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Alpine, an ITW Company 6750 Forum Drive, Suite 305 Orlando, FL 32821 Phone: (800)755-6001 www.alpineitw.com



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Site Information:	Page 1:	
Customer: W. B. Howland Company, Inc.	Job Number: 21-6253	
Job Description: Reserve at Jewel Lake 23 - Carlisle B1 - GR		
Address: FL	<u> </u>	

Job Engineering Criteria:			
Design Code: FBC 7th Ed. 2020 Res.	IntelliVIEW Version: 21.01.01A		
	JRef #: 1X9f2150036		
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00		
Building Type: Closed			

This package contains general notes pages, 23 truss drawing(s) and 3 detail(s).

Item	Drawing Number	Truss
1	279.21.1238.34569	A01
3	279.21.1238.33584	A03
5	279.21.1238.33475	A05
7	279.21.1238.33819	A07
9	279.21.1238.36334	A09
11	279.21.1238.37069	A11
13	279.21.1238.36053	A13
15	279.21.1238.37194	A15
17	279.21.1238.37162	B01
19	279.21.1238.33257	J01
21	279.21.1238.33428	J04
23	279.21.1238.34679	J06
25	BRCLBSUB0119	

Item	Drawing Number	Truss
2	279.21.1238.34709	A02
4	279.21.1238.34897	A04
6	279.21.1238.35006	A06
8	279.21.1238.35334	A08
10	279.21.1238.36241	A10
12	279.21.1238.36678	A12
14	279.21.1238.36225	A14
16	279.21.1238.35975	A16
18	279.21.1238.36428	B02
20	279.21.1238.33319	J03
22	279.21.1238.36116	J05
24	A14015ENC160118	
26	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.

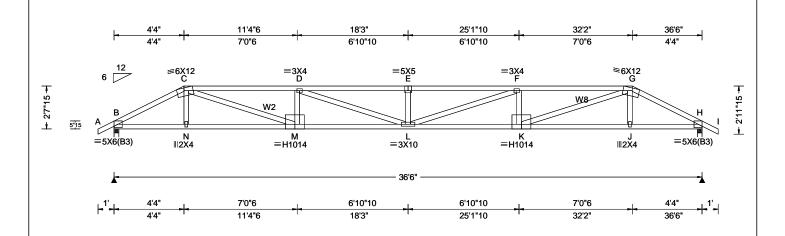
Uppercase Acronyms not explained above are as defined in TPI 1.

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.sbcindustry.com.

SEQN: 389614 / HIPS Ply: 2 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T26 / FROM: CDM Qty: 1 DrwNo: 279.21.1238.34569 Reserve at Jewel Lake 23 - Carlisle B1 - GR Truss Label: A01 / WHK 10/06/2021

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 Mean Height: 15.00 ft		HORZ(TL): 0.204 C
NCBCLL: 0.00	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
Lumber		Wind	

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 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

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 Reactions (lbs)

Maximu	m Bot Chord	Forces Per	Ply (lbs)	
Chords	Tens Comp	Chords	Tens Co	

Onlords	r cris.comp.	Onlords	rens. comp.
B - N N - M	2991 - 580 3002 - 577	L-K K-J	6215 - 1221 3002 - 577
M - L	6215 - 1221	J - H	2991 - 580

Maximum Web Forces Per Plv (lbs)

Webs	Tens.C	omp.	Webs	Tens. (Comp.
 С - М	3293	- 648	L-F	995	- 181
M - D	255	- 799	F-K	255	- 799
D - L	995	- 181	K-G	3293	- 648
F-I	169	- 400			



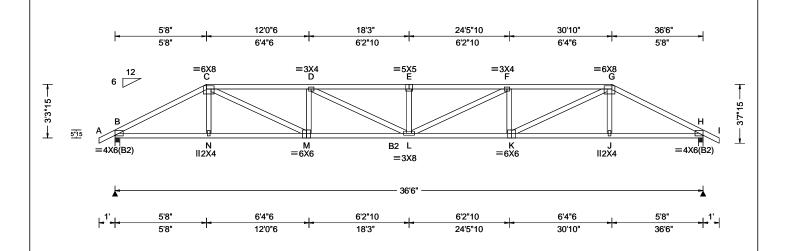
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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: 21-6253 Cust: R 215 JRef: 1X9f2150036 T2 / FROM: CDM DrwNo: 279.21.1238.34709 Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR Truss Label: A02 / DF 10/06/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	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/2 to h C&C Dist a: 3.65 ft	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): 0.407 E 999 360 VERT(CL): 0.830 E 524 240 HORZ(LL): 0.080 C HORZ(TL): 0.164 C Creep Factor: 2.0 Max TC CSI: 0.959 Max BC CSI: 0.972 Max Web CSI: 0.821
	Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	FT/RT:20(0)/10(0) Plate Type(s):	VIEW Ver: 21.01.01A.0521.20
Lumber	Willia Baration. 1.00	WAVE	VIEW VOI. 21.01.017.0021.20

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1570 /-/878 /290 /101 1570 /-/-/878 /290 /-Wind reactions based on MWFRS Brg Width = 3.5Min Req = 1.5 В 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 1227 - 2700 2180 - 4501 C-D 1928 - 3960 F-G 1928 - 3960 D-E 2180 - 4501 G-H 1228 - 2700

▲ Maximum Reactions (lbs)

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. Com	ıp.
B - N N - M M - L	2331 - 1013 2333 - 1009 4022 - 1833	L - K K - J J - H	4022 - 18 2333 - 9 2331 - 10	98

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C - M L-F 1809 - 919 535 - 255 M - D 458 - 656 F-K 458 - 656

K - G

1809

- 919

535 - 255



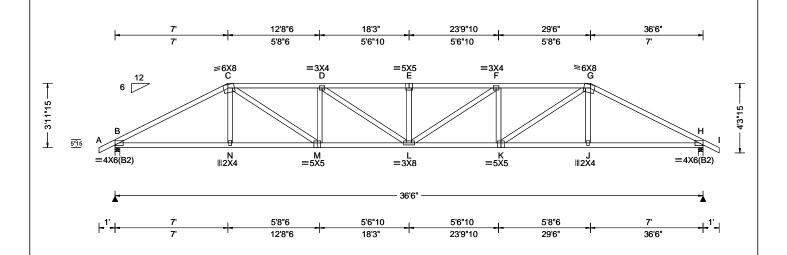
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SEQN: 389578 / HIPS Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 FROM: CDM DrwNo: 279.21.1238.33584 Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR Truss Label: A03



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ţ.
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Citeria 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/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	Pig: 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): 0.300 E 999 360 VERT(CL): 0.611 E 712 240 HORZ(LL): 0.083 J HORZ(TL): 0.170 J Creep Factor: 2.0 Max TC CSI: 0.747 Max BC CSI: 0.908 Max Web CSI: 0.540 VIEW Ver: 21.01.01A.0521.20	
Lumban				

Non-Gravity
v /U /RL
/288 /118
/288 /-
3
Req = 1.9
Req = 1.9
e
ss than 375#
er Ply (lbs)
Tens. Comp.
1765 - 3684
1602 - 3323
1166 - 2658

/ DF

T3 /

10/06/2021

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

Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.Co	mp.	Chords	Tens.	Comp.	
B - N N - M M - L	2278 - 2281 - 3368 - 1	941	L - K K - J J - H	3368 2281 2278	- 1459 - 929 - 933	

Maximum Web Forces Per Ply (lbs)

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



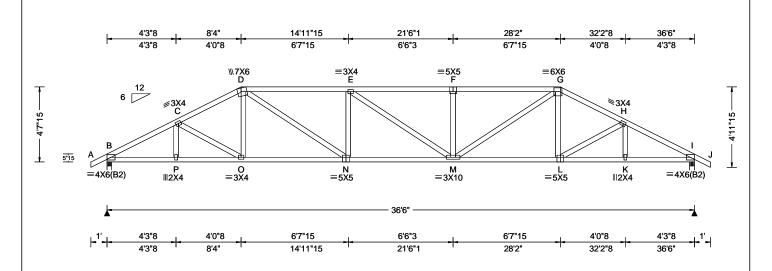
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SEQN: 389579 / HIPS Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T4 / FROM: CDM DrwNo: 279.21.1238.34897 Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR Truss Label: A04 / DF 10/06/2021



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): 0.234 F 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.477 F 911 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.078 K
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.158 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: 0.899
Load Duration: 1.25	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

	▲ Maxi	mum Re	actions ((lbs)		
		Gravity		N	on-Grav	/ity
)	Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL
)	B 157	70 /-	/-	/902	/287	/136
	I 157	70 /-	/-	/902	/287	/-
	Wind re	eactions I	based on	MWFRS		
	B Br	g Width =	3.5	Min Re	q = 1.9)
	I Br	g Width =	3.5	Min Re	q = 1.9)
	Bearing	jsB&la	re a rigid	surface.	-	
	Membe	rs not lis	ted have	forces les	s than 3	375#
	Maxim	um Top	Chord F	orces Per	Ply (lb	s)
	Chords	Tens.C	omp.	Chords	Tens.	Ćomp.
	B-C	1071	- 2652	F-G	1446	- 3048
	C-D	1120	- 2516	G-H	1120	- 2515
	D-E	1435	- 3029	H-I	1072	- 2652
	E-F	1446	- 3048		-	-

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



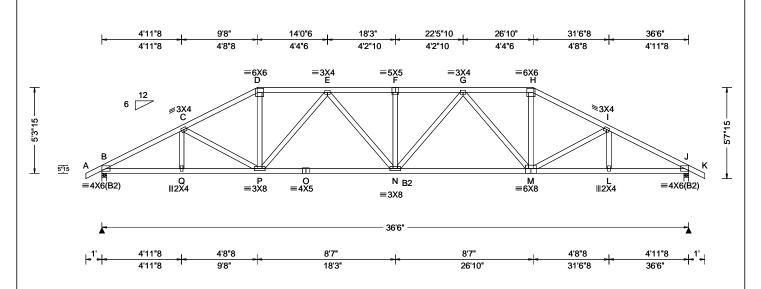
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 389617 / HIPS Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T5 / FROM: CDM Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR DrwNo: 279.21.1238.33475 Truss Label: A05 / DF 10/06/2021



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): 0.193 F 999 360
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 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	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	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.137 L Creep Factor: 2.0 Max TC CSI: 0.636 Max BC CSI: 0.895 Max Web CSI: 0.517
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumban			

Lumber

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 5-3-15.

Gravity Non-Gravity Loc R+ /R /Rh /Rw /U В 1570 /-/912 1570 /-/912 /98 Wind reactions based on MWFRS Brg Width = 3.5Min Req = 1.5 В Brg Width = 3.5 Min Req = 1.5Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

> 2536 - 990

O - N

▲ Maximum Reactions (lbs)

B - C	1023 - 2672	F - G	1239	-2/15
C - D	1034 - 2426	G-H	983	- 2137
D-E	982 - 2139	H - I	1034	- 2425
E-F	1239 - 2715	I - J	1023	- 2672

/RL

/154

/-

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - Q 2307 2535 - 979 - 845 N - M Q - P 2308 - 847 2309 M - L - 836 P - O 2536 - 990 L-J 2308 - 834

Maxim	um Web Forces	Per Ply (lbs)	
Webs	Tens.Comp.	Webs	Tens. Comp.	
D-P	759 - 268	G - M	385 - 621	

M - H

758

- 268

- 620



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

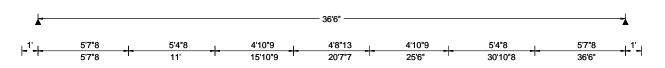
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FROM: CDM Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR DrwNo: 279.21.1238.35006 Truss Label: A06 / DF 10/06/2021 5'7"8 11' 15'10"9 20'7"7 25'6' 30'10"8 36'6" 5'7"8 5'4"8 4'10"9 4'8"13 4'10"9 5'4"8 5'7"8 =6X6 D ≡3X4 E ∥2<u>X</u>4 ≡6X6 G ≷3X4 ∕ H 5'11"15 6'3"15

N ≡3X4



M ≡3X8

≡5X5

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
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):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber			

____O ≡5X5

Job Number: 21-6253

Brg Width = 3.5Min Req = 1.9 В 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

Loc R+

1570 /-

1570

В

K ∥2X4

▲ Maximum Reactions (lbs) Gravity

/Rh

/-

Wind reactions based on MWFRS

/R

Tens. Comp. B - C 1066 - 2348 C-D 964 - 2332 G-H 964 - 2332 D-E 1059 - 2337 962 - 2687 H - I 1065 - 2347

Cust: R 215 JRef: 1X9f2150036

=4X6(B2)

Non-Gravity

/90

/RL

/172

/-

/Rw /U

/920

/920

T6 /

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

Top chord: 2x4 SP #2;

SEQN: 389581 /

HIPS

=4X6(B2)

Ply: 1

P ∥2X4

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 5-11-15.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		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	rens.comp.	webs	rens. Comp.	
D-N	491 - 271	M - G	499	- 278



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FROM: CDM DrwNo: 279.21.1238.33819 Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR Truss Label: A07 / DF 10/06/2021 6'3"8 12'4" 18'3" 24'2" 30'2"8 36'6" 5'11' 6'3"8 6'0"8 5'11' 6'0"8 6'3"8 =6X6 D ∥2<u>X</u>4 =6X6 [≷]3X4 ⊂ G //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	ı
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 Mean Height: 15.00 ft		HORZ(TL): 0.125 J	
NCBCLL: 10.00	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):		4
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber				_

Job Number: 21-6253

▲ Maximum Reactions (lbs)						
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
В 1	570	/-	/-	/927	/82	/189
H 1	570	/-	/-	/927	/82	/-
Wind	l reac	tions ba	sed on	MWFRS		
В	Brg V	Vidth = 3	3.5	Min Req = 1.5		
H E	Brg V	Vidth = 3	3.5	Min Re	q = 1.5	5
Beari	ings l	B & H a	e a rigi	id surface.	-	
Mem	bers	not liste	d have	forces less	s than	375#
Maxi	mum	Top C	hord F	orces Per	Ply (lb	s)
Chor	ds T	ens.Co	mp.	Chords	Tens.	Ćomp.
В−С	;	894 - 2	2680	E-F	947	- 2153
」C - D)	883 - 2	242	F-G	883	- 2242
D-E		947 - 2	2153	G-H	895	- 2680

Cust: R 215 JRef: 1X9f2150036

T7 /

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

SEQN: 389582 /

HIPS

Ply: 1

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.C	comp.	Chords	Tens.	Comp.	
B - N N - M M - L		- 719 - 721 - 592	L - K K - J J - H	1932 2307 2308	- 581 - 710 - 708	

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



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SEQN: 389619 / HIPS Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T12 / FROM: CDM Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR DrwNo: 279.21.1238.35334 Truss Label: A08 / DF 10/06/2021 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 (a) 7311 77 5"15 B2 M ∥2X4 =4X6(B2) 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"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.148 E 999 360
BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.302 E 999 240 HORZ(LL): 0.059 J HORZ(TL): 0.121 J
NCBCLL: 10.00 Soffit: 2.00	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf	Building Code: FBC 7th Ed. 2020 Res.	Creep Factor: 2.0 Max TC CSI: 0.702
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h C&C Dist a: 3.65 ft	TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	Max BC CSI: 0.796 Max Web CSI: 0.600
	Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Plate Type(s):	VIEW Ver: 21.01.01A.0521.20

▲ Maxim	▲ Maximum Reactions (lbs)						
	Gravity		No	on-Gra	vity		
Loc R+ /R- /Rh			/ Rw	/ U	/ RL		
B 1566	3 /-	/-	/932	/71	/207		
H 1566	3 /-	/-	/932	/71	/-		
Wind rea	actions b	ased on	MWFRS				
B Brg	Width =	3.5	Min Re	q = 1.5	5		
H Brg	Width =	3.5	Min Req = 1.5				
Bearings	в В & Н а	are a rigi	d surface.				
Member	s not list	ed have	forces less	s than :	375#		
Maximu	m Top (Chord Fo	orces Per	Ply (lb	s)		
Chords	Tens.Co	omp.	Chords	Tens.	Comp.		
в-с	828 -	2661	F-F	775	- 1838		
C-Ď		2138			- 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 Bot Chord Forces Per Ply (lbs)						
Chords	Tens.C	comp.	Chords	Tens. 0	Comp.	
B - M M - L L - K		- 653 - 655 - 543	K - J J - H	2285 2287	- 644 - 642	

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp.

C - L 557 190 - 522 K - F - 135 D-L K-G 557 - 135 190 - 522

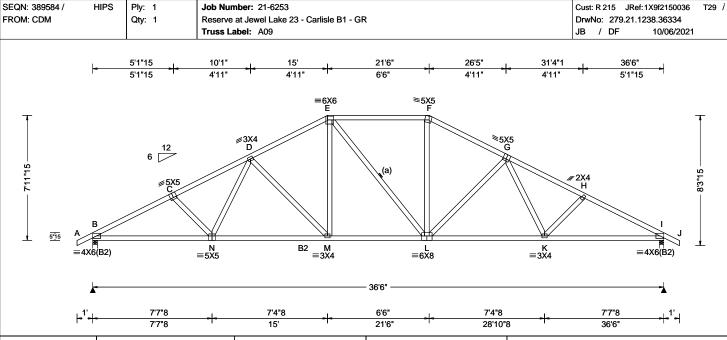


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	A
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: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

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.

	▲ IVIAX	umu	ım Kea	ictions	(IDS)				
		G	ravity		Non-Gravity				
0	Loc F	₹+	/ R-	/ Rh	/ Rw	/ U	/ RL	_	
О	B 16	333	/-	/-	/935	/41	/225		
	1 16	524	/-	/-	/935	/41	/-		
	Wind	reac	tions b	ased or	n MWFRS				
	в в	rg V	Vidth =	3.5	Min Re	eq = 1.5	5		
	I B	rg۷	Vidth =	3.5	Min Re	eq = 1.5	5		
	Bearin	ngs l	B&Ia	e a rigi	d surface.	-			
	Memb	ers	not list	ed have	forces les	s than :	375#		
	Maxin	num	Top (Chord F	orces Per	Ply (lb	s)		
	Chord	s T	ens.Co	omp.	Chords	Tens.	Comp.	_	
_	B - C		770 -	2832	F-G	720	- 2113		
	C-D				G-H	755			
	D-E		-	2145	H-I	769			

Maximum Bot Chord Forces Per Ply (IDS))
	Chords	Tens.C	Comp.	Chords	Tens. 0	Comp.
	B-N	2447	- 617	L-K	2170	- 510
	N - M	2192	- 522	K-I	2430	- 605
	M I	1050	205			

702 - 1840

E-F

Maximum Web Forces Per Ply (lbs) Tens.Comp. Webs Webs Tens. Comp. D - M 184 - 482 551 -77 E - M 590 - 69 L-G 182 - 484



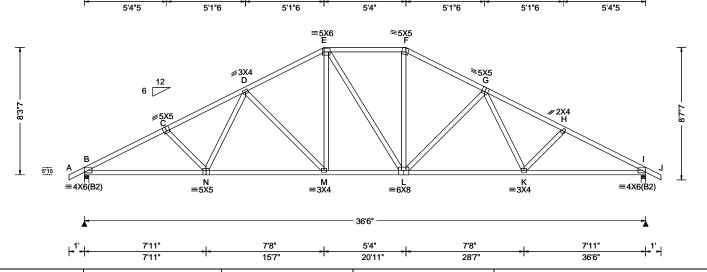
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SEQN: 389693 / HIPS Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T28 / FROM: CDM Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR DrwNo: 279.21.1238.36241 Truss Label: A10 / YK 10/06/2021 5'4"5 10'5"10 15'7" 20'11' 26'0"6 31'1"11 36'6"



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): 0.164 M 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.334 M 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.075 K
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.153 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: 0.729
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.967
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.586
	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
Lumban			

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 8-3-7.

	▲ Ma	ximu	ım Rea	ctions	(lbs)				
		G	ravity		N	on-Grav	vity		
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
0	В 1	570	/-	/-	/936	/39	/233		
	I 1	570	/-	/-	/936	/39	/-		
	Wind	reac	tions b	ased or	MWFRS				
	B Brg Width = 3.5				Min Req = 1.9				
				3.5		eq = 1.9)		
	Beari	ings E	3 & I ar	e a rigio	d surface.				
	Mem	bers	not liste	ed have	forces les	s than 3	375#		
	Maxi	mum	Top C	hord F	orces Per	Ply (lb	s)		
	Chor	ds T	ens.Co	mp.	Chords	Tens.	Comp.		
	B-C		736 -	2699	F-G	681	- 1943		
	C-D			2495		722	- 2497		
	D-E		683 -	1952	H-I	736	- 2701		

664 - 1680

E-F

Cnoras	rens.comp.		Choras	rens. Comp		
B - N N - M	2326 2047	- 584 - 487	L-K K-I	2046 2328		
M - L	1677	- 347				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Co	mp.	Webs	Tens. (Comp.
N - D	380	- 14	L-F	520	- 98
D - M	202 -	534	L-G	201	- 534
E - M	522	- 87	G-K	385	- 14



10/06/2021

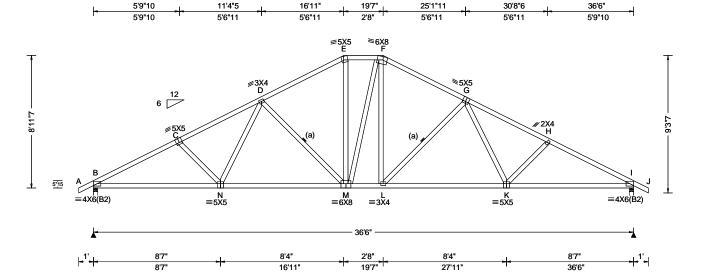
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SEQN: 389700 / HIPS Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T17 / FROM: CDM Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR DrwNo: 279.21.1238.37069 Truss Label: A11 / YK 10/06/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	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): 0.164 L 999 360 VERT(CL): 0.335 L 999 240 HORZ(LL): 0.075 K HORZ(TL): 0.152 K Creep Factor: 2.0 Max TC CSI: 0.727	L BI WBI B
Load Duration: 1.25 Spacing: 24.0 "	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: 0.966 Max Web CSI: 0.230 VIEW Ver: 21.01.01A.0521.20	M C B C

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1570 /-/937 /250 /937 /-1570 /33 Wind reactions based on MWFRS Brg Width = 3.5Min Req = 1.9 Brg Width = 3.5 Min Reg = 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 664 - 2691 600 - 1844 647 - 2464 G-H 648 - 2464 D-E 599 - 1836 H - I 665 - 2692 583 - 1573

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 8-11-7.

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	comp.	Chords	Tens. (Comp.		
B - N	2318		L-K	1989	- 389		
N - M	1990	- 401	K-I	2319	- 505		
M - L	1571	- 230					

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	omp.	Webs	Tens. Comp	
N - D	436	- 21	F-L	542	- 116
D - M	231	- 605	L-G	229	-602
E - M	541	- 140	G-K	434	- 24



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SEQN: 389703 / COMN Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T31 / FROM: CDM Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR DrwNo: 279.21.1238.36678 Truss Label: A12 / YK 10/06/2021 12'3' 36'6" 6'2"15 6'2"15 =5¥2 5*15 M ≡5X5 K ≡5X5 =3X4 ≡3X4 =4X6(B2) =4X6(B2)

36'6"

7'2"7

21'10"3

7'2"7

29'0"10

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	1
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): 0.165 L 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.336 L 999 240	E
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.070 J	H
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.143 J	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: 0.727	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.957	E
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.499	N
' •	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	E
Lumber		•	-	- ر

7'2"7

7'5"6

	▲ Ma	aximu	ım Rea	ctions	(lbs)		
		G	ravity		N	on-Gra	vity
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	В	1570	/-	/-	/937	/30	/268
	Н	1570	/-	/-	/937	/30	/-
	Win	d read	tions ba	ased on	MWFRS		
	В	Brg V	Vidth = 3	3.5	Min Re	q = 1.9	9
	Н	Brg V	Vidth = 3	3.5	Min Re	q = 1.9	9
	Bea	rings I	В&На	re a rigi	d surface.	•	
	Men	nbers	not liste	d have	forces les	s than	375#
	Max	imun	Top C	hord F	orces Per	Plv (lb	s)
					Chords		•
_	В-0		588 - 2	2688	E-F	594	- 2016
	1 C - [)	635 - 2	2548	F-G	634	- 2548
	D - F	=	504 - 1	2016	G - H	587	- 2688

7'5"6

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)

Choras	rens.c	omp.	Cnoras	rens. (∍omp.	
B - M	2313	- 435	K-J	1931	- 299	
M - L	1931	- 310	J - H	2314	- 424	
I - K	1463	- 149				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp	. Webs	Tens.	Comp.
M - D	462 - 112	2 E-K	727	- 184
D-L	258 - 562	2 K-F	258	- 563
L-E	729 - 183	3 F-J	463	- 111



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

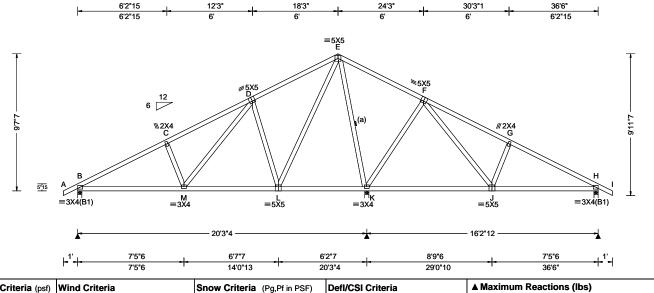
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A 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: 389706 / COMN Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T18 / FROM: CDM Qty: 8 Reserve at Jewel Lake 23 - Carlisle B1 - GR DrwNo: 279.21.1238.36053 Truss Label: A13 / YK 10/06/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximu
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: 3.65 ft Loc. from endwall: not in 4.50 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): 0.039 M 999 360 VERT(CL): 0.077 M 999 240 HORZ(LL): 0.013 C HORZ(TL): 0.025 C Creep Factor: 2.0 Max TC CSI: 0.586 Max BC CSI: 0.563 Max Web CSI: 0.754 VIEW Ver: 21.01.01A.0521.20	Gi Loc R+ B 784 K 2284 H 548 Wind reac B Brg W K Brg W H Bearings E Members i Maximum Chords T
Lumber				B - C

lВ	784	/-	/-	/4//	/131	/268	
K	2284	/-	/-	/1035	/324	/-	
Н	548	/-	/-	/393	/95	/-	
	Wind reactions based on MWFRS						
В	Brg V	Vidth	= 3.5	Min Red	q = 1.5		
K	Brg V	Vidth	= 3.5	Min Red	q = 2.3		
Н	Brg V	Vidth	= 3.5	Min Red	1.5		
Bearings B, K, & H are a rigid surface.							
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
C	nords 1	Γens.0	Comp.	Chords	Tens.	Ćomp.	

/Rh

Non-Gravity

/RL

/Rw /U

Gravity

/R

B - C 221 - 1080 183 - 481 F-G C-D 269 - 943 G-H 135 -616 E-F 686

Top chord: 2x4 SP #2;

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

(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.

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)

Chords	Tens.Comp.		Chords	Tens. C	omp.
B - M M - L		- 225 - 160	J - H	480	- 57

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
M - D	608 - 129	E-K	268 - 1406
D-L	293 - 658	K-F	287 - 693
L-E	943 - 245	F-J	699 - 121



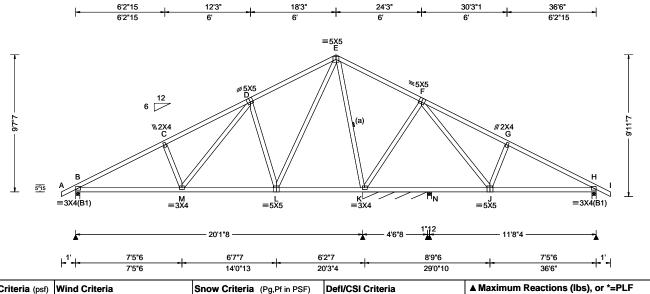
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SEQN: 389709 / SPEC Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T11 / FROM: CDM Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR DrwNo: 279.21.1238.36225 Truss Label: A14 / YK 10/06/2021



Loading Criteria (psf) W	Vind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 W	Vind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
1.022.	peed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.032 M 999 360	1
DCLL. 0.00		Lu: NA Cs: NA	VERT(CL): 0.071 M 999 240	П
1BCDL. 10.00 1	tisk Category: II	Snow Duration: NA	HORZ(LL): 0.011 C	H
Dec 1 d: 40 00 -	XP: C Kzt: NA		HORZ(TL): 0.023 C	
NODOLL, 40 00	lean Height: 15.00 ft CDL: 5.0 psf	Building Code:	Creep Factor: 2.0	1
0.40	CDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.585	T.
1	IWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.485	Н
I	&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.692	H
Lo	oc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Ιi
	GCpi: 0.18	Plate Type(s):		4
W	Vind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	

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

Bracing

(a) Continuous lateral restraint equally spaced on

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

Criteria (Pg,Pf in PSF)	Defl/CSI Criteria				▲ Maximum Reactions (lbs), or *:			
Ct: NA CAT: NA	PP Deflection in loc L	/defl L/#			(3ravity		No
Ce: NA	VERT(LL): 0.032 M	999 36	0	Loc	R+	/ R-	/ Rh	/ Rw
Cs: NA	VERT(CL): 0.071 M	999 24	0	В	773	/-	/-	/488
uration: NA	HORZ(LL): 0.011 C			K*	408	/-	/-	/213
	HORZ(TL): 0.023 C			Ν	128	/-	/-	/68
Code:	Creep Factor: 2.0			Н	551	/-	/-	/390
Ed. 2020 Res.	Max TC CSI: 0.585			Win	d rea	ctions b	ased on I	MWFRS
2014	Max BC CSI: 0.485			В	Brg \	Nidth =	3.5	Min Re
				K	Brg \	Nidth =	54.5	Min Re
c: Yes	Max Web CSI: 0.692			N	Bra \	Nidth =	3.5	Min Re
20(0)/10(0)				Н	•	Nidth =		Min Re
/pe(s):				Bea	rings	B, K, N	, & H are	a rigid su
	VIEW Vor. 21.01.014.0	1521 20		14				

N Brg	Width $= 3.5$	Min Re	eq = 1.5	;			
H Brg	Width $= 3.5$	Min Re	eq = 1.5	;			
	s B, K, N, & H						
Member	s not listed ha	ve forces les	s than 3	375#			
Maximum Top Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.	Chords	Tens.	Comp.			
B-C	209 - 1051	F - G	193	- 460			
C-D	256 - 915	G - H	144	- 594			

Non-Gravity

/125

/RL

/268

/Rw /U

/213 /80

Min Req = 1.5

Min Req = -

/68 /390 /96

578

F-F

Maximum Bot Chord Forces Per Ply (lbs)

Onlorus	rens.comp.	Onlords	TOTIO. C	Comp.	
B - M M - L	866 - 213 410 - 147	J - H	463	- 64	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens.	Comp.
M - D	567	- 132	E-K	275	- 1229
D-L	294	- 639	K-F	298	- 635
L-E	808	- 239	F-J	590	- 145



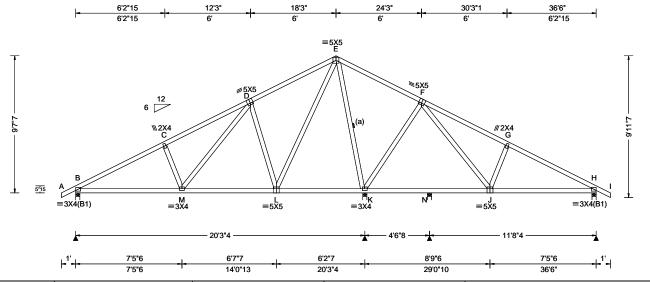
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SEQN: 389712 / SPEC Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T1 / FROM: CDM Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR DrwNo: 279.21.1238.37194 Truss Label: A15 / YK 10/06/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.032 M 999 360 VERT(CL): 0.071 M 999 240 HORZ(LL): 0.011 C HORZ(TL): 0.023 C	
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.65 ft Loc. from endwall: Any 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: 0.585 Max BC CSI: 0.485 Max Web CSI: 0.863	H W B K N H B
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	М

▲ Maximum Reactions (lbs) Gravity Non-Gravity R+ /Rh /Rw / U /488 /125 /268 1853 /-/967 /362 128 /68 /-/96 558 /390 Wind reactions based on MWFRS Brg Width = 3.5 Min Req = 1.5 Brg Width = 3.5 Min Req = 1.8 Brg Width = 3.5 Min Req = 1.5Brg Width = 3.5Min Req = 1.5Bearings B, K, N, & 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	392 - 1049	F-G	279 - 470
C - D	450 - 912	G-H	222 - 605
F-F	578 - 14		

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

B - M	864 - 237 407 - 147	K-J	376		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens.	Comp.
M - D	567	- 246	E-K	510	- 1229
D-L	474	- 639	K-F	478	- 635
L-E	808	- 427	F-J	590	- 264

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

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



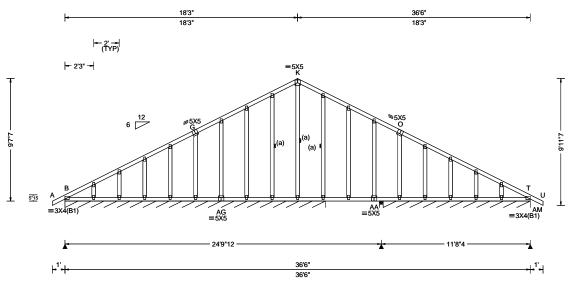
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SEQN: 389715 / GABL Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T32 / FROM: CDM Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR DrwNo: 279.21.1238.35975 Truss Label: A16 / YK 10/06/2021



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): 0.013 M 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.026 M 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.006 M	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.013 M	
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: 0.162	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.179	
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.128	
-	Loc. from endwall: Any	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	ı
Lumber		•	•	_

▲ Maximum Reactions (lbs), or *=PLF							
	G	ravity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL	
В*	95	/-	/-	/59	/13	/13	
AA	290	/-	/-	/213	/81	/-	
AM*	82	/-	/-	/54	/18	/-	
Win	d read	ctions b	ased on N	MWFRS			
В	Brg V	Vidth =	245	Min Reg = -			
AΑ	Brg V	Vidth =	3.5	Min Reg = 1.5			
ΑM	Brg V	Vidth =	138	Min Re	q = -		
Bearings B, AA, & AA are a rig				a rigid su	ırface.		
Members not listed have				_		375#	
	5.0						

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

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind loads based on MWFRS with additional C&C

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



10/06/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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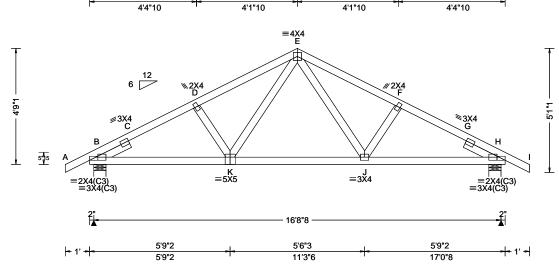


SEQN: 389697 / COMN Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T25 / FROM: CDM Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR DrwNo: 279.21.1238.37162 Truss Label: B01 / YK 10/06/2021

12'7"14

17'0"8

8'6"4



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 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 BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: 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): 0.025 J 999 360 VERT(CL): 0.050 J 999 240 HORZ(LL): 0.010 G HORZ(TL): 0.020 G Creep Factor: 2.0 Max TC CSI: 0.191 Max BC CSI: 0.314 Max Web CSI: 0.229 VIEW Ver: 21.01.01A.0521.20

4'4"10

	▲ Ma	xim	um Rea	ctions	(lbs)			
ı			3ravity		N	on-Grav	vity	
ı	Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL	
ı	В 7	769	/-	/-	/466	/135	/135	
ı	H 7	769	/-	/-	/466	/135	/-	
ı	Wind	l rea	ctions b	ased or	MWFRS			
ı	ΒΙ	Brg ۱	Nidth =	6.0	Min Re	eq = 1.5	5	
ı	ΗΙ	Brg ۱	Nidth =	6.0	Min Re	eq = 1.5	5	
ı	Bear	ings	В&На	re a rig	id surface.	•		
ı	Mem	bers	not list	ed have	forces les	s than 3	375#	
ı	Maxi	mur	n Top C	hord F	orces Per	Ply (lb	s)	
ı	Chor	ds '	Tens.Co	mp.	Chords	Tens.	Ćomp.	
1	B - C	;	605 -	1148	E-F	532	- 889	
J	C-D)	530	- 982	F-G	530	- 983	
	D-E	:	533	- 889	G-H	602	- 1147	

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

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

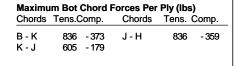
Wind

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

Left and right cantilevers are exposed to wind Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 4-9-1





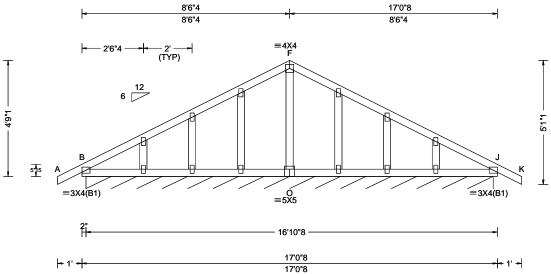
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 389695 / GABL Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T27 / FROM: CDM Qty: 1 Reserve at Jewel Lake 23 - Carlisle B1 - GR DrwNo: 279.21.1238.36428 Truss Label: B02 / YK 10/06/2021



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): 0.001 R 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 R 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 E
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 E
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: 0.069
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.038
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.052
	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
1	•	•	

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL B* 92 /-/47 Wind reactions based on MWFRS B Brg Width = 200 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Left and right cantilevers are exposed to wind

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.



10/06/2021

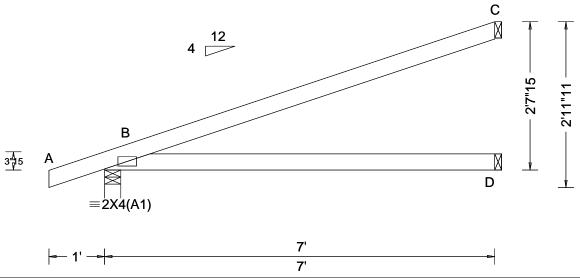
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 389595 / **EJAC** Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T24 / FROM: CDM DrwNo: 279.21.1238.33257 Qty: 15 Reserve at Jewel Lake 23 - Carlisle B1 - GR Truss Label: J01 / DF 10/06/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Ma
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 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: not in 4.50 ft 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): 0.016 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	Loc B 3 D 1 C 1 Wind B E D E C E Beari
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber				

Maximum Reactions (lbs) Non-Gravity Gravity /Rh /Rw /U /RL 361 /-/235 /92 128 /-/-/73 /104 186 nd reactions based on MWFRS Brg Width = 3.5 Min Req = 1.5 Brg Width = 1.5 Min Req = -Brg Width = 1.5 Min Req = aring B is a rigid surface. nbers 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



10/06/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

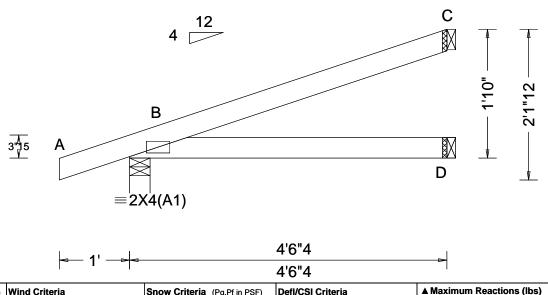
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 389610 / JACK Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T21 / FROM: CDM DrwNo: 279.21.1238.33319 Qty: 2 Reserve at Jewel Lake 23 - Carlisle B1 - GR Truss Label: J03 / DF 10/06/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 264 /- /- /176 /44 /62
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 D	D 80 /- /- /45 /- /-
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.007 D	C 114 /- /- /64 /49 /-
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.339	B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Reg = -
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.189	C Bra Width = 1.5 Min Reg = -
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	Bearing B is a rigid surface.
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#
	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;

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.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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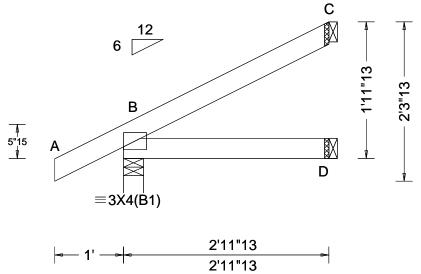
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A 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: 389612 / JACK Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T19 / FROM: CDM DrwNo: 279.21.1238.33428 Qty: 2 Reserve at Jewel Lake 23 - Carlisle B1 - GR Truss Label: J04 / DF 10/06/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 210 /- /- /146 /26 /66
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C	D 54 /- /- /28 /- /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 D	C 74 /- /- /45 /42 /-
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.163	B Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.078	D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = -
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	Bearing B is a rigid surface.
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#
	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;

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



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

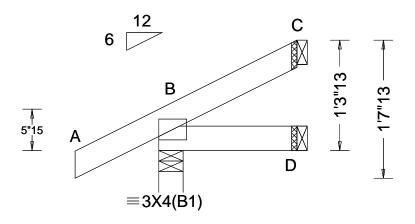
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SEQN: 389608 / JACK Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T20 / FROM: CDM Qty: 2 Reserve at Jewel Lake 23 - Carlisle B1 - GR DrwNo: 279.21.1238.36116 Truss Label: J05 / DF 10/06/2021





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (II	os)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 168 /- /-	/121 /25 /42
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 C	D 27 /- /-	/14 /- /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 C	C 24 /- /-	/14 /20 /-
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	Wind reactions based on N	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.102	B Brg Width = 3.5	Min Req = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.018	D Brg Width = 1.5 C Brg Width = 1.5	Min Req = - Min Req = -
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	Bearing B is a rigid surface	
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Members not listed have for	
	GCpi: 0.18	Plate Type(s):			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20		
Louis				-	

Lumber

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.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

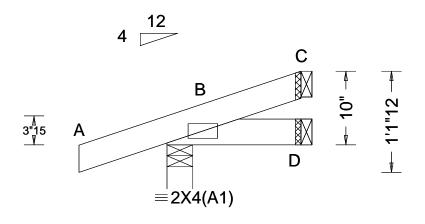
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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 389606 / JACK Ply: 1 Job Number: 21-6253 Cust: R 215 JRef: 1X9f2150036 T22 FROM: CDM Qty: 2 Reserve at Jewel Lake 23 - Carlisle B1 - GR DrwNo: 279.21.1238.34679 Truss Label: J06 / YK 10/06/2021



L 1'	1'6"4	_
	1'6"4	

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (Ibs	s)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 164 /- /-	/116 /43 /27
DCDL. 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 D	D 20 /- /-	/11 /1 /-
Decly 10.00	EXP: C Kzt: NA		HORZ(TL): 0.000 D	C 16 /- /-	/10 /9 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MV	NFRS
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.122		Min Req = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.014		Min Req = -
	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000		Min Req = -
opuog	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Bearing B is a rigid surface. Members not listed have force.	
	GCpi: 0.18	Plate Type(s):		I wembers not listed have lon	Jes iess iildii 3/5#
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20		
Lorenteen	.1	1		4	

Lumber

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.



10/06/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Gable Stud Reinforcement Detail

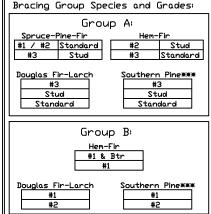
ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

	2x4 Gable Vert		Brace	No	(1) 1×4 *L	" Brace *	(1) 2×4 *L	" Brace *	(2) 2×4 *L	* Brace **	(1) 2×6 *L	" Brace *	(2) 2x6 L	Brace **
_	Spacing	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
]]]	24″ o.c.	SPF: HF	#1 / #2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11 ″	10′ 3 ″	10′ 8″	13′ 6″	14' 0"	14′ 0″	14′ 0″
			#3	4′ 1″	6′ 7 ″	7′ 1″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6″	13′ 4″	13′ 10″	14′ 0″	14′ 0″
			Stud	4′ 1″	6′ 7 ″	7′ 0 ″	8′ 6 ″	8′ 10 ′	10′ 1″	10′ 6″	13′ 4″	13′ 10″	14′ 0″	14′ 0″
>			Standard	4′ 1″	5′ 8 ″	6′ 0 ″	7′ 7″	8′ 1 ″	10′ 1″	10′ 6″	11′ 10″	12′ 8″	14′ 0″	14′ 0″
o		SP	#1	4′ 6″	7′ 4″	7′ 8 ″	8′ 8 ″	9′ 0″	10′ 4″	10′ 9″	13′ 8″	14′ 0″	14′ 0″	14′ 0″
			#2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11 ″	10′ 3″	10′ 8″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
		DFL	#3	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″
b			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″
<u>U</u> .	16″ 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″
امَا			Standard	4′ 8 ″	6′ 11″	7′ 5″	9′ 3 ″	9′ 11″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
\parallel		SP	#1	5′ 1 ″	8′ 5 ″	8′ 9 ″	9′ 11″	10′ 4″	11′ 10″	12′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
/			#2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10″	10′ 3″	11′ 8″	12′ 2 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
		DFL	#3	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ושוו			Stud	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	4′ 8″	6′ 5 ″	6′ 10 ″	8′ 7 ″	9′ 2″	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
	12″ o.c.	SPF HF	#1 / #2	5′ 5 ″	9′ 2″	9′ 6″	10′ 10 ″	11′ 3″	11′ 8″	13′ 5 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ơ			#3	5′ 1 ″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0			Stud	5′ 1 ″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
X			Standard	5′ 1 ′	8′ 0 ″	8′ 6 ″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0 ″	14′ 0″	14′ 0″	14′ 0″
		SP	#1	5′ 8 ″	9′ 3″	9′ 8″	10′ 11″	11′ 4″	13′ 0″	13′ 6 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			#2	5′ 5″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	12′ 11″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
$ \breve{\Sigma} $		DFL	#3	5′ 3 ″	8′ 5 ″	9′ 0″	10′ 9″	11′ 2″	12′ 10 ″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			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.

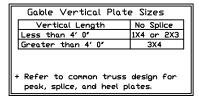
Gable Truss Detail Notes: Wind Load deflection criterion is 1/240.

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.

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 total length is 14'. 2×4 DF-L #2 or better diagonal brace; single Vertical length shown or double cut in table above. (as shown) at upper end. Connect diagonal at midpoint of vertical web.

"L" Brace End Zones, typ. Continuous Bearing Refer to chart shove for max gable ventical length.

VARNINGI READ AND FOLLOW ALL NOTES ON THIS DRAVINGI
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Refer to drawings 160A-Z for standard plate positions.

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MAX, TOT, LD, 60 PSF COA#0278 10/06/2021

ASCE7-16-GAB14015 DATE 01/26/2018 DRWG A14015ENC160118

MAX. SPACING 24.0"

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.

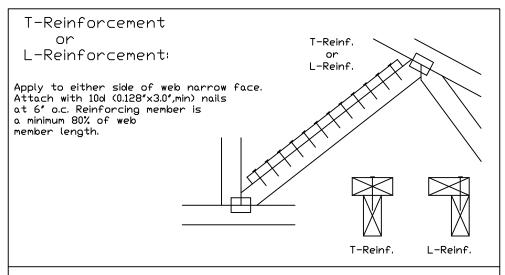
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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	2x6	1-2×8
	2 rows	2x6	2-2×6(*)

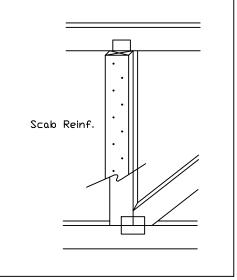
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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



Scab Reinforcement:

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



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∓€ LL		REF	
TC DL		DATE	
BC DL	PSF	DRWG	BRCL:
BC LL	PSF		
TOT. LD.	PSF		
DUR, FAC.			
		1	

SPACING

Subst. BSUB0119

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

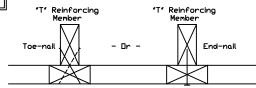
ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118, \$11515ENC100118, \$12015ENC100118, \$14015ENC100118, \$16015ENC100118, \$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015PED100418,

S11530ENC100118, S12030ENC100118, S14030ENC100118, \$16030[NC1001]8, \$1,000 \$18030ENC100118, \$20030ENC100118, \$20030EN0100118, \$20030PED100118

See appropriate Alpine gable detail for maximum inventorces galle ver

"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 = 1.00Gable 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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10/06/2021

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

MAX, TOT, LD, 60 PSF DUR. FAC. ANY MAX. SPACING 24.0"

Rigid Sheathing

Ceiling

4 Nails

Nails

Spaced At

4 Nails

Reinforcing Member

Gable

Truss

514 Earth City Expressway Suite 242 Earth City, MO 63045

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

