Rh	/ Rw	/ U	/ RL
/-	/146	/26	/66
/-	/28	/-	/-
/-	/45	/42	/-
s based on	MWFRS		
า = 3.5	Min Req = 1.5		
า = 1.5	Min Re	q = -	
	e.	•	
J		s than	375#
	/- /- /- as based on h = 3.5 h = 1.5 h = 1.5 a rigid surfac	/- /146 /- /28 /- /45 as based on MWFRS h = 3.5 Min Re h = 1.5 Min Re a rigid surface.	/- /146 /26 /- /28 /- /- /45 /42 as based on MWFRS h = 3.5 Min Req = 1.5 h = 1.5 Min Req = - h = 1.5 Min Req = -

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



FL REG# 278, Yoonhwak Kim, FL PE #86367 02/03/2022

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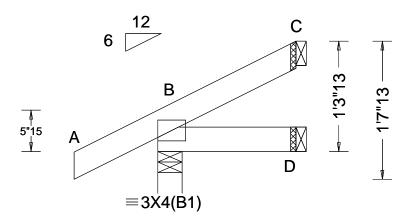
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 389608 / JACK Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T20 / FROM: CDM DrwNo: 034.22.1014.29360 Qty: 3 Reserve at Jewel Lake 40 - Carlisle A - GL Truss Label: J05 / DF 02/03/2022





Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C 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	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 C HORZ(TL): 0.000 C Creep Factor: 2.0 Max TC CSI: 0.102 Max BC CSI: 0.018 Max Web CSI: 0.000	Loc R+ B 168 D 27 C 24 Wind read B Brg V D Brg V C Brg V Bearing B Members
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber				

num Reactions (lbs) Gravity Non-Gravity /Rh /Rw /U /RL /-/121 /42 /-/-/14 /14 /20 actions based on MWFRS Width = 3.5Min Req = 1.5 Min Req = -Width = 1.5Width = 1.5Min Req = -B is a rigid surface. s not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-3-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367 02/03/2022

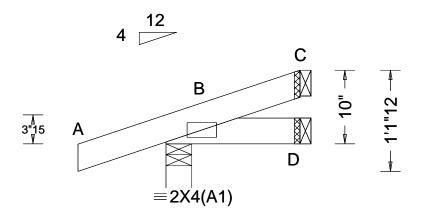
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SEQN: 389606 / JACK Ply: 1 Job Number: 22-6896 Cust: R 215 JRef: 1XcR2150016 T22 / FROM: CDM Qty: 3 Reserve at Jewel Lake 40 - Carlisle A - GL DrwNo: 034.22.1055.52812 Truss Label: J06 KD / YK





Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C 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	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 D HORZ(TL): 0.000 D Creep Factor: 2.0 Max TC CSI: 0.122 Max BC CSI: 0.014 Max Web CSI: 0.000	■ Maximu G Loc R+ B 164 D 20 C 16 Wind read B Brg V D Brg V C Brg V Bearing B Members
Wind Duration: 1.60		WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber				

num Reactions (lbs) Gravity Non-Gravity /Rh /Rw /U /RL /-/116 /27 /-/-/11 /-/10 /9 actions based on MWFRS Width = 3.5Min Req = 1.5 Min Req = -Width = 1.5Width = 1.5Min Req = -B is a rigid surface. s not listed have forces less than 375#

02/03/2022

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 0-10-0.



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Gable Stud Reinforcement Detail

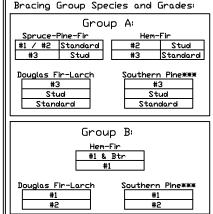
ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Or: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D. Kzt = 1.00

		2×4 Vertica	Brace	No	(1) 1×4 *L	Brace *	(1) 2×4 "L	" Brace *	(2) 2×4 L	" Brace **	(1) 2×6 'L	* Brace *	(2) 2×6 *L	Brace **
اعاا	Spacing	Species	Grade		Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
		CDE	#1 / #2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11 ″	10′ 3″	10′ 8 ″	13′ 6″	14' 0"	14' 0"	14′ 0″
	1.1	SPF	#3	4′ 1 ″	6′ 7 ″	7′ 1″	8` 6 "	8′ 10 ″	10′ 1″	10′ 6 ″	13′ 4″	13′ 10″	14′ 0″	14′ 0″
21	Ñ	HF	Stud	4′ 1 ″	6′ 7″	7′ 0 ″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6″	13′ 4″	13′ 10 ″	14′ 0″	14′ 0″
>	Ō	1 11	Standard	4′ 1″	5′ 8 ″	6′ 0 ″	7′ 7 ″	8′ 1 ″	10′ 1″	10′ 6″	11′ 10″	12′ 8″	14′ 0″	14′ 0″
0.			#1	4′ 6″	7′ 4″	7′ 8 ″	8′ 8 ″	9′ 0″	10′ 4″	10′ 9 ″	13′ 8″	14′ 0″	14′ 0″	14′ 0″
-	*	SP	#2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11 ″	10′ 3″	10′ 8″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
	4	l	#3	4′ 2″	6′ 0 ″	6′ 4 ″	7′ 11″	8′ 6″	10′ 2″	10′ 7″	12′ 5″	13′ 4″	14′ 0″	14′ 0″
g	Ω	IDFL	Stud	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″
II			Standard	4′ 0 ″	5′ 3″	5′ 7 ″	7′ 0″	7′ 6 ′	9′ 6″	10′ 2 ″	11′ 0″	11′ 10″	14′ 0″	14′ 0″
II <u>-</u>	″ O.C.	SPF HF	#1 / #2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10″	10′ 3″	11′ 8″	12′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
=			#3	4′ 8″	8′ 1″	8′ 8 ″	9′ 8 ″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
`_			Stud	4′ 8″	8′ 1″	8′ 6 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ΠāΙ			Standard	4′ 8 ″	6′ 11 ″	7′ 5 ′	9′ 3″	9′ 11″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
\parallel $\stackrel{\sim}{\smile}$ \parallel			#1	5′ 1 ″	8′ 5 ″	8′ 9 ″	9′ 11″	10′ 4″	11′ 10″	12′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
/		SP	#2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10″	10′ 3″	11′ 8″	12′ 2″	14′ 0″	14′ 0″	14' 0"	14′ 0″
	Ò	l	#3	4′ 9″	7′ 4″	7′ 9 ′	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14' 0"	14' 0"	14′ 0″
0	Ţ	DFL	Stud	4′ 9 ″	7′ 4″	7′ 9 ″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ロスト			Standard	4′ 8″	6′ 5 ″	6′ 10 ″	8′ 7 ″	9′ 2″	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
abl		SPF	#1 / #2	5′ 5″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	11′ 8″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
<u> 0</u>		76	#3	5′ 1″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0	Ū	HF	Stud	5′ 1 ″	9′ 0″	9′ 4″	10′ 8 ″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ō	1 11	Standard	5′ 1″	8′ 0″	8′ 6 ″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
×	•		#1	5′ 8 ″	9′ 3″	9′ 8″	10′ 11″	11′ 4″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	*	SP	#2	5′ 5″	9′ 2″	9′ 6″	10′ 10′	11′ 3″	12′ 11″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
Ma	ù		#3	5′ 3″	8′ 5 ″	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ţ	DFL	Stud	5′ 3 ″	8′ 5 ″	9′ 0″	10′ 9″	11′ 2″	12′ 10 ″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	5′ 1 ″	7′ 5 ″	7′ 11″	9′ 11″	10′ 7″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″



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.

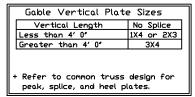
Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

Provide uplift connections for 55 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.



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

> DATE 01/26/2018 DRWG A14015ENC160118

ASCE7-16-GAB14015

Symm C Gable Truss Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 450# at each end. Max web "L" Brace End total length is 14'. Zones, typ. 2x4 DF-L #2 or better diagonal brace; single Vertical length shown or double cut in table above. (as shown) at upper end. Constituous Bearing Connect diagonal at Refer to chart above son midpoint of vertical web.

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 macing. 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 inless noted otherwise, top chord shall have properly attached structural sheathing and botton 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. Applicable 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.sbcacomponents.components.com; ICC: www.sbcacomponents.com; ICC: www.sbcacomponents.components.com; ICC: www.sbcacomponents.components.components.components.com; ICC: www.sbcacomponents.compo

MAX, TOT, LD, 60 PSF MAX. SPACING 24.0"

ak Kim EL DE #86367

514 Earth City Expressway Suite 242 Earth City, MO 63045

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.

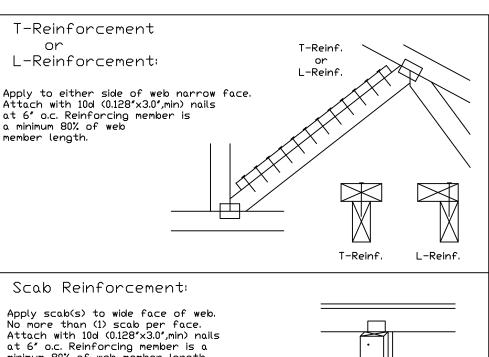
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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.

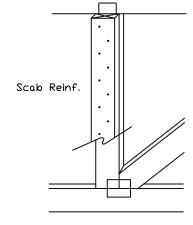
Web Member	Specified CLR	Alternative Reir	
Size	Restraint	T- or L- Reinf.	
2x3 or 2x4	1 row	2×4	1-2×4
2x3 or 2x4	2 rows	2×6	2-2×4
2×6	1 row	2×4	1-2×6
2×6	2 rows	2×6	2-2×4(*)
2×8	1 row	2×6	1-2×8
	2 rows	2×6	2-2×6(*/)

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.



minimum 80% of web member length.



278 Yoonhwak Kim, FL PE #86367

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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 (25,72).

ALPINE: www.alpineitw.com; TPI: www.tpinstorg; SBCA: www.sbcacomponents.com; ICC: www.tccsareout

IREF CLR Subst. TØ DL DATE 01/02/19 DRWG BRCLBSUB0119 BC DL PSF RC II **7**□T. LD. PSF DUR. FAC. SPACING



514 Earth City Expressway Suite 242 Earth City, MO 63045

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 Example: Length typ.

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) toenails 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

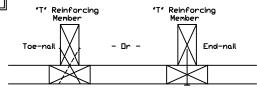
ASCE 7-10 & ASCE 7-16 Gable Detail Drawings A11515ENC100118, A12015ENC100118, A14015ENC100118, A14015ENC100118,

A18015ENC100118, A12015ENC100118, A12015ENC100118, A12015ENC100118, A120015ENC100118, A120015ENC100118, A120015ENC100118, A120015ENC100118, A12003ENC100118, A12003ENC100118, A120030ENC100118, A120030ENC100118,

\$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015PED100118 \$11530ENC100118, \$12030ENC100118, \$14030ENC100118, \$16030ENC100118) \$18030ENC100118, \$20030ENC100118, \$20030END100118, \$20030PED100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical

"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 $1.30 \times 8' \ 7'' = 11' \ 2''$

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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 12/2022 ALPINE: www.alpineitw.com, TPI: www.tpinstorg, SBCA: www.sbcacomponents.com, ICC: www.ectar.com/978

IREF LET-IN VERT DATE 01/02/2018 DRWG GBLLETIN0118

24.0"

MAX. TOT. LD. 60 PSF DUR. FAC. ANY

MAX. SPACING

514 Earth City Expressway Suite 242 Earth City, MO 63045

Rigid Sheathing

Ceiling

4 Nails

Nails

Spaced At

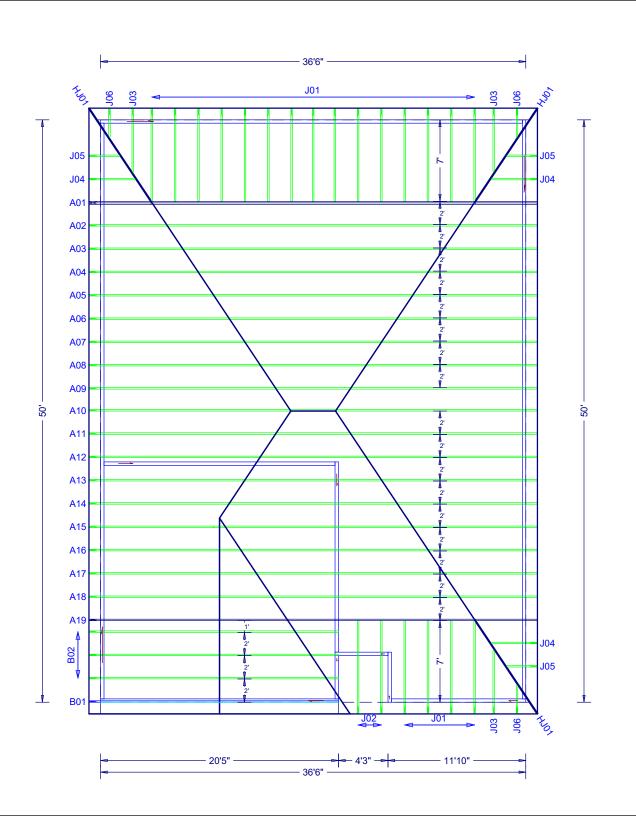
4 Nails

Reinforcing Member

Gable

Truss

onbwak Kim EL PE #86367



W.B. Howland Truss Co. 610 11th St. SW Live Oak, FL 32064 (386) 362-1235 (386) 362-7124 (Fax) howlandtruss@gmail.com

ROOF PITCH: 4/12, 6/12 -- FASCIA ALIGNED

OVERHANG: 12" PLUMB CUT

CEILING: FLAT

EXT. WALLS: FRAME

LOADING: 40 PSF TL WIND LOAD: 130 CATEGORY: II **EXPOSURE: C**

DEFLECTION: 360/240

DATE: 8/13/21

Job Name: Reserve at Jewel Lake 40 Customer: Century Complete Designer: Chris McCall ADDRESS: 376 SW Jewel Lake Dr SALESMAN: Fill in later : <Not Found>

JOB #: 22-6896

PAGE NO:

JOB NO: 22-6896

1 OF 1