



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

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11/17/2023

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

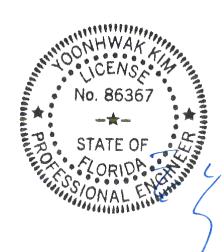
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 23-0213
Job Description: Libby	
Address: FL	

Job Engineering Criteria:				
Design Code: FBC 7th Ed. 2020 Res. IntelliVIEW Version: 22.02.00				
	JRef #: 1XUU2150005			
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00			
Building Type: Closed				

This package contains general notes pages, 54 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss		
1	321.23.1453.30727	A01		
3	321.23.1454.05907	B02		
5	321.23.1459.52780	C01		
7	321.23.1500.01527	C03		
9	321.23.1501.32993	C05		
11	321.23.1501.40920	C07		
13	321.23.1501.48807	C09		
15	321.23.1501.57493	C11		
17	321.23.1502.04403	C13		
19	321.23.1502.11270	C15		
21	321.23.1502.40933	C17		
23	321.23.1502.48737	C19		
25	321.23.1502.57413	C21		
27	321.23.1503.02740	D02		
29	321.23.1503.10520	D04		
31	321.23.1503.16510	G02		
33	321.23.1503.21700	G04		
35	321.23.1455.42703	H01		
37	321.23.1455.50970	HJ01		
39	320.23.1453.32637	J02		
41	320.23.1453.32544	J04		
43	321.23.1456.02920	J06		
45	321.23.1456.08780	K01		
47	321.23.1459.21967	K03		
49	321.23.1459.30520	K05		

Item	Drawing Number	Truss
		111100
2	321.23.1453.58080	B01
4	321.23.1455.09843	B03
6	321.23.1459.57323	C02
8	321.23.1500.05217	C04
10	321.23.1501.36887	C06
12	321.23.1501.45040	C08
14	321.23.1501.54140	C10
16	321.23.1502.00917	C12
18	321.23.1502.07777	C14
20	321.23.1502.36627	C16
22	321.23.1502.45313	C18
24	321.23.1502.52080	C20
26	321.23.1502.59977	D01
28	321.23.1503.06620	D03
30	321.23.1503.13200	G01
32	321.23.1503.19353	G03
34	321.23.1503.38777	G05
36	321.23.1455.46367	H02
38	320.23.1453.32319	J01
40	321.23.1455.54250	J03
42	321.23.1455.59210	J05
44	321.23.1456.05320	J07
46	321.23.1459.17617	K02
48	321.23.1459.26220	K04
50	321.23.1459.34913	PB01





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Site Information:	Page 2:	
Customer: W. B. Howland Company, Inc.	Job Number: 23-0213	
Job Description: Libby		
Address: FL		

Item	Drawing Number	Truss
51	321.23.1459.39477	PB02
53	321.23.1459.46547	PB04
55	A14015ENC160118	
57	BRCLBSUB0119	
59	PB160160118	

Item	Drawing Number	Truss
52	321.23.1459.42470	PB03
54	321.23.1459.49913	PB05
56	A14030ENC160118	
58	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.

FRT-PR = ProWood Fire Retardant Treated lumber.

g = green lumber.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

Ic = Incised lumber.

FJ = Finger Jointed lumber.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for all load cases.

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

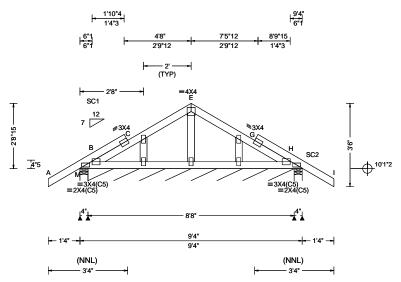
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

### References:

- 1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
- 2. ICC: International Code Council; www.iccsafe.org.
- 3. Alpine, a division of ITW Building Components Group Inc.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; <a href="https://www.alpineitw.com">www.alpineitw.com</a>.
- 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: 733222 GABL Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T2 FROM: CDM Qty: 1 DrwNo: 321.23.1453.30727 Libby Truss Label: A01 SSB / YK



	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 Wind Std: ASCE 7-16  TCDL: 10.00 Speed: 130 mph  ECLL: 0.00 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): -0.000 C 999 240 VERT(CL): 0.001 B 999 180 HORZ(LL): 0.000 G HORZ(TL): 0.001 G Creep Factor: 2.0 Max TC CSI: 0.180 Max BC CSI: 0.030 Max Web CSI: 0.028  VIEW Ver: 22.02.00.0914.12

▲ Maximum Reactions (lbs), or *=PLF						
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
М	239	/-	/-	/160	/46	/106
В*	55	/-	/-	/32	/8	/-
Н	239	/-	/-	/175	/46	/-
Wir	nd read	ctions b	ased on N	<b>MWFRS</b>		
М	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	s)
В	Brg V	Vid = 10	3 Min F	Reg = -	•	•
H Brg Wid = 4.0 Min Req = 1.5 (Truss)						
Bearings M, B, & H are a rigid surface.						
	_			-		375#
Members not listed have forces less than 375#						

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

Stack Chord: SC2 2x4 SP #2;

### **Plating Notes**

All plates are 2X4 except as noted.

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

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

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

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

The overall height of this truss excluding overhang is 2-8-15.



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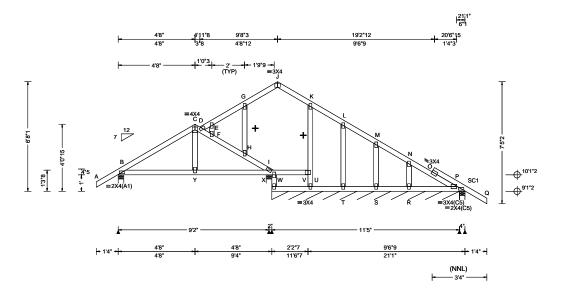
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installiers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from 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/TP1 1 Sec. 2.

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



SEQN: 733408 GABL Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T3 FROM: CDM Qty: 1 DrwNo: 321.23.1453.58080 Libby Truss Label: B01 SSB / YK 11/17/2023



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): 0.023 G 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.046 G 999 180	
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.018 O	
Dec 1 d · 40 00	EXP: C Kzt: NA		HORZ(TL): 0.026 L	
NODOLL, 40 00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
0.40	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.222	
l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.203	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.356	
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12	

#### Lumber

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

### **Plating Notes**

All plates are 2X4 except as noted.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

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

The overall height of this truss excluding overhang is

+ Member to be laterally braced for out of

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

Show Criteria (Pg,Prin PSF)   Defi/CSi Criteria	
Pg: NA Ct: NA CAT: NA PP Deflection in loc	L/defl L/#
Pf: NA Ce: NA VERT(LL): 0.023 (	3 999 240
u: NA Cs: NA VERT(CL): 0.046 (	3 999 180
Snow Duration: NA HORZ(LL): 0.018 (	)
HORZ(TL): 0.026 I	
Building Code: Creep Factor: 2.0	
FBC 7th Ed. 2020 Res. Max TC CSI: 0.22	22
PI Std: 2014 Max BC CSI: 0.20	)3
Rep Fac: Yes Max Web CSI: 0.35	6
T/RT:20(0)/10(0)	
Plate Type(s):	
VIEW Ver: 22.02.00	0914 12

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

	▲ Maximum Reactions (lbs), or *=PLF							
	Gravity			Non-Gravity				
5	Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
)	В	531	/-	/-	/322	/100	/210	
	1	357	/-	/-	/231	/161	/-	
	Χ*	70	/-	/-	/36	/3	/-	
	Р	300	/-	/-	/185	/24	/-	
	Wir	nd read	ctions b	ased on N	<b>MWFRS</b>			
	В	Brg V	Vid = 4	.0 Min F	Req = 1.5	(Truss	s)	
	1	Brg V	Vid = 4	.0 Min F	Req = 1.5	(Truss	s)	
	Х	Brg V	Vid = 1	37 Min F	Req = -			
	Р	Brg V	Vid = 4	.0 Min F	Req = 1.5	(Truss	s)	
	Bearings B, I, X, & P 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.							

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.		Chords	Tens. Comp			
B-Y	415	- 91	Y - I	415	- 91		

H-I

221

- 444

210 - 545

B - C

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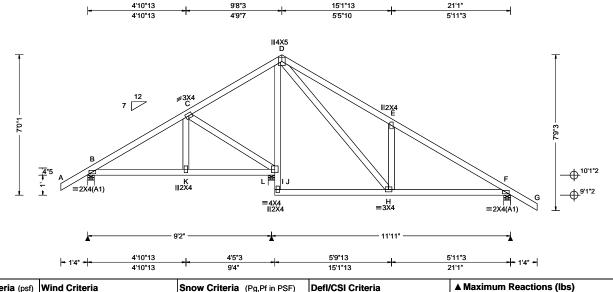
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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 Detailis, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

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SEQN: 733234 SPEC Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T6 FROM: CDM Qty: 1 DrwNo: 321.23.1454.05907 Libby Truss Label: B02 SSB / YK 11/17/2023



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/#
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.013 E 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.027 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 E
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.016 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: 0.358
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.337
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.449
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12

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

Loc R+ В 477 911 562

Gravity Non-Gravity /Rh /Rw /U /RL /264 /160 /211 /-/564 /8 /428 /164 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B, L, & F 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 350 - 437 E-F 370 - 558 D-E 532 - 550

## Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. H-F 415 - 180

Maximum	<b>Web Forces</b>	Per	Ply	(lbs)
14/ 1 -	^			

webs	rens.Comp.		vvebs	rens. Comp.		
C - I	200 -	406	D-H	647	- 316	
I - D	40 -	614				



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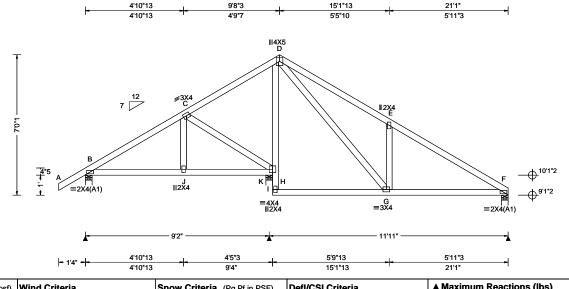
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SEQN: 733236 SPEC Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T1 FROM: CDM Qty: 2 DrwNo: 321.23.1455.09843 Libby Truss Label: B03 SSB / YK 11/17/2023



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): 0.014 E 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.028 E 999 180
	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.009 E
Dec 1 d · 10 00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.017 E
NODOLL 40 00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
0 - 40:4-	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.374
	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.352
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.292
	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: 22.02.00.0914.12

#### Lumber

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

#### Loading

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

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

	A Waxiiiuiii Neactions (ibs)							
	Gravity				Non-Gravity			
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
)	В	480	/-	/-	/272	/148	/196	
	K	993	/-	/-	/549	/33	/-	
	F	478	/-	/-	/336	/128	/-	
	Win	nd read	ctions b	ased on N	/WFRS			
	В	Brg V	Vid = 4	.0 Min F	Req = 1.5	(Trus	s)	
	K	Brg V	Vid = 4	.0 Min F	Req = 1.5	(Truss	s)	
	F	Brg V	Vid = 4	.0 Min F	Req = 1.5	(Trus	s)	
	Bearings B, K, & F are a rigid surface.							
	Mer	mbers	not list	ed have fo	orces less	than 3	375#	
_	Max	kimun	n Top (	Chord For	ces Per	Ply (lb	s)	
	Cho	ords -	Tens.Co	omp. (	Chords	Tens.	Comp.	

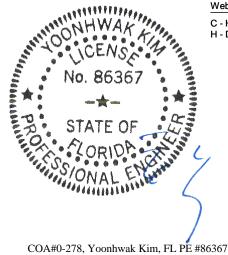
B - C	209	- 442	E-F	225	- 603
D - E	355	- 599			

# Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. G-F 457 - 120

Maximum	Web	<b>Forces</b>	Per	Ply	(lbs)	Ì
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MEDS	16113.0	onip.	Mens	rens. Comp.	
C - H H - D			D-G G-E		- 205 - 379



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SEQN: 733276 HIPS Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T13 Ply: 2 FROM: CDM Qty: 1 DrwNo: 321.23.1459.52780 Libby Truss Label: C01 SSB / YK 11/17/2023 2 Complete Trusses Required 26'7"10 2'1"6 21'7"2 9'6" 2'6" 43'8" 11'10" 14'5"13 24'6"4 30'7"2 36'8' 18'2"2 2'11"2 2'4" 2'7"13 3'11"8 3'8"5 3'5" 6'0"14 =8X10 G ≥6X6 ∥4X5 D ∥4<u>¥</u>6 =7X8 =4X4 ≡3X8 K U V ≡5X10 T ≡4X8 =7X10 =8X14 \_\_\_\_\_O ≡7X8 =4X5(A1) - 9'6" 34'2" 2'11"2 3'5" 3'11"8 2'6" 2'4" 2'7"13 3'8"5 6'0"14 9'6" 11'10" 14'5"13 18'2"2 21'7"2 24'6"4 30'7"2 36'8' 26'7"10 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Gravity Non-Gravity Wind Std: ASCE 7-16 Pg: NA Ct: NA CAT: NA TCLL: 20.00 PP Deflection in loc L/defl L/# Loc R+ /R /Rh /Rw /U /RL Speed: 130 mph TCDL: 10.00 Pf: NA VERT(LL): 0.193 R 999 240 Ce: NA Enclosure: Closed VERT(CL): 0.407 R BCI I · 0.00 Lu: NA Cs: NA 999 180 В Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.063 M 5591 /-/-/1772 /-EXP: C Kzt: NA 3279 /-/649 /-HORZ(TL): 0.133 M Des Ld: 40.00 Mean Height: 15.00 ft Wind reactions based on MWFRS **Building Code:** Creep Factor: 2.0 NCBCLL: 0.00 TCDL: 5.0 psf Brg Wid = 4.0 Min Req = 1.5 (Truss) FBC 7th Ed. 2020 Res. Max TC CSI: 0.413 Soffit: 2.00 Brg Wid = 4.0BCDL: 5.0 psf Min Req = 2.9 (Truss) TPI Std: 2014 Max BC CSI: 0.759 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Brg Wid = 4.0 Min Req = 1.9 (Truss) Rep Fac: No Max Web CSI: 0.832 Spacing: 24.0 " C&C Dist a: 4.37 ft Bearings B, Y, & M are a rigid surface. FT/RT:20(0)/10(0) Loc. from endwall: not in 6.50 ft Members not listed have forces less than 375# Plate Type(s): GCpi: 0.18 Maximum Top Chord Forces Per Ply (lbs) VIEW Ver: 22.02.00.0914.12 Wind Duration: 1.60 WAVE Chords Tens.Comp. Chords Tens. Comp. Lumber **Plating Notes** 

Top chord: 2x6 SP #2; T1,T5 2x4 SP #2; Bot chord: 2x6 SP #2; Webs: 2x4 SP #3; W15 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**

21.06,22.60

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)								
TC: From	63 plf at	-1.33 to	63 plf at	7.00				
TC: From	32 plf at	7.00 to	32 plf at	36.67				
TC: From	63 plf at	36.67 to	63 plf at	45.00				
BC: From	5 plf at	-1.33 to	5 plf at	0.00				
BC: From	20 plf at	0.00 to	20 plf at	7.03				
BC: From		7.03 to	10 plf at	36.52				
BC: From	20 plf at	36.52 to	20 plf at	43.67				
BC: From	5 plf at	43.67 to	5 plf at	45.00				
TC: 443 lb	Conc. Load	at 7.03,36	.64					
TC: 191 lb	Conc. Load	at 9.06,11	.06,24.60,2	6.60				
28.60,30.60,3								
TC: 132 lb	Conc. Load	at 13.06,15	5.06,17.06,1	9.06				
21.06,22.60								
BC: 510 lb	Conc. Load	lat 7.03,36	.64					
BC: 130 lb	Conc. Load	lat 9.06,11	.06,24.60,2	6.60				
28.60,30.60,3	32.60,34.60							

BC: 160 lb Conc. Load at 13.06,15.06,17.06,19.06

All plates are 2X4 except as noted.

#### **Purlins**

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

#### Wind

Wind loads and reactions based on MWFRS.

both gable and the structure of the stru The overall height of this re

B-C	421 - 451	H-I	574 - 3658	
C - D	827 - 583	I - J	740 - 4218	
D-E	38 - 404	J - K	640 - 3500	
E-F	0 - 1600	K-L	493 - 2555	
F-G	0 - 1600	L-M	580 - 2916	
G-H	574 - 3658			

### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (	Comp.
B-Z	377	- 327	T - R	4228	- 740
Z - Y	378	- 316	Q-P	3437	- 669
W - V	461	0	P-0	3437	- 669
V - U	2845	- 324	O - M	2482	- 486
11 T	2015	224			

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C-Y	384 - 962	T - I	250 - 880
Y - D	360 - 1600	I-R	567 - 125
Y - W	583 - 816	R - J	1325 - 181
D - W	1634 - 305	R - Q	3686 - 674
W - E	472 - 1537	J - Q	242 - 1336
E-V	1878 - 542	K - O	214 - 1073
V - G	501 - 1724	0 - L	987 -83
G-T	1180 - 348		

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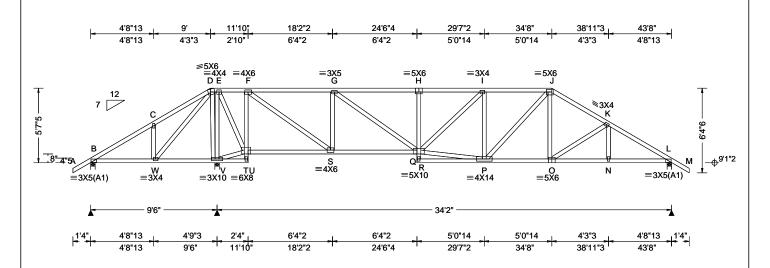
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SEQN: 733279 HIPS Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T11 FROM: CDM Qty: 1 DrwNo: 321.23.1459.57323 Libby Truss Label: C02 SSB / YK 11/17/2023



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): 0.116 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.242 H 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.022 L
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.046 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: 0.586
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.555
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.762
' '	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber		•	•

▲ Maximum Reactions (lbs)							
	Gravity Non-Gravity						
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	87	/-477	/-	/66	/177	/185	
٧	2749	/-	/-	/1459	/477	/-	
L	1320	/-	/-	/815	/240	/-	
Win	d reac	tions bas	sed on M\	VFRS			
В	Brg W	/id = 4.0	Min Re	q = 1.5	(Truss	s)	
٧	Brg W	/id = 4.0	Min Re	q = 2.9	(Truss	s)	
L	Brg W	/id = 4.0	Min Re	q = 1.6	(Truss	s)	
Bea	rings E	3, V, & L	are a rigi	d surfac	æ.		
Members not listed have forces less than 375#							
Max	Maximum Top Chord Forces Per Ply (lbs)						
Cho	rds T	ens.Con	np. Ch	ords	Tens.	Comp.	

# **Plating Notes**

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

All plates are 2X4 except as noted.

#### **Purlins**

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

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

Negative reaction(s) of -477# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions

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

B - C	1166	- 361	G-H	740 - 1831
C - D	1157	- 282	H - I	737 - 1820
D-E	1309	- 293	I - J	719 - 1686
E-F	775	- 132	J - K	645 - 1720
F-G	404	- 906	K-L	626 - 2009

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. (	Comp.
B - W	396 - 973	P-0	1431	- 356
W - V	503 - 1211	O - N	1665	- 427
T-S	356 - 733	N - L	1667	- 425
S - Q	972 - 233			

#### Maximum Web Forces Per Ply (lbs)

AA GD2	rens.comp.	MEDS	i ciis.	Comp.
W - D	568 - 186	F-S	2000	- 639
D - V	317 - 1036	S - G	458	- 1050
V - E	409 - 1158	G-Q	1064	- 389
V - T	557 - 1349	Q-P	1651	- 468
E - T	1218 - 456	I - P	280	- 429
T - F	636 - 1532			

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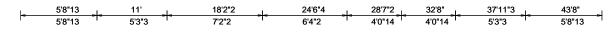
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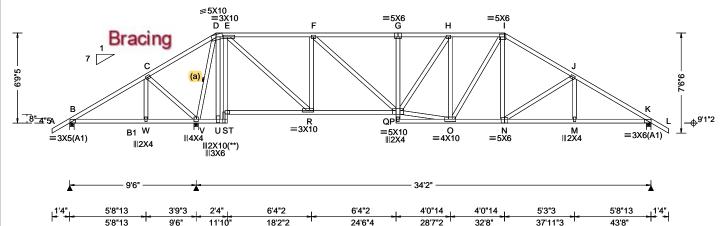
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 733282 HIPS Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T9 FROM: CDM Qty: 1 DrwNo: 321.23.1500.01527 Libby Truss Label: C03 SSB / YK 11/17/2023





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): 0.135 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.278 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.036 K
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.074 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: 0.789
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.570
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.905
'	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12

#### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw / U /RL В 286 /-139 /91 /217 2296 /-/1304 /325 /-1413 /-/893 /269 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 4.0Min Req = 1.5 (Truss) Brg Wid = 4.0 Min Req = 1.7 (Truss) Bearings B, V, & K 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.

# Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; B1 2x4 SP M-31;

Webs: 2x4 SP #3;

#### **Bracing**

(a) Continuous lateral restraint equally spaced on member.

## **Plating Notes**

All plates are 3X4 except as noted.

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

### **Purlins**

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

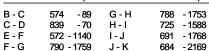
#### Wind

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 6-9-5



### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (	Comp.
B - W	165	- 459	O - N	1452	- 357
W - V	164	- 462	N - M	1794	- 466
R - P	1191	- 347	M - K	1796	- 464

## Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
C - V	173 - 476	R-F	433	- 1002
V - D	718 - 2349	F-P	767	- 266
D - U	1676 - 685	P-0	1587	- 438
S - T	539 - 1285	H - O	292	- 457
S-E	561 - 1233	N - J	144	- 411
E-R	1651 - 505			

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No. 8636'

STAT'

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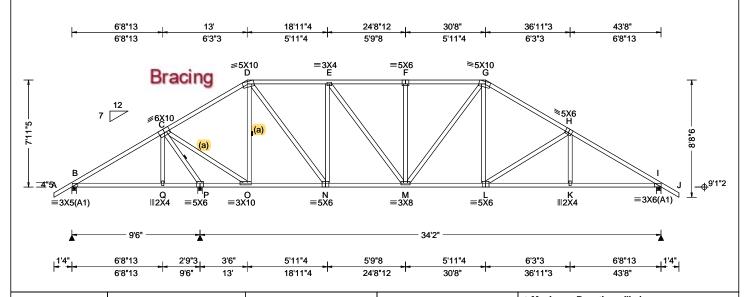
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SEQN: 733285 HIPS Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T8 FROM: CDM Libby Qty: 1 DrwNo: 321.23.1500.05217 Truss Label: C04 SSB / YK 11/17/2023



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/#	ı
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.098 F 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.200 F 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.032 I	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.066 I	
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: 0.503	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.556	
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.875	
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12	
Lumber			_	_

	▲ Maximum Reactions (lbs)							
		G	ravity		Non-Gravity			
)	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
)	В	479	/-	/-	/294	/96	/250	
	Р	1857	/-	/-	/1063	/306	/-	
	1	1505	/-	/-	/944	/270	/-	
	Win	d reac	tions ba	sed on	MWFRS			
	В	Brg W	/id = 4.0	Min	Req = 1.5	(Truss	s)	
	Р	Brg W	/id = 4.0	Min	Req = 2.2			
	1	Brg W	/id = 4.0	Min	Req = 1.8	(Truss	s)	
	Bea	rings E	3, P, & I	are a ri	gid surface	е.		
	Men	nbers	not listed	d have	forces less	than 3	375#	
	Max	imum	Top Ch	ord Fo	rces Per	Ply (lb	s)	
	Cho	rds T	ens.Cor	np.	Chords	Tens.	Comp.	

C - D	355 - 742	F-G	682	- 1545
D - E	577 - 1227	G-H	666	- 1818
E-F	682 - 1545	H - I	669	- 2316

### **Bracing**

Top chord: 2x4 SP #2;

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

(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 7-11-5.



Chords	Tens.Comp.	Chords	Tens. Comp.	
P - O	380 - 1005	M - L	1482 - 302	
O - N	549 - 57	L-K	1910 - 441	
N - M	1256 - 298	K-I	1912 - 439	

#### Maximum Web Forces Per Ply (lbs)

vvens	rens.comp.	Webs	Tens. Cor	πp.
C-P	627 - 2133	N - E	362 -	772
C - O	1851 - 511	E - M	490 -	184
D - O	341 - 945	G-L	456	-38
D - N	1125 - 381	L-H	178 -	510



COA#0-278, Yoonhwak Kim, FL PE #86367 Flottida Occidicate of Product Approval #FL 1999

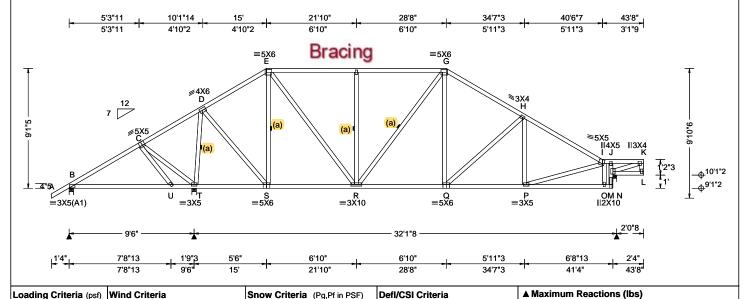
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SEQN: 733291 SPEC Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T10 FROM: CDM Qty: 1 DrwNo: 321.23.1501.32993 Libby Truss Label: C05 SSB / YK 11/17/2023



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): 0.070 Q 999 240	ı
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.145 Q 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.021 E	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.044 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: 0.778	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.539	
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.743	
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12	
Lumber				•

#### Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 371 /204 /252 1981 /-/-/1149 /116 /-1474 /902 /72 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 4.0Min Req = 2.0 (Truss) Brg Wid = 3.5 Min Req = 1.7 (Truss) Bearings B, T, & M 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.

#### C-D F-G 501 - 1029 478 - 105 D-E 319 - 683 G-H 512 - 1325 441 - 1516 E-F 501 - 1029 H - I

#### **Bracing**

(a) Continuous lateral restraint equally spaced on

## **Plating Notes**

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2:

Webs: 2x4 SP #3;

All plates are 2X4 except as noted.

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.

Right end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

## **Additional Notes**

The overall height of this truss excluding overhang is 9-1-5.



Chords	Tens.C	Comp.	Chords	Tens. Comp.		
S-R	529	- 93	Q-P	1253	- 314	
R-Q	1058	- 237				

#### Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	vvebs	rens. Comp.
C-T	102 - 498	F-R	340 - 462
T - D	538 - 1637	P - I	1136 - 265
D - S	1101 - 299	1-0	260 - 624
E-S	295 - 725	J - M	239 - 911
E-R	830 - 320	M - N	629 - 211



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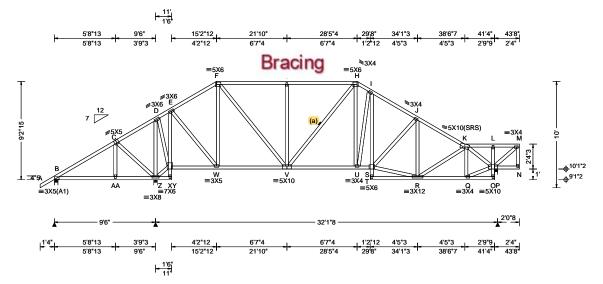
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SEQN: 733301 SPEC Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T28 FROM: CDM Qty: 1 DrwNo: 321.23.1501.36887 Libby Truss Label: C06 SSB / YK 11/17/2023



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 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 BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.37 ft Loc. from endwall: not in 13.00 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	PP Deflection in loc L/defl L/# VERT(LL): 0.059 S 999 240 VERT(CL): 0.122 S 999 180 HORZ(LL): 0.029 P HORZ(TL): 0.061 P Creep Factor: 2.0 Max TC CSI: 0.541 Max BC CSI: 0.478 Max Web CSI: 0.818  VIEW Ver: 22.02.00.0914.12
Lumber			

<b>A</b> N	▲ Maximum Reactions (lbs)							
	G	ravity		No	n-Gra	vity		
Lo	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
В	363	/-	/-	/182	/25	/254		
Z	1981	/-	/-	/1180	/76	/-		
0	1471	/-	/-	/874	/73	/-		
Wi	nd reac	tions b	ased on N	/WFRS				
В	Brg V	Vid = 4	.0 Min F	Req = 1.5	(Trus	s)		
Z	Brg V	Vid = 4	.0 Min F	Req = 2.0	(Trus	s)		
0	Brg V	Vid = 3	.5 Min F	Req = 1.7	(Trus	s)		
Be	Bearings B, Z, & O are a rigid surface.							
Members not listed have forces less than 375#								
Maximum Top Chord Forces Per Ply (lbs)								
Ch	ords T	ens.Co	omp. (	Chords	Tens.	Comp.		

C - D	459 - 21	H-I	81 - 1342
E-F	32 - 756	I - J	49 - 1532
F-G	0 - 1131	J - K	52 - 1466
G-H	0 - 1131		

Chords

U-S

R - O

Tens. Comp.

44

1258

972

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

604

1174

W-V

V - U

# **Bracing**

(a) Continuous lateral restraint equally spaced on

## **Plating Notes**

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

All plates are 2X4 except as noted.

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.

Right end vertical not exposed to wind pressure.

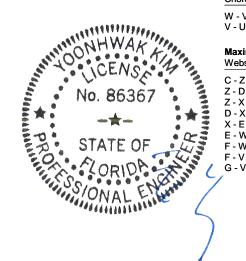
Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

## **Additional Notes**

The overall height of this truss excluding overhang is

It is the responsibility of the building designer and truss fabricator to review this dwg prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans, specifications and fabricator's truss layout.



Maximum Web Forces Per Ply (lbs)							
Webs	Tens.Co	mp.	Webs	Tens.	Comp.		
C-Z	140	- 406	H - U	443	- 160		
Z - D	0 -	1307	U - I	208	- 452		
Z - X	59	478	1 - S	411	- 90		
D - X	1041	0	S - R	1231	0		
X - E	0 -	1296	J - R	15	- 396		
E-W	993	0	K-Q	59	- 385		
F-W	0	- 654	K - O	78	- 1244		
F-V	837	0	Q-0	1039	- 42		

- 448

COA#0-278, Yoonhwak Kim, FL PE #86367 Flotida Co2 Ficate of Product Approval #FL 1999

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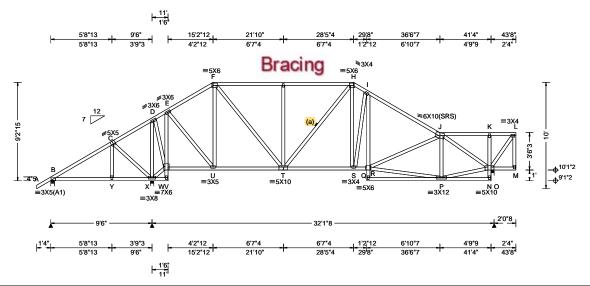
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 733305 SPEC Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T7 FROM: CDM Qty: 1 DrwNo: 321.23.1501.40920 Libby Truss Label: C07 SSB / YK 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,	Pf in PSF)	Defl/CSI Criteria	1	
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): 0.06	62 Q 999	240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA		VERT(CL): 0.12	29 Q 999	180
BCDL: 10.00	Risk Category: II	Snow Duration: NA		HORZ(LL): 0.02	28 O -	-
Des Ld: 40.00	EXP: C Kzt: NA			HORZ(TL): 0.05	59 O -	-
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:		Creep Factor: 2.0	0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 R	Res.	Max TC CSI: (	0.543	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014		Max BC CSI:	0.478	
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes		Max Web CSI: (	0.852	
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)				
	GCpi: 0.18	Plate Type(s):				
	Wind Duration: 1.60	WAVE		VIEW Ver: 22.02	.00.0914.1	2
Lumber						

▲ M	▲ Maximum Reactions (lbs)							
	Gı	ravity		No	n-Grav	ity		
Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL		
В	358	/-	/-	/180	/17	/252		
Χ	1994	/-	/-	/1194	/76	/-		
N	1468	/-	/-	/846	/74	/-		
Win	d react	tions bas	sed on MV	VFRS				
В	Brg W	id = 4.0	Min Re	q = 1.5	(Truss	)		
Χ	Brg W	id = 4.0	Min Re	q = 2.0	(Truss	)		
N			Min Re					
Bea	Bearings B, X, & N are a rigid surface.							
Members not listed have forces less than 375#								
Max	Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds T	ens.Com	np. Ch	ords	Tens.	Ćomp.		

#### C-D 0 - 1124 478 -23 G - H E-F 17 - 745 H - I 111 - 1403 - G - 1578 0 - 1124 30

### Bracing

(a) Continuous lateral restraint equally spaced on

## **Plating Notes**

Top chord: 2x4 SP #2;

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

All plates are 2X4 except as noted.

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.

Right end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

## **Additional Notes**

The overall height of this truss excluding overhang is

It is the responsibility of the building designer and truss fabricator to review this dwg prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans, specifications and fabricator's truss layout.

# Maximum Bot Chord Forces Per Ply (lbs)

			nords Tens.Comp. C					
J - T	594	0	S - Q	1275	0			
T - S	1169	0						

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
C-X	141 - 407	F-T	841	0
X - D	0 - 1305	G - T	0	- 449
X - V	38 - 500	H-S	570	- 237
D - V	1039 0	S-I	291	- 581
V - E	8 - 1309	Q-P	1168	-80
E - U	1005 0	J - N	90	- 1471
F - U	0 -662	P-N	1211	-72



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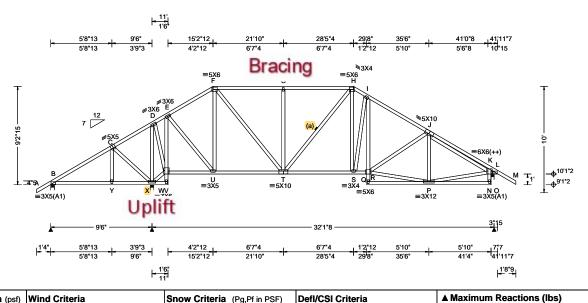
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SEQN: 733310 HIPS Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T18 FROM: CDM Qty: 1 DrwNo: 321.23.1501.45040 Libby Truss Label: C08 SSB / YK 11/17/2023



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): 0.062 Q 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.128 Q 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.029 K
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.059 K
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: 0.542
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.480
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.937
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber	_		

#### В 358 /160 /290 1993 /1221 /79 1437 /933 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 4.0Min Req = 2.0 (Truss) Brg Wid = 3.5 Min Req = 1.7 (Truss) Bearings B, X, & N are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

/Rh

Non-Gravity

/RL

/Rw /U

Gravity

Loc R+

#### C-D 104 - 1382 H-I E-F 61 - 748 I - J 41 - 1569 8 - 1130 F-G J - K 56 - 433 G-H 8 - 1130

# Bracing

(a) Continuous lateral restraint equally spaced on

## **Plating Notes**

Top chord: 2x4 SP #2;

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

All plates are 2X4 except as noted.

(++) - This plate works for both joints covered.

#### **Purlins**

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

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

Right cantilever is exposed to wind

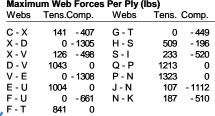
Wind loading based on both gable and hip roof types.

## **Additional Notes**

The overall height of this truss excluding overhang is

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#### Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. U - T S - Q 1274 T-S 1179 0 N-I 390 - 272 Maximum Web Forces Per Ply (lbs)



COA#0-278, Yoonhwak Kim, FL PE #86367 Flotida Conficate of Product Approval #FL 1999

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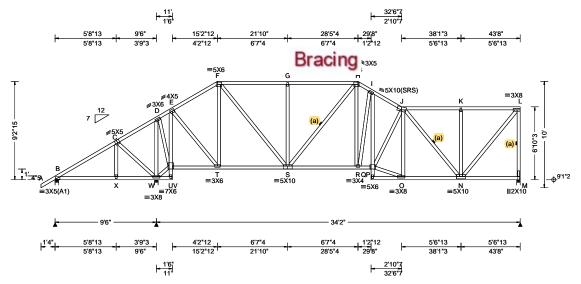
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SEQN: 733313 SPEC Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T12 FROM: CDM Qty: 1 DrwNo: 321.23.1501.48807 Libby Truss Label: C09 SSB / YK 11/17/2023



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): 0.091 P 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.189 P 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.033 N
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.068 N
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: 0.551
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.507
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.972
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

# ▲ Maximum Reactions (lbs)

	Gravity				Non-Gravity			
	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
	В	314	/-50	/-	/142	/11	/249	
	W	2205	j /-	/-	/1319	/79	/-	
	М	1338	} /-	/-	/694	/77	/-	
	Wir	nd rea	ctions ba	sed on	MWFRS			
	В	Brg '	Wid = 4.0	Min	Req = 1.5	(Trus	ss)	
	W	Brg '	Wid = 4.0	Min	Req = 2.2	(Trus	ss)	
	М	Brg '	Wid = 4.0	Min	Req = 1.6	(Trus	ss)	
	Bearings B, W, & M are a rigid surface.							
	Members not listed have forces less than 375#							
_	Maximum Top Chord Forces Per Ply (lbs)							
	Cho	ords	Tens.Con	np.	Chords	Tens.	. Comp.	

B - C	416 - 136	H - I	139	- 1554
C - D	643 - 117	l - J	153	- 1803
E-F	2 - 735	J-K	190	- 980
F-G	2 - 1223	K-L	189	- 980
G-H	2 - 1223			

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

(a) Continuous lateral restraint equally spaced on

## **Plating Notes**

Top chord: 2x4 SP #2;

All plates are 2X4 except as noted.

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.

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

#### **Additional Notes**

The overall height of this truss excluding overhang is

It is the responsibility of the building designer and truss fabricator to review this dwg prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans, specifications and fabricator's truss layout.

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (	Comp.
T-S	586	0	R-P	1506	- 81
S - R	1380	- 23	O - N	1504	- 166

## Maximum Web Forces Per Ply (lbs)

webs	rens.Comp.	ens.Comp. webs		rens. Comp.	
C - W	143 - 411	H-R	633	- 243	
W - D	73 - 1385	R - I	310	- 678	
W - U	54 - 690	I-P	770	- 247	
D - U	1111 -58	P-0	1604	- 176	
U - E	83 - 1510	J - O	113	- 539	
E - T	1182 0	J - N	0	- 809	
F-T	0 - 794	K - N	320	- 412	
F-S	1003 0	N - L	1515	- 293	
,G - S	0 -446	L - M	315	- 1292	

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\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

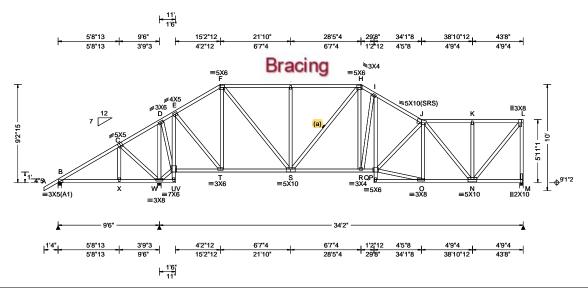
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 733316 SPEC Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T23 FROM: CDM Qty: 1 DrwNo: 321.23.1501.54140 Libby Truss Label: C10 SSB / YK 11/17/2023



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): 0.093 P 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.192 P 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.033 N
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.069 N
NCBCLL: 10.00	Mean Height: 15.43 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.543
1	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.507
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.979
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

#### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 311 /137 /250 W 2213 /-/-/1317 /77 /-1336 /-/710 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 4.0Min Req = 2.2 (Truss) Brg Wid = 4.0 Min Req = 1.6 (Truss) Bearings B, W, & M 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 - 1578 134 C-D 655 I - J 103 - 1819 - 90 E-F 4 - 728 J - K 172 - 997 F-G 0 - 1219 K-I 172 - 996 G - H 0 - 1219

Chords

R-P

Tens. Comp.

-35

- 158

1509

1614

# **Bracing**

(a) Continuous lateral restraint equally spaced on

## **Plating Notes**

Top chord: 2x4 SP #2;

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

All plates are 2X4 except as noted.

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

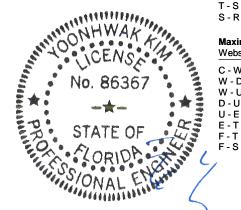
Wind loads based on MWFRS with additional C&C member design.

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

#### **Additional Notes**

The overall height of this truss excluding overhang is

It is the responsibility of the building designer and truss fabricator to review this dwg prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans, specifications and fabricator's truss layout.



Maxim	um Web Fo	rces	Per Ply (	lbs)
S - R	1376	0	O - N	161

Maximum Bot Chord Forces Per Ply (lbs)

0

Chords Tens.Comp.

580

#### Tens. Comp. C - W 143 - 412 G-S W - D 42 - 1383 H-R 689 - 252 W - U 61 R-I 315 - 724 - 704 D-U 1110 I-P - 35 687 - 171 U-E P - O 1634 - 162 70 - 1519 J - N - 955 E - T 1189 0 0 F-T 0 - 799 N - L 1542 - 266 F-S 1005 294 - 1296

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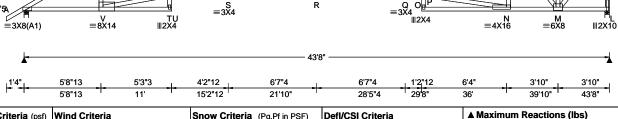
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SEQN: 733319 SPEC Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T34 FROM: CDM Qty: 1 DrwNo: 321.23.1501.57493 Libby Truss Label: C11 SSB / YK 11/17/2023 5'8"13 11' 15'2"12 21'10" 28'5"4 39'10" 43'8" 36' 6'7"4 5'8"13 5'3"3 4'2"12 6'7"4 6'4' 3'10' 3'10" Bracing ∥2<u>X</u>4 Е 3<u>X</u>4 7 12 ≥6X10(SRS) ∥4X8 1112X4 9 5 4'9"



R

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): 0.209 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.432 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.104 M
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.214 M
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: 0.725
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.847
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.989
	Loc. from endwall: not in 13.00 ft		
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

#### Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL В 1914 /-/1152 /58 /251 1808 /-/-/940 /102 /-Wind reactions based on MWFRS Brg Wid = 4.0Min Reg = 2.3 (Truss) Brg Wid = 4.0 Min Req = 2.1 (Truss) Bearings B & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 833 - 3116 - 2674 C-D 1023 - 3311 H - I 983 - 2939

I-J

J - K

485 - 1411

485 - 1410

2186

652 - 1772

- 751

#### Lumbei

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

#### Bracing

(a) Continuous lateral restraint equally spaced on

## **Plating Notes**

All plates are 5X10 except as noted.

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

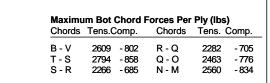
#### Wind

Wind loads based on MWFRS with additional C&C

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

#### **Additional Notes**

The overall height of this truss excluding overhang is



933 - 2690

950 - 2512

950 - 2512

D-E

E-F

F-G

E-R

F-R

#### Maximum Web Forces Per Ply (lbs) Tens.Comp. Webs Tens. Comp. C - V 253 - 506 G - Q 839 - 247 380 2596 - 799 Q - H - 967 H - O T - D 674 - 151 784 - 248 D-S 283 - 845 O - N -832 2528 E-S - 135 I - M 540 - 1779 691

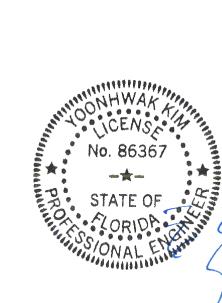
M - K

K-L

- 215

385

334 - 442



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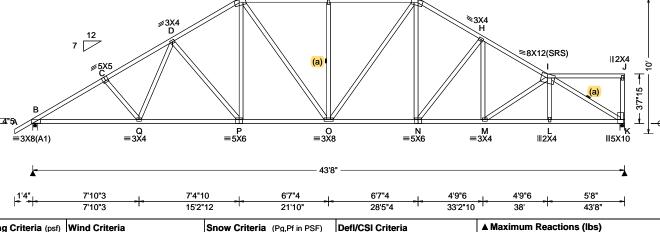
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SEQN: 733322 SPEC Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T22 FROM: CDM Qty: 1 DrwNo: 321.23.1502.00917 Libby Truss Label: C12 SSB / YK 11/17/2023 5'4"10 10'3"11 15'2"12 21'10' 28'5"4 33'2"10 38 43'8" 5'4"10 4'11"1 4'11"1 6'7"4 4'9"6 4'9"6 5'8' Bracing ≅5X10 G ≢5X10 F



Loading	Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs	S)
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): 0.182 F 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.377 F 999 180	B 1914 /- /-	/1148 /52 /253
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.082 K	K 1808 /- /-	/968 /60 /-
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.169 K	Wind reactions based on M	WFRS
NCBCLL:		Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	. •	eq = 2.3 (Truss)
Soffit:	0.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.625	K Brg Wid = 4.0 Min Re	
Load Dura		MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.803	Bearings B & K are a rigid s	
Spacing:			Rep Fac: Yes	Max Web CSI: 0.807	Members not listed have for Maximum Top Chord Ford	
		Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		•	hords Tens.Comp
			Plate Type(s):			
		Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12		- G 854 - 223
1		1	1	ı	<sup>J</sup> C-D 854-2922 G	- H 847 - 241

# Lumber

9'2"15

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 member design.

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

#### **Additional Notes**

The overall height of this truss excluding overhang is

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

B - C 847 - 3115 C-D 854 - 2922 G-H 847 - 2416 D-E 833 - 2413 876 - 2813 H - I 854 - 2232

## Maximum Bot Chord Forces Per Ply (lbs)

Chords	ds Tens.Comp.		hords Tens.Comp. Chords		Chords	Tens. Comp.		
B - Q	2612	- 775	N - M	2351	- 688			
Q-P	2334	- 674	M - L	2693	- 831			
P - O	2016	- 561	L-K	2697	- 828			
O - N	2024	- 572						

#### Maximum Web Forces Per Ply (lbs)

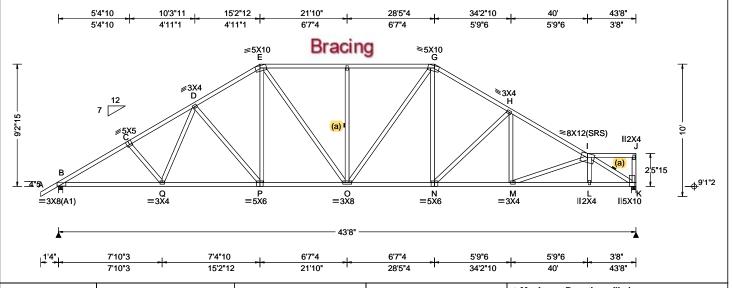
Webs	Tens.Comp.		Webs	Tens.	Comp.
Q-D	397	- 32	G - N	558	- 99
D - P	187	- 498	N - H	198	- 540
E-P	550	- 79	M - I	180	- 407
F-0	329	- 441	I-K	955	- 3118



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SEQN: 733328 SPEC Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T36 FROM: CDM Qty: 1 DrwNo: 321.23.1502.04403 Libby Truss Label: C13 SSB / YK 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	14
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): 0.182 F 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.377 F 999 180	E
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.083 K	ŀ
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.171 K	١
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: 0.618	ľ
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.804	Ľ
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.732	1
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):		] -
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12	E
Lumbor	•			- (

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 member design.

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

#### **Additional Notes**

The overall height of this truss excluding overhang is 9-2-15



	0.0 0.10		0.0	
J C - D	850 - 2922	G-H	835	- 2441
D-E	829 - 2413	H - I	855	- 2922
E-F	849 - 2231			

Non-Gravity

/RL

/255

/-/16

Tens. Comp.

849

/Rw /U

/1145 /48

/998

Min Reg = 2.3 (Truss)

Chords

F-G

## Maximum Bot Chord Forces Per Ply (lbs)

/Rh

/-

Chords	Tens.Comp.		Chords	Tens. Comp.		
B-Q	2612	- 729	N - M	2443	- 666	
Q - P	2334	- 627	M - L	2800	- 810	
P - O	2016	- 514	L-K	2805	- 806	
O - N	2026	- 523				

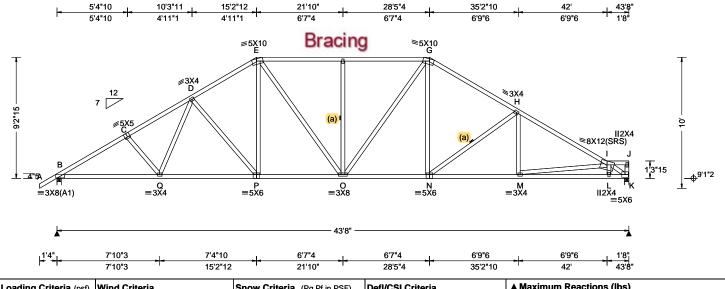
#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		s Tens.Comp. Webs		Webs	Tens. Comp.		
Q-D	397	- 32	G - N	555	-83			
D - P	187	- 498	N - H	206	- 584			
E-P	551	- 79	I-K	934	- 3258			
F - O	329	- 437						

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SEQN: 733325 SPEC Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T21 FROM: CDM Qty: 1 DrwNo: 321.23.1502.07777 Libby Truss Label: C14 SSB / YK 11/17/2023



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): 0.182 F 999 240	١.
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.375 F 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.083 K	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.172 K	
NCBCLL: 10.00	Mean Height: 15.19 ft	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.765	
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.828	
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.632	
- F		FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12	

# 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 member design.

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

#### **Additional Notes**

The overall height of this truss excluding overhang is

l			A IVI	dxIIII	uiii Rea	actions	(ID2)		
loc L	./defl	L/#		(	Gravity		N	Ion-Gra	vity
32 F	999	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
75 F	999	180	В	1913	· /-	/-	/115	4 /45	/259
33 K	-	-	κ	1806	/-	/-	/104	1 /41	/-
72 K	-	-	Win	id rea	ctions b	ased on	MWFRS		
0			В	Brg \	Wid = 4	.0 Mir	n Req = 2	3 (Trus	s)
0.765							n Req = 2		s)
0.828			Bea	ırings	B&Ka	are a rigi	id surface	•	
0.632			Mer	nbers	not list	ed have	forces les	ss than	375#
0.002			Max	cimu	n Top (	Chord F	orces Pe	r Ply (II	os)
			Cho	ords	Tens.Co	omp.	Chords	Tens.	Comp.
00.09	914 1:	,	В-	С	136 -	3114	F-G	56	- 2228

C-D	141 - 2921	G-H	88	- 2462
D-E	95 - 2412	H - I	119	- 3042
E-F	56 - 2228			

Maximum Bot Chord Forces Per Ply (lbs)								
Chords	Tens.Comp.		Chords	Tens. Comp.				
B - Q	2610	-82	N - M	2538	- 21			
Q-P	2333	0	M - L	2874	- 202			
P - O	2015	0	L-K	2880	- 192			
O - N	2028	0						

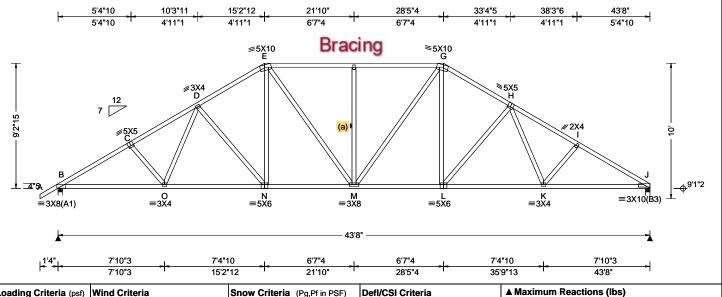
# Maximum Web Forces Per Ply (lbs) Tens.Comp. Tens. Comp.

Q-D 397 G - N 551 -73 D-P 213 - 497 N - H 236 -637 E-P - 94 I-K 225 552 - 3369 F - O 0 - 431





SEQN: 733341 HIPS Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T20 FROM: CDM Qty: 1 DrwNo: 321.23.1502.11270 Libby Truss Label: C15 SSB / YK 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	│ ▲ Maximum Reactions (I	bs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	No
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.179 F 999 240	Loc R+ /R- /Rh	/ Rw
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.369 F 999 180	B 1907 /- /-	/1145
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.079 J	J 1812 /- /-	/1066
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.164 J	Wind reactions based on I	MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	9	Req = 2.2
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.621	' ' ' '	Req = 2.1
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.800	Bearings B & J are a rigid  Members not listed have for	
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.601	Maximum Top Chord Fo	
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		•	Chords
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12		F-G
	•	•	•	C-D 144 - 2909	G-H

#### 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 9-2-15.

Bearings 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 139 - 3102 C - D 144 - 2909 G-H

553 - 94

0 - 440

- 2214 99 - 2401 D-E 99 - 2400 H - I 152 - 2925 62 - 2214 148 - 3120

Brg Wid = 4.0 Min Req = 2.1 (Truss)

Non-Gravity

/RL

/271

/-

Tens. Comp.

/Rw /U

/1145 /45

/1066 /34

Min Reg = 2.2 (Truss)

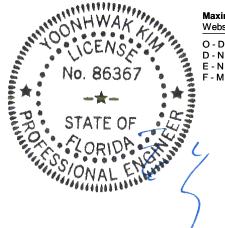
#### Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - O 2600 M - L 0 - 49 2006 O - N 2323 0 L-K 2327 n N - M 2005 0 K-J 2621 - 59

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. 0 - D 397 - 50 G - L 554 - 95 D - N 212 - 498 L-H 214 503

H - K

404

- 59



COA#0-278, Yoonhwak Kim, FL PE #86367 Flotida Conficate of Product Approval #FL 1999

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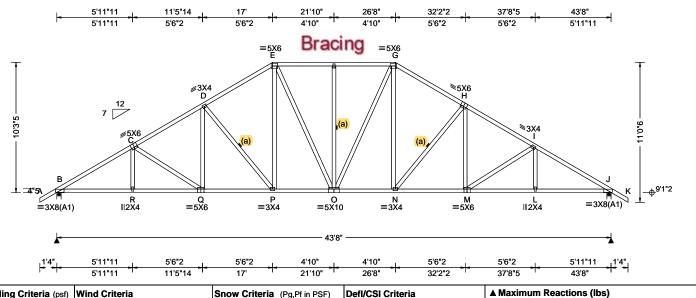
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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 Detailis, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

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

SEQN: 733344 HIPS Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T4 FROM: CDM Qty: 1 DrwNo: 321.23.1502.36627 Libby Truss Label: C16 SSB / YK 11/17/2023



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): 0.171 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.351 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.080 J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.165 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: 0.497
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.833
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.343
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12
Lumban			

#### 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.

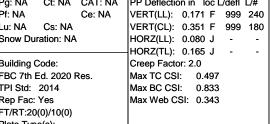
### Wind

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 10-3-5.



Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C C-D

Maximum Bot Chord Forces Per Ply (lbs)

/Rh

/-

Brg Wid = 4.0 Min Req = 2.2 (Truss)

Members not listed have forces less than 375#

Wind reactions based on MWFRS Brg Wid = 4.0

Bearings B & J are a rigid surface.

781 - 3094

786 - 2705

775 - 2261

759 - 1967

Gravity

/R

Loc R+

1906 /-

1906

В

D-E

Chords	Tens.Comp.		Chords	Tens. Comp.		
B-R	2587	- 559	O - N	1873	- 319	
R - Q	2586	- 561	N - M	2253	- 447	
Q-P	2254	- 450	M - L	2587	- 566	
P - O	1873	- 321	L-J	2589	- 565	

Non-Gravity

/RL

/314

/-

Tens. Comp.

775 - 2260

782 - 3095

- 1967

786 - 2705

/Rw /U

/1146 /36

/1146 /36

Min Reg = 2.2 (Truss)

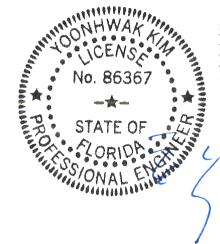
Chords

G-H

H - I

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp	. Webs	Tens.	Comp.
C-Q	141 - 387	7 G-N	580	- 107
Q - D	394 - 26	8 N-H	206	- 608
D - P	207 - 609	H-M	394	- 27
E - P	581 - 108	3 M - I	143	- 390



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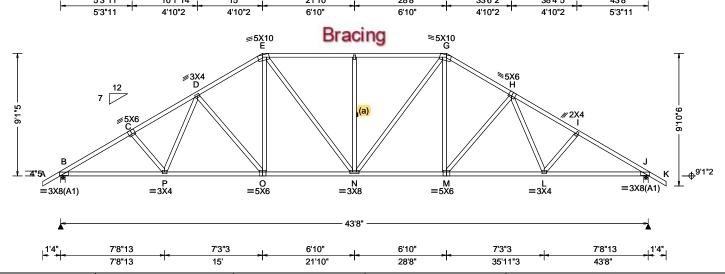
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SEQN: 733347 HIPS Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T16 FROM: CDM Qty: 1 DrwNo: 321.23.1502.40933 Libby Truss Label: C17 SSB / YK 11/17/2023 5'3"11 10'1"14 15' 21'10' 28'8" 33'6"2 38'4"5 43'8"



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	14
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.182 F 999 240	L
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.373 F 999 180 HORZ(LL): 0.080 J	E
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: > 2h C&C Dist a: 4.37 ft Loc. from endwall: not in 13.00 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): 0.164 J Creep Factor: 2.0 Max TC CSI: 0.667 Max BC CSI: 0.803 Max Web CSI: 0.563	JEN
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12	] [

#### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1906 /-/1139 /46 /282 1906 /-/-/1139 /46 /-Wind reactions based on MWFRS В Brg Wid = 4.0Min Reg = 2.2 (Truss) Brg Wid = 4.0 Min Req = 2.2 (Truss) Bearings 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. B - C 843 - 3102 850 - 2249 C - D 850 - 2913 G-H 828 - 2415 D-E 828 - 2415 H - I 850 - 2914

#### 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 member design.

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is 9-1-5.



# Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.comp.		Choras	rens. Comp.	
B - P	2601	- 623	N - M	2020	- 394
P - O	2330	- 522	M - L	2329	- 503
O - N	2020	- 412	L-J	2602	- 607

844 - 3103

#### Maximum Web Forces Per Ply (lbs)

850 - 2249

E-F

Webs	Tens.Comp.		Tens.Comp. Webs		Tens. Comp.		
P-D	387	- 33	G - M	548	- 75		
D - O	184	- 486	M - H	183	- 484		
E - O	548	- 76	H - L	388	- 34		
F-N	338	- 458					

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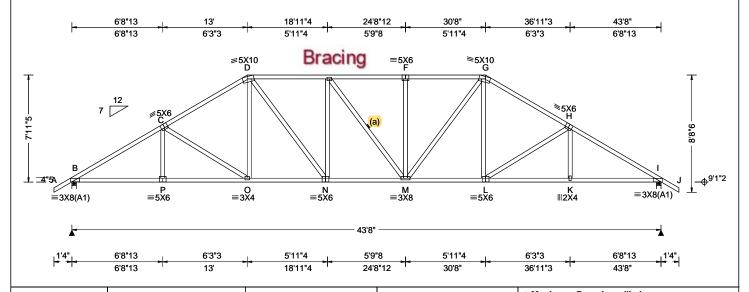
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SEQN: 733350 HIPS Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T15 FROM: CDM Qty: 1 DrwNo: 321.23.1502.45313 Libby Truss Label: C18 SSB / YK 11/17/2023



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/#	ı
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.194 F 999 240	ı
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.398 F 999 180	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.084 I	ı
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.172 I	
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: 0.522	
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.731	
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.526	ı
'	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		l
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12	
Lumban				

#### 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 7-11-5.



#### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1906 /-/1127 /98 /250 1906 /-/1127 /-/98 Wind reactions based on MWFRS Brg Wid = 4.0Min Reg = 2.2 (Truss) Brg Wid = 4.0 Min Req = 2.2 (Truss) Bearings 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 872 - 3078 944 - 2529 C-D 873 - 2599 G-H 873 - 2599 D-E 939 - 2519 H - I 871 - 3079

943 - 2528

E-F

Chords	rens.Comp.		hords lens.Comp. C		Chords	Tens. Comp.		
B - P	2568	- 632	M - L	2157	- 481			
P - O	2566	- 633	L-K	2566	- 615			
O - N	2158	- 499	K-I	2568	- 613			
N - M	2533	- 642						

#### Maximum Web Forces Per Ply (lbs)

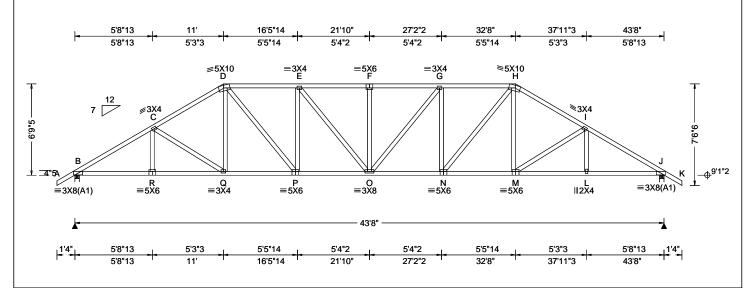
Webs	Tens.Co	omp.	Webs	Tens. (	Comp.
C-0	172		M-G		- 264
D - O	449	- 35	G-L	449	- 36
D - N	598	- 260	L-H	171	- 487



COA#0-278, Yoonhwak Kim, FL PE #86367 Flotida Conficate of Product Approval #FL 1999



SEQN: 733353 HIPS Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T19 FROM: CDM Qty: 1 Libby DrwNo: 321.23.1502.48737 Truss Label: C19 SSB / YK 11/17/2023



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): 0.233 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.479 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.089 J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.182 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: 0.509
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.846
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.457
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12
		L.	

# 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 6-9-5.

Snow Criteria (Pg,Pf in PS	SF) Defl/CSI Criteria
Pg: NA Ct: NA CAT:	NA PP Deflection in loc L/defl L/#
Pf: NA Ce: N	A VERT(LL): 0.233 F 999 240
Lu: NA Cs: NA	VERT(CL): 0.479 F 999 180
Snow Duration: NA	HORZ(LL): 0.089 J
	HORZ(TL): 0.182 J
Building Code:	Creep Factor: 2.0
FBC 7th Ed. 2020 Res.	Max TC CSI: 0.509
TPI Std: 2014	Max BC CSI: 0.846
Rep Fac: Yes	Max Web CSI: 0.457
FT/RT:20(0)/10(0)	
Plate Type(s):	
WAVE	VIEW Ver: 22.02.00.0914.12

			(	,		
	G	ravity		No	n-Grav	rity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
В	1906	/-	/-	/1113	/112	/217
J	1906	/-	/-	/1113	/112	/-
Win	d reac	tions bas	sed on	MWFRS		
В	Brg W	/id = 4.0	Min	Req = 2.2	(Truss	s)
J					(Truss	s)
-						-
		•				•
Cho	rds T	ens.Con	ıp.	Chords	Tens.	Comp.
B - 0	2	915 - 30	)99	F-G	1073	- 3029
				G-H	1045	- 2834
D - E	<b>=</b>	1045 - 28	334	H-I	929	- 2729
E - F	=	1073 - 30	)29	I - J	914	- 3099
	B J Wind B J Bea Men Max Cho C - I D - I	Loc R+  B 1906 J 1906 Wind reac B Brg W J Bearings B Members Maximum Chords T  B - C C - D D - E	B 1906 /- J 1906 /- Wind reactions bas B Brg Wid = 4.0 J Brg Wid = 4.0 J Bearings B & J are Members not listed Maximum Top Ch Chords Tens.Con B - C 915 - 30 C - D 928 - 27 D - E 1045 - 28	Loc   R+	Loc   R+	Loc         R+         /R-         /Rh         /Rw         /U           B         1906         /-         /-         /1113         /112           J         1906         /-         /-         /1113         /112           Wind reactions based on MWFRS         B         Brg Wid = 4.0         Min Req = 2.2 (Truss           J         Brg Wid = 4.0         Min Req = 2.2 (Truss           Bearings B & J are a rigid surface.           Members not listed have forces less than 3           Maximum Top Chord Forces Per Ply (lbs           Chords         Tens. Comp.         Chords         Tens.           B - C         915 - 3099         F - G         1073           C - D         928 - 2729         G - H         1045           D - E         1045 - 2834         H - I         929

▲ Maximum Reactions (lbs)

### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		ens.Comp. Chords		Tens. Comp.	
B-R	2594	- 680	O - N	2859	-777	
R - Q	2592	- 681	N - M	2286	- 565	
Q-P	2287	- 583	M - L	2592	- 663	
P - O	2859	- 795	L-J	2594	-662	

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	omp.	Webs	Tens. (	Comp.
D-Q	378	- 24	G - N	320	- 559
D - P	859	- 344	N - H	860	- 343
P-E	320	- 559	H - M	376	- 25



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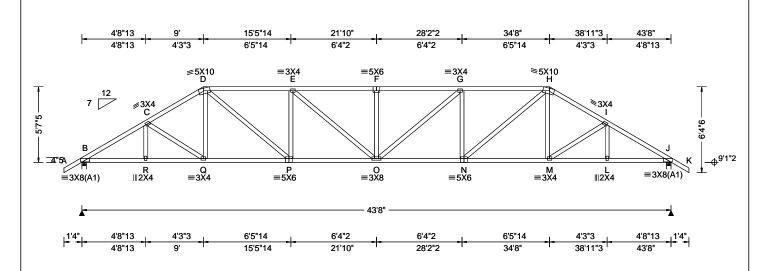
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SEQN: 733356 HIPS Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T30 FROM: CDM Qty: 1 DrwNo: 321.23.1502.52080 Libby Truss Label: C20 SSB / YK 11/17/2023



Loading	Criteria (psf)	Wind Criteria	Snow Cr	<b>iteria</b> (Pg	,Pf in PSF)	Defl/CSI Cri	teria		
TCLL:	20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflectio	n in loc L	./defl	L/#
TCDL:	10.00	Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL):	0.300 F	999	240
BCLL:	0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL):	0.617 F	844	180
BCDL:	10.00	Risk Category: II	Snow Du	ration: NA		HORZ(LL):	0.095 J	-	-
Des Ld:	40.00	EXP: C Kzt: NA				HORZ(TL):	0.196 J	-	-
NCBCLL	.: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building (	Code:		Creep Facto	r: 2.0		
Soffit:	2.00	BCDL: 5.0 psf	FBC 7th I	Ed. 2020 F	Res.	Max TC CSI	0.753		
Load Du	ration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std:	2014		Max BC CSI	0.830		
Spacing:	24.0 "	C&C Dist a: 4.37 ft	Rep Fac:	Yes		Max Web CS	SI: 0.588		
		Loc. from endwall: not in 13.00 ft	FT/RT:20	(0)/10(0)					
		GCpi: 0.18	Plate Typ	e(s):					
		Wind Duration: 1.60	WAVE			VIEW Ver: 2	2.02.00.0	914.12	2

#### Lumber

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

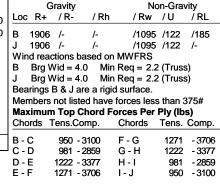
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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 Reactions (lbs)

## Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	2600 - 719	O - N	3414 - 1003
R - Q	2600 - 720	N - M	2423 - 653
Q-P	2423 - 671	M - L	2600 - 703
P - O	3414 - 1021	L - J	2600 - 701

#### Maximum Web Forces Per Ply (lbs)

Webs	ebs Tens.Comp.		Tens. Comp.		
D-P	1243 - 459	0 - G	385 -	166	
P - E	362 - 672	G - N	362 -	672	
E - O	385 - 166	N - H	1243 -	159	



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SEQN: 469898 SPEC Ply: 2 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T17 Qty: 1 FROM: CDM DrwNo: 321.23.1502.57413 Libby Page 1 of 2 Truss Label: C21 SSB / YK 11/17/2023 2 Complete Trusses Required 13'8"14 20'4" 26'11"2 35'2 1'6" 39'2"3 43'8" 33'8" 6'8"14 6'7"2 6'7"2 6'8"14 4'0"3 4'5"13 **IIISS1012 ≢SS1012** T4 H =4X6 D **SS**1012 =7X6 ≡5X10 F T2 Т3 G **≷3X4** 4'5"5 =7X6(C9) =7X6(C9) W2 W٨ P ≡3X8 R ∥2X10 Q ≡H1014 O ≡SS0712 ∥2X4 =H0308(C9) 43'8" 4'0"3 6'8"14 6'7"2 6'8"14 4'5"13 6'7"2 35'2" 13'8"14 20'4' 26'11"2 33'8' 39'2"3 43'8" Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Non-Gravity Wind Std: ASCE 7-16 Pg: NA Ct: NA CAT: NA Gravity TCLL: 20.00 PP Deflection in loc L/defl L/# Loc R+ /R /Rh /Rw /U /RL Speed: 130 mph TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.328 E 999 240 Enclosure: Closed Lu: NA VERT(CL): 0.661 E BCII: 0.00 Cs: NA 787 180 В 4548 /-/950 /-Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.072 J 3771 /-/-/-/713 EXP: C Kzt: NA Wind reactions based on MWFRS HORZ(TL): 0.145 J Des Ld: 40.00 Mean Height: 15.00 ft Brg Wid = 4.0Min Reg = 1.9 (Truss) В **Building Code:** Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Brg Wid = 4.0 Min Req = 1.6 (Truss) FBC 7th Ed. 2020 Res. Max TC CSI: 0.289 Soffit: 2.00 BCDL: 5.0 psf Bearings B & J are a rigid surface. TPI Std: 2014 Max BC CSI: 0.430 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Members not listed have forces less than 375# Rep Fac: Varies by Ld Case Max Web CSI: 0.744 Spacing: 24.0 ' C&C Dist a: 4.37 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 13.00 ft Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 B - C 875 - 4170 747 - 4009 VIEW Ver: 22.02.00.0914.12 Wind Duration: 1.60 WAVE, 18SS, HS C - D 1179 - 5629 G-H 877 - 4689 Lumber **Plating Notes** D-E 1318 - 6518 H - I 631 - 3349 Top chord: 2x4 SP M-31; T2,T3 2x6 SP 2400f-2.0E; (I) - plates so marked were sized using 0% Fabrication 1189 - 6290 624 - 3347 Tolerance, 0 degrees Rotational Tolerance, and/or T4 2x6 SP #2: Bot chord: 2x6 SP 2400f-2.0E; zero Positioning Tolerance. Maximum Bot Chord Forces Per Ply (lbs) Webs: 2x4 SP #3; W2,W8,W10 2x4 SP M-31; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3; Chords Tens.Comp. Chords Tens. Comp. B - R 3567 - 742 O - N 6214 - 1179 Nailnote 3580 - 740 R - Q N - M 2883 - 538 Nail Schedule:0.131"x3", min. nails Q-P 5700 - 1201 M - L 2860 - 530 Top Chord: 1 Row @12.00" o.c. P - O 6536 - 1327 I - J2858 - 528 Bot Chord: 1 Row @12.00" o.c. Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting. Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C-Q 2396 - 513 F-N 508 - 2592 **Special Loads** Q-D N - G 455 308 - 997 - 2351 --(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) D-P 967 - 139 N-H 3786 - 705 TC: From 63 plf at -1.33 to 63 plf at 7 00 0 - F - 132 1040 TC: From 32 plf at 7.00 to 26.54 to 32 plf at 26.54 TC: From 45.00 63 plf at 63 plf at BC: From 5 plf at -1.33 to 5 plf at 0.00

BC: From 20 plf at 0.00 to 20 plf at 7.03 BC: From 10 plf at 7.03 to 10 plf at 26.93 BC: From BC: From 26.93 to 20 plf at 20 plf at 43 67 5 plf at 43.67 to 45 00 5 plf at TC: 443 lb Conc. Load at 7.03 191 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06 BC: 510 lb Conc. Load at 7.03 BC: 130 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06 BC: 1479 lb Conc. Load at 26.54



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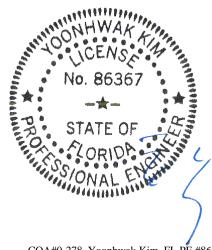
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SEQN: 469898 SPEC Ply: 2 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T17 FROM: CDM DrwNo: 321.23.1502.57413 Qty: 1 Libby Page 2 of 2 Truss Label: C21 SSB / YK 11/17/2023

### **Additional Notes**

The overall height of this truss excluding overhang is 5-3-13.



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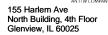
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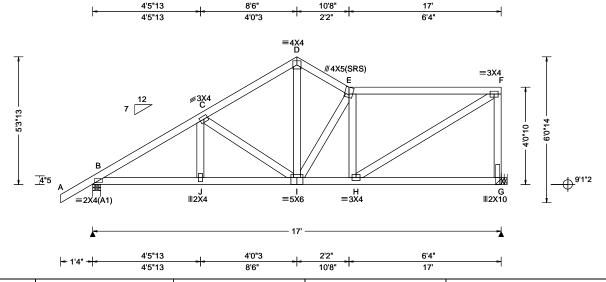
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SEQN: 733378 COMN Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T53 FROM: CDM DrwNo: 321.23.1502.59977 Qty: 1 Libby Truss Label: D01 SSB / YK 11/17/2023



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/#		
1.0220.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.026 E 999 240		
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.054 E 999 180		
10.00 I	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 C		
Dec  d: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.019 C		
INCECTT 40 00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		
0.40	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.622		
	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.411		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.395		
	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: 22.02.00.0914.12		

#### Lumber

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

### Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=16'9" use support conditions: 16'9" Bearing G (16'9", 9'1"2) LUS26 uses the following

Supporting Member: (2)2x6 SP 2400f-2.0E (4) 0.148"x3" nails into supporting

member. (3) 0.148"x3" nails into supported member.

#### **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.

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

The overall height of this truss excluding overhang is 5-3-13

#### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 713 /427 /127 /-/379 /-701 /92 Wind reactions based on MWFRS Brg Wid = 4.0Min Reg = 1.5 (Truss) Brg Wid = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 300 - 1089 E-F - 764 369

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.	Chords	Tens. Comp.		
B-J	887 - 338	I-H	792 - 390		

885 - 339

307 - 385

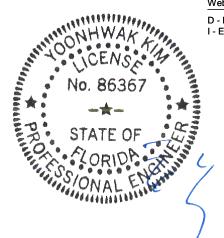
J - I

#### Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs D - I 882 575 - 313 H - F -419

F-G

442

- 646



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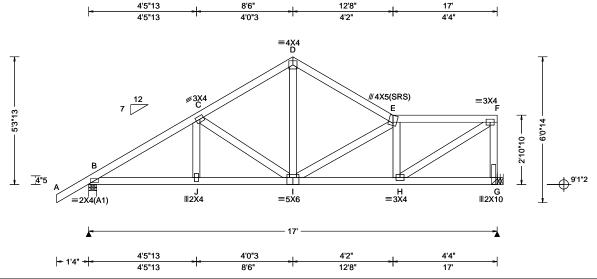
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SEQN: 733381 COMN Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T54 FROM: CDM DrwNo: 321.23.1503.02740 Qty: 1 Libby Truss Label: D02 SSB / YK 11/17/2023

8'6"



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): 0.026 I 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.053 I 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 C
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.018 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: 0.273
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.262
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.381
	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: 22.02.00.0914.12
Lumber		Wind	

#### Lumber

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

### Hangers / Ties

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Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=16'9" use support conditions: 16'9" Bearing G (16'9", 9'1"2) LUS26 uses the following

Supporting Member: (2)2x6 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting member.

(3) 0.148"x3" nails into supported member.

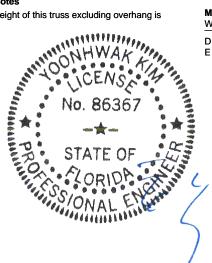
#### **Purlins**

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

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

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

The overall height of this truss excluding overhang is 5-3-13



# ▲ Maximum Reactions (lbs)

▲ Waxiiiuiii Reactions (ibs)						
	Gravity Non-Gravity					
Loc R+	· /R-	/ Rh	/ Rw	/ U	/ RL	
B 808	/-	/-	/495	/19	/142	
G 696	/-	/-	/364	/56	/-	
Wind re	actions b	ased on	MWFRS			
B Brg	Wid = 4	.0 Min	Req = 1.5	(Truss	<b>)</b>	
G Brg	Wid = -	Min	Req = -			
Bearing	B is a rig	jid surfac	e.			
Member	s not list	ed have f	orces les	s than 3	75#	
Maximum Top Chord Forces Per Ply (lbs)						
Chords	Tens.Co	omp.	Chords	Tens.	Ćomp.	
B-C	243 -	1059	D-E	251	- 766	
C-D	-		E-F	314	- 850	

## Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
B-J	855 - 242	I-H	901 - 341	
J - I	854 - 244			

#### Maximum Web Forces Per Ply (lbs)

Vebs	Tens.Comp.	Webs	Ťens. (	Comp.
) - I	448 - 141	H-F	1000	- 364
- H	250 - 457	F-G	348	- 659

COA#0-278, Yoonhwak Kim, FL PE #86367 Flotida Co2fficate of Product Approval #FL 1999

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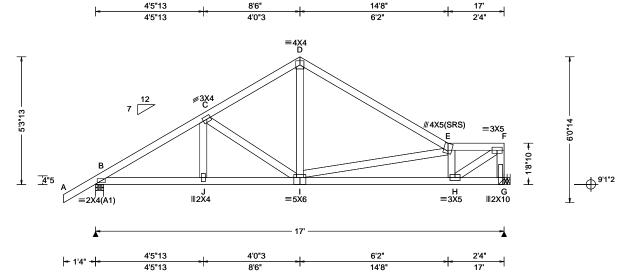
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 733384 COMN Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T44 FROM: CDM DrwNo: 321.23.1503.06620 Qty: 1 Libby Truss Label: D03 SSB / YK 11/17/2023



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/#		
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.026 I 999 240		
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.053 I 999 180		
10.00 I	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 G		
Dec 1 4: 40 00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.023 G		
NODOLL, 40 00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		
0 - 40:4	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.449		
	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.436		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.446		
	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: 22.02.00.0914.12		

#### Lumber

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

### Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=16'9" use support conditions: 16'9" Bearing G (16'9", 9'1"2) LUS26 uses the following

Supporting Member: (2)2x6 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting

member.

(3) 0.148"x3" nails into supported member.

#### **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.

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

The overall height of this truss excluding overhang is 5-3-13



#### ▲ Maximum Reactions (lbs) Gravity

l	_	Jiavity		140	)II OIG	vity
Loc	c R+	/ R-	/ Rh	/ Rw	/U	/ RL
В			/-	/489	/12	/142
G	696	/-	/-	/370	/23	/-
			ased on N	/WFRS		
В	Brg V	Vid = 4	.0 Min F	Req = 1.5	(Trus	s)
G	Brg V	Vid = -	Min F	Req = -		
_						

Non-Gravity

Bearing B is a rigid surface.

Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords

215 - 1052 200 215 - 775 E-F - 963

## Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.	Cnoras	Tens. C	omp.
B-J	847 - 173	I-H	1082	- 311
J - I	845 - 174			

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Co	mp.	Webs	Tens. (	Comp.
D - I	427	- 54	H - F	1172	- 315
I-E	225 -	467	F-G	233	- 689
E - H	251 -	591			

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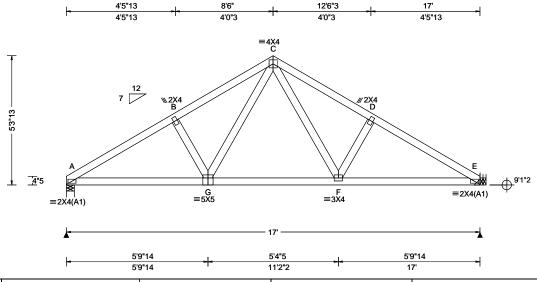
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SEQN: 733387 COMN Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T29 FROM: CDM Qty: 1 DrwNo: 321.23.1503.10520 Libby Truss Label: D04 SSB / YK 11/17/2023



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/#	l
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.023 F 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.047 F 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 E	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.020 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: 0.177	
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.339	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.139	
_	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		ļ
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12	
Lumber	-	Additional Notes		•

The overall height of this truss excluding overhang is 5-3-13

▲ Maximum Reactions (IDS)							
	Gravity Non-Gravity						
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
A 708	/-	/-	/407	/-	/127		
E 706	/-	/-	/406	/-	/-		
Wind rea	actions b	ased on I	MWFRS				
A Brg	Wid = 4	.0 Min	Req = 1.5	(Trus	s)		
E Brg	Wid = -	Min	Req = -	-	•		
Bearing	A is a rig	id surfac	e.				
Member	Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)							
Chords	Tens.Co	omp.	Chords	Tens.	Ćomp.		
A - B	226 -	1067	C - D	255	- 950		
B-C	-		D-E	227	- 1070		

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.C	Comp.	Chords	Tens. (	Comp.
A - G	871	- 138	F-E	875	- 138
G-F	591	- 36			

### Hangers / Ties

Top chord: 2x4 SP #2;

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

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

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Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=16'9" use support conditions: 16'9" Bearing E (16'9", 9'1"2) LUS26 uses the following

Supporting Member: (2)2x6 SP 2400f-2.0E

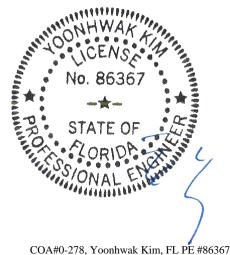
(4) 0.148"x3" nails into supporting member.

(3) 0.148"x3" nails into supported member.

#### Wind

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

Wind loading based on both gable and hip roof types.



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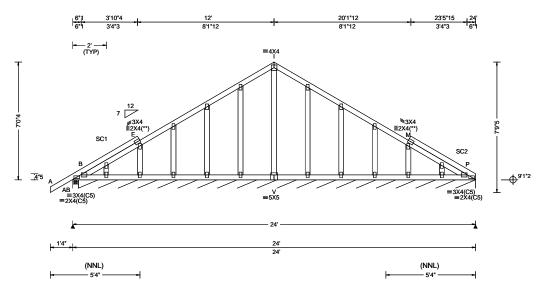
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SEQN: 733373 GABL Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T45 FROM: CDM Qty: 1 DrwNo: 321.23.1503.13200 Libby Truss Label: G01 SSB / YK 11/17/2023



Loading Criteria (psf) Wind Criteria S	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 Wind Std: ASCE 7-16 P TCDL: 10.00 Speed: 130 mph P BCLL: 0.00 Enclosure: Closed Li BCDL: 10.00 Ext: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf Specing: 24.0 "  Wind Std: ASCE 7-16 P Speed: 130 mph P Enclosure: Closed Li SXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf SCDL: 5.0 psf SCCD: 5.0 psf SCC	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. FPI Std: 2014	Def/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.001 l 999 240 VERT(CL): 0.001 H 999 180 HORZ(LL): 0.003 M HORZ(TL): 0.003 M Creep Factor: 2.0 Max TC CSI: 0.246 Max BC CSI: 0.034 Max Web CSI: 0.088  VIEW Ver: 22.02.00.0914.12

▲ M	▲ Maximum Reactions (lbs), or *=PLF						
	Gravity Non-Gravity						
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
АВ	279	/-	/-	/147	/35	/201	
P*	76	/-	/-	/41	/13	/-	
Win	d read	ctions b	ased on M	<b>IWFRS</b>			
AB	Brg V	Vid = 4.	0 Min R	eq = 1.5	(Trus	s)	
Р	Brg V	Vid = 28	33 Min R	eq = -			
Bearings AB & B are a rigid surface.							
Mer	Members not listed have forces less than 375#						

#### Lumber

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

Stack Chord: SC2 2x4 SP #2;

### **Plating Notes**

All plates are 2X4 except as noted.

(\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements

#### Wind

Wind loads based on MWFRS with additional C&C

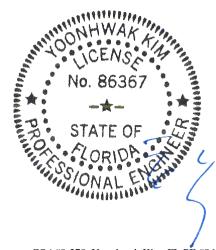
Wind loading based on both gable and hip roof types.

### **Additional Notes**

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

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

The overall height of this truss excluding overhang is



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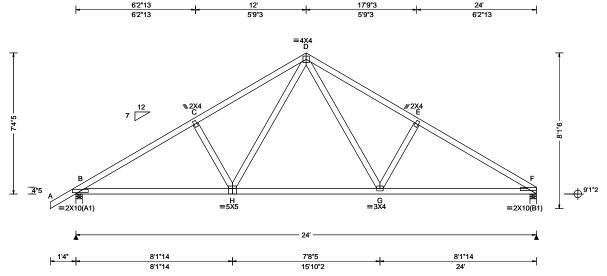
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155 Harlem Ave

North Building, 4th Floor Glenview, IL 60025

SEQN: 733370 COMN Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T40 FROM: CDM Libby Qty: 2 DrwNo: 321.23.1503.16510 Truss Label: G02 SSB / YK 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 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 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): 0.056 H 999 240 VERT(CL): 0.109 H 999 180 HORZ(LL): 0.024 F HORZ(TL): 0.046 F Creep Factor: 2.0 Max TC CSI: 0.379 Max BC CSI: 0.653 Max Web CSI: 0.233  VIEW Ver: 22.02.00.0914.12	
Lumber				,

	<b>▲</b> M	aximu	ım Rea	ctions	(lbs)		
		G	ravity		N	on-Grav	vity
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	_	1158		/-		/187	
	F	1062	/-	/-	/574	/162	/-
	Win	d read	tions b	ased or	MWFRS		
	В	Brg V	Vid = 4.	0 Mir	n Req = 1.5	5 (Truss	s)
	F	Brg V	Vid = 4.	0 Mir	n Req = 1.5	5 (Truss	s)
	Bea	rings I	B&Fa	re a rigi	id surface.	•	•
	Men	nbers	not liste	ed have	forces les	s than 3	375#
	Max	imun	Top C	hord F	orces Per	Ply (lb	s)
	Cho	rds 1	ens.Co	mp.	Chords	Tens.	Ćomp.
	B - 0	С	467 -	1670	D-E	519	- 1508
	ا ـ م ا	-	508 -		F - F	478	- 1682

### Lumber

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

#### Loading

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

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

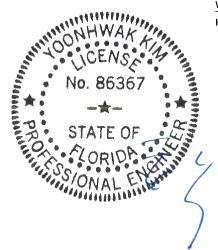
The overall height of this truss excluding overhang is



Cilolus	i ciis.c	onip.	Cilolus	rens. comp.		
			G-F	1380	- 320	

## Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (	Jomp.
H - D	592 - 169	D-G	612	- 179



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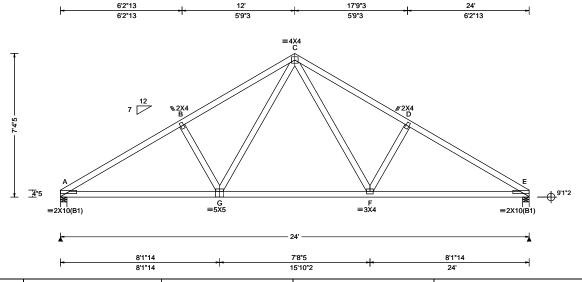
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 733367 COMN Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T46 FROM: CDM Qty: 4 DrwNo: 321.23.1503.19353 Libby Truss Label: G03 SSB / YK 11/17/2023



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 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): 0.055 F 999 240 VERT(CL): 0.107 F 999 180 HORZ(LL): 0.024 E HORZ(TL): 0.046 E Creep Factor: 2.0 Max TC CSI: 0.381 Max BC CSI: 0.647 Max Web CSI: 0.233
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12

▲ Ma	▲ Maximum Reactions (lbs)						
	G	ravity		No	n-Grav	/ity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Α .	1065	/-	/-	/574	/163	/180	
E	1065	/-	/-	/574	/163	/-	
Wind	d read	tions bas	sed on M	WFRS			
Α	Brg W	/id = 4.0	Min R	eq = 1.5	(Truss	s)	
Е	Brg W	/id = 4.0	Min R	eq = 1.5	(Truss	s)	
Bear	rings /	A & E are	a rigid s	surface.	•		
Mem	bers	not listed	have fo	rces less	than 3	375#	
Max	Maximum Top Chord Forces Per Ply (lbs)						
Cho	rds T	ens.Con	np. C	hords	Tens.	Comp.	
A - E	3	314 - 16	87 C	- D	353	- 1513	
B - C		353 - 15		) - E	314	- 1688	

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

#### Loading

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

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)

0110100	rono.comp.		onorao		rono. Comp.		
A - G	1384	- 192	F-E	1385	- 192		
G-F	932	- 41					

### Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp.		Webs	Tens. Comp.	
G C	609 114	C E	611 112	_



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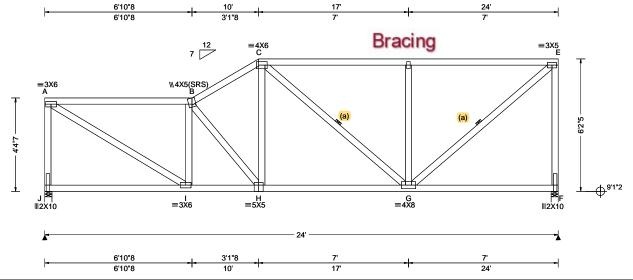
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 733364 COMN Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T50 FROM: CDM Libby DrwNo: 321.23.1503.21700 Qty: 1 Truss Label: G04 SSB / YK 11/17/2023



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): 0.048 H 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.100 H 999 180	IJ
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.014 A	F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.030 A	١
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	J
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.952	F
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.589	E
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.844	N
, -	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Ι"
	GCpi: 0.18	Plate Type(s):		<b>↓</b> `
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12	1
Lumber		•		<u>ا</u> 5

	▲ Maximum Reactions (lbs)							
		Gravity	•	No	on-Grav	/ity		
	Loc R-	+ /R-	/ Rh	/ Rw	/ U	/ RL		
	J 998	3 /-	/-	/518	/167	/63		
	F 998	3 /-	/-	/514	/196	/-		
	Wind re	actions b	ased on I	MWFRS				
	J Bro	Wid = 4	.0 Min	Reg = 1.5	(Truss	s)		
	F Bro	Wid = 4	.0 Min	Req = 1.5	(Truss	s)		
			re a rigid		•	•		
	Membe	rs not list	ed have f	orces less	s than 3	375#		
	Maximum Top Chord Forces Per Ply (lbs)							
				Chords		•		
_	A - B	641 -	1218	C-D	560	- 915		
	B-C	673 -	-	Ď-Ē	560	- 915		

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

### Wind

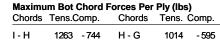
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

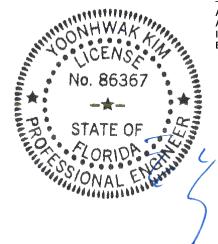
### **Additional Notes**

The overall height of this truss excluding overhang is 6-2-5



# Maximum Web Forces Per Ply (lbs)

.Comp.	webs	rens. (	Jonnp.
3 - 941	C - H	415	- 163
2 - 753	D-G	532	- 524
1 - 641	G-E	1197	- 733
6 - 408	E-F	651	- 943
	3 - 941 2 - 753 1 - 641 6 - 408	3 - 941 C - H 2 - 753 D - G 1 - 641 G - E	3 -941 C-H 415 2 -753 D-G 532 1 -641 G-E 1197



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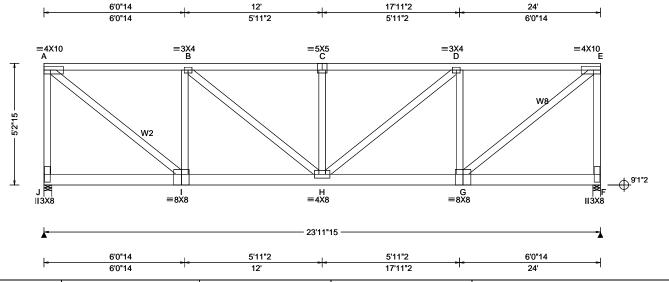
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SEQN: 733361 FLAT Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T49 FROM: CDM Qty: 1 DrwNo: 321.23.1503.38777 Libby Truss Label: G05 SSB / 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code:	PP Deflection in loc L/defl L/# VERT(LL): 0.115 C 999 240 VERT(CL): 0.229 C 999 180 HORZ(LL): 0.035 A HORZ(TL): 0.070 A Creep Factor: 2.0	- 1
l	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	FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max TC CSI: 0.707 Max BC CSI: 0.953 Max Web CSI: 0.968 VIEW Ver: 22.02.00.0914.12	F   E   N   C   A
Lumber	1	-	-	- 1

▲ Maximum Reactions (lbs)						
	G	ravity	Non-Gravity			
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
J	2342	/-	/-	/-	/396	/-
F :	2378	/-	/-	/-	/399	/-
Win	d read	tions bas	sed on M	WFRS		
J	Brg W	/id = 4.0	Min R	eq = 2.8	(Truss	s)
F	Brg W	/id = 3.9	Min R	eq = 2.8	(Truss	s)
Bea	rings .	J & F are	a rigid s	urface.	`	•
	_		have fo		than 3	375#
Max	Maximum Top Chord Forces Per Ply (lbs)					
Chords Tens.Comp. Chords Tens. Comp.						•
A - E	3	402 - 24	102 C	: - D	527	- 3153
B - 0	5	527 - 31	-	) - E	402	- 2406

Top chord: 2x4 SP #2; Bot chord: 2x6 SP #2;

Webs: 2x4 SP #3; W2,W8 2x4 SP #2;

#### **Special Loads**

(Lumber	Dur.Fac.=1.	25 / Plate [	Our.Fac.=1.2	25)	
TC: From	60 plf at	0.00 to	60 plf at	2.40	
TC: From	30 plf at	2.40 to	30 plf at	24.00	
BC: From	20 plf at	0.00 to	20 plf at	2.40	
BC: From	10 plf at	2.40 to	10 plf at	24.00	
BC: 333 lb Conc. Load at 2.40, 4.40, 6.40, 8.40					
10 40 12 40					

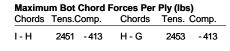
#### **Purlins**

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

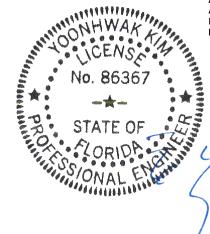
Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure.

### **Additional Notes**

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is 5-2-15.



#### Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Ťens. Comp. 915 A - J 385 - 2104 H-D - 149 D-G 3108 - 520 185 - 799 A - I I-B 194 - 822 G-E 3113 - 520 B - H 918 - 149 E-F 362 - 2052



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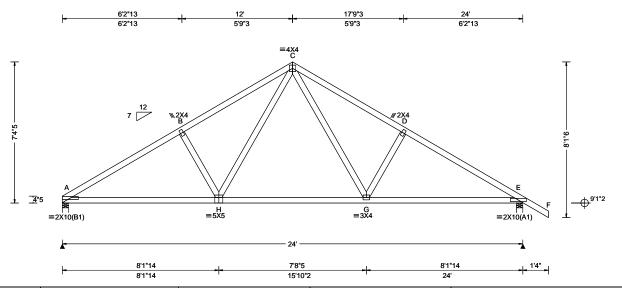
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SEQN: 733401 COMN Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T47 FROM: CDM Libby Qty: 1 DrwNo: 321.23.1455.42703 Truss Label: H01 SSB / YK 11/17/2023



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.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.046 G 999 240	Ŀ
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.095 G 999 180	Α
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.020 E	E
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.041 E	W
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	A
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.399	E B
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.635	ľ
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.202	M
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		C
	GCpi: 0.18	Plate Type(s):		-
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12	J A B
Lumber				ь

▲ Maximum Reactions (lbs)						
	Gı	ravity	N	Non-Gravity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
A 9	95	/-	/-	/574	/-	/205
E 1	091	/-	/-	/650	/9	/-
Wind	reac	tions ba	sed on	<b>MWFRS</b>		
A E	3rg W	id = 4.0	Min	Reg = 1.	5 (Trus	ss)
E	3rg W	id = 4.0	Min	Req = 1.	5 (Trus	ss)
				d surface.		,
	_		_	forces les		375#
Maximum Top Chord Forces Per Ply (lbs)						
Chord	ds T	ens.Cor	np.	Chords	Tens.	. Ćomp.
А-В		312 - 1	537	C-D	346	- 1352
B-C		351 - 1		D-F	307	

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**

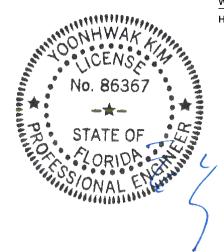
The overall height of this truss excluding overhang is

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

A - H 1257 - 162 G - E 1245 - 155 H - G 839 - 10

### Maximum Web Forces Per Ply (lbs)

Tens. Comp. Webs Tens.Comp. Webs H-C C-G 529 - 115 513 - 106



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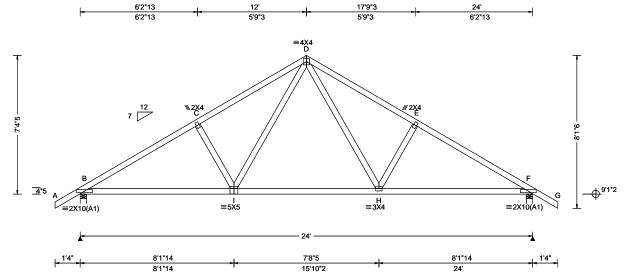
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SEQN: 733398 COMN Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T48 FROM: CDM Libby Qty: 12 DrwNo: 321.23.1455.46367 Truss Label: H02 SSB / YK 11/17/2023



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): 0.057 H 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.109 H 999 180	E
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.024 F	F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.046 F	٧
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: 0.355	F
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.649	E
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.227	N
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):		]
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12	E
Lumber				٠ ر

▲ Ma	axim	um Rea	ctions	(lbs)			
	G	avity			Ion-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	1155	/-	/-	/650	/8	/220	
F	1155	/-	/-	/650	/8	/-	
Win	d read	ctions b	ased or	n MWFRS			
В	Brg V	Vid = 4	.0 Mir	Req = 1	.5 (Trus	s)	
F	Brg V	Vid = 4.	.0 Mir	n Reg = 1.	.5 (Trus	s)	
Bea	rings	B&Fa	re a rig	id surface.		•	
Men	nbers	not list	ed have	forces les	ss than	375#	
Max	imun	n Top (	Chord F	orces Pe	r Ply (lk	os)	
Cho	rds 7	Tens.Co	omp.	Chords	Tens.	Ćomp.	_
B - 0	:	302 -	1665	D-F	341	- 1491	
C-i	5			Ē-F			
	Loc B F Wind B F Beal Men Max Cho	B 1155 F 1155 Wind read B Brg V F Brg V Bearings Members Maximum	Cravity   Loc   R+   / R-	Caravity	Loc   R+   / R-   / Rh   / Rw	Non-Gra   Loc   R+   /R-   /Rh   /Rw   /U	Non-Gravity

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

#### Loading

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

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

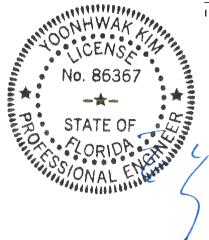
The overall height of this truss excluding overhang is

# Maximum Bot Chord Forces Per Ply (lbs)

Juoras	rens.c	omp.	Choras	rens. (	Jomp.	
3 - I	1361	- 146	H-F	1362	- 151	
- H	921	-6				

## Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	vvebs	rens. (	omp.
I - D	503 - 108	D-H	596	- 107



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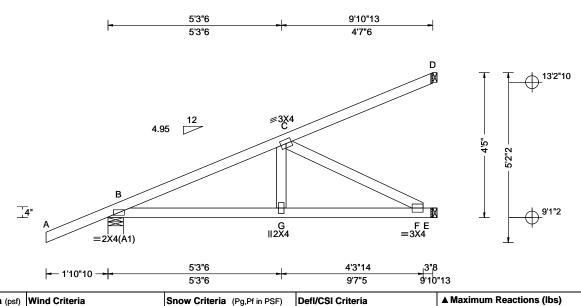
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SEQN: 733260 HIP\_ Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T35 FROM: CDM Qty: 3 DrwNo: 321.23.1455.50970 Libby Truss Label: HJ01 SSB / YK 11/17/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
J	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: NA 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: No FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.019 G 999 240 VERT(CL): 0.038 G 999 180 HORZ(LL): 0.005 F HORZ(TL): 0.010 F Creep Factor: 2.0 Max TC CSI: 0.613 Max BC CSI: 0.519 Max Web CSI: 0.327
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

Gravity Non-Gravity Loc R+ /Rh /Rw /U В 444 Е 380 /-/10

/-/-/-251 /93 Wind reactions based on MWFRS Brg Wid = 5.7 Min Req = 1.5 (Truss)

/RL

Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing B is a rigid surface.

Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

B - C 111 - 680

## Loading

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

Hipjack supports 7-0-0 setback jacks with no webs.

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

The overall height of this truss excluding overhang is 4-5-0.

# Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp. B - G 606 G-F 600 - 98

#### Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. C-F 111 - 679



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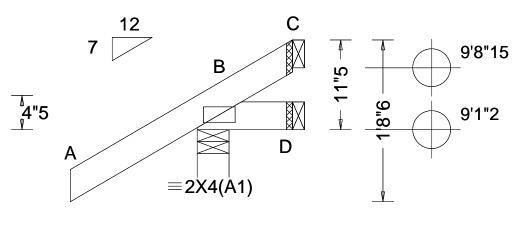
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 733250 / JACK Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T26 / FROM: CDM Qty: 6 DrwNo: 320.23.1453.32319 Libby Truss Label: J01 KD / DF 11/16/2023





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): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	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	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.001 B Creep Factor: 2.0  Max TC CSI: 0.186  Max BC CSI: 0.027  Max Web CSI: 0.000
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12
	•	•	

#### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 225 /-/179 /41 D /-11 /-/13 /12 /-7 /-/-40 /28 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 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;

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 0-11-5.



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\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

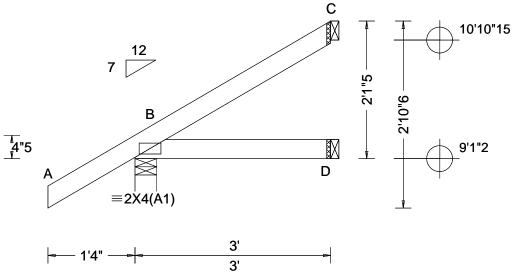
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SEQN: 733252 / JACK Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T25 / FROM: CDM DrwNo: 320.23.1453.32637 Qty: 6 Libby Truss Label: J02 KD / DF 11/16/2023



FXP· C Kzt· NA	Ct: NA CAT: NA Ce: NA Ce: NA VERT(LL): NA VERT(CL): NA
Des Ld: 40.00   Mean Height: 15.00 ft   Buildi	Uration: NA HORZ(LL): 0.001 B HORZ(TL): 0.001 B Code: Creep Factor: 2.0 Max TC CSI: 0.192 Max BC CSI: 0.068 Max Web CSI: 0.000  VIEW Ver: 22.02.00.0914.12

#### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 247 /177 /83 D 51 /-/31 /-67 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 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;

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 2-1-5.



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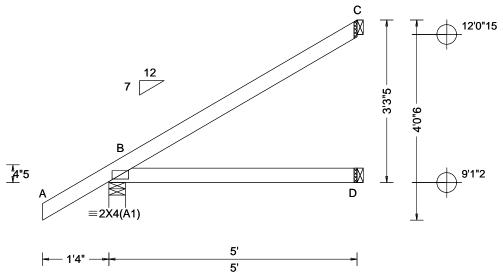
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SEQN: 733254 JACK Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T24 FROM: CDM Qty: 6 DrwNo: 321.23.1455.54250 Libby Truss Label: J03 SSB / YK 11/17/2023



Defl/CSI Criteria

Loading Criteria (psi)	Willia Ciliteria	Show Chiteria (Fg,Filli FSF)	Deli/Col Cillella
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): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.009 B
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: 0.337
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.241
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
'	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: 22.02.00.0914.12
	•	•	•

Snow Criteria (Pa Pf in PSE)

#### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 320 /220 /124 D 91 /-/52 /-131 /85 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 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;

Loading Criteria (nef) Wind Criteria

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 3-3-5.



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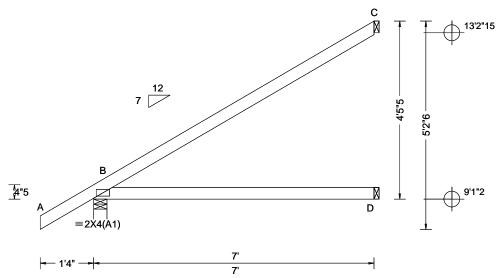
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 733256 / **EJAC** Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T27 / FROM: CDM Qty: 20 DrwNo: 320.23.1453.32544 Libby Truss Label: J04 KD / DF 11/16/2023



Loading Criteria (	psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
Loading Criteria (   TCLL: 20.00     TCDL: 10.00     BCDL: 0.00     BCDL: 10.00     Des Ld: 40.00     NCBCLL: 10.00     Soffit: 2.00     Load Duration: 1.2     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	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	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.014 B HORZ(TL): 0.028 B Creep Factor: 2.0 Max TC CSI: 0.740 Max BC CSI: 0.523 Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	FT/RT:20(0)/10(0) Plate Type(s): WAVE	VIEW Ver: 22.02.00.0914.12

#### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 398 /268 /30 /165 130 /-/74 /126 191 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 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;

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 4-5-5.



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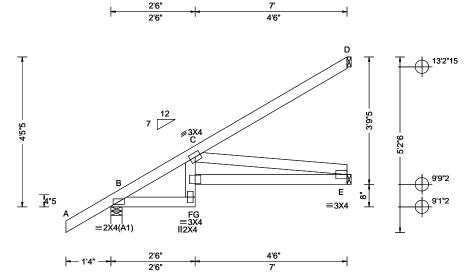
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 733258 **EJAC** Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T5 FROM: CDM Qty: 6 DrwNo: 321.23.1455.59210 Libby Truss Label: J05 SSB / YK 11/17/2023



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): 0.025 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.050 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 E
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.031 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: 0.330
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.332
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.746
	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: 22.02.00.0914.12
Lumber			

#### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 398 /268 /165 160 /-/-/114 /15 /-/-132 /86 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375# **Maximum Top Chord Forces Per Ply (lbs)** Chords Tens.Comp.

B - C 73 - 387

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

F-E 552 - 502

#### Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. C-E 506 - 555

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

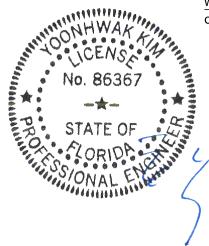
Wind loading based on both gable and hip roof types.

### **Additional Notes**

Wind

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

The overall height of this truss excluding overhang is



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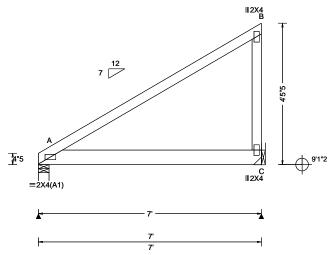
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SEQN: 469894 **EJAC** Ply: 2 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T43 Qty: 1 FROM: CDM DrwNo: 321.23.1456.02920 Libby Page 1 of 2 Truss Label: J06 SSB / YK 11/17/2023

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): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.017 A
Des Ld: 40.00 NCBCLL: 0.00 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: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0)	HORZ(TL): 0.035 A
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12

▲ Maximum Reactions (lbs)							
	G	No	on-Grav	vity −			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Α	1687	/-	/-	/-	/92	/-	
С	1479	/-	/-	/-	/154	/-	
Win	d read	tions b	ased on N	/WFRS			
Α	Brg V	/id = 4	.0 Min F	Req = 1.5	(Trus	3)	
С	Brg V	/id = -	Min F	Req = -	•	•	
Bea	ring A	is a rio	id surface	· ).			
Members not listed have forces less than 375#							

#### Lumber

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

#### Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 4.00" o.c. Webs : 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.=1.25) 63 plf at 32 plf at 63 plf at 0.00 to TC: From 32 plf at 2.40 to 7.00 TC: From BC: From 10 plf at 0.00 to 10 plf at 7.00 706 lb Conc. Load at 0.40 696 lb Conc. Load at 2.40, 4.40

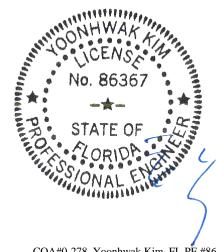
701 lb Conc. Load at 6.40 Wind

Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure.

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: 469894 **EJAC** Ply: 2 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T43 FROM: CDM DrwNo: 321.23.1456.02920 Qty: 1 Libby Page 2 of 2 Truss Label: J06 SSB / YK 11/17/2023

### Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

Bearing at location x=6'9" uses the followin support conditions: 6'9"
Bearing C (6'9", 9'1"2) HGUS26-2
Supporting Member: (2)2x6 SP 2400f-2.0E
(20) 0.148"x3" nails into supporting uses the following member. (6) 0.148"x3" nails into supported member.



COA#0-278, Yoonhwak Kim, FL PE #86367 Flotida Conficate of Product Approval #FL 1999

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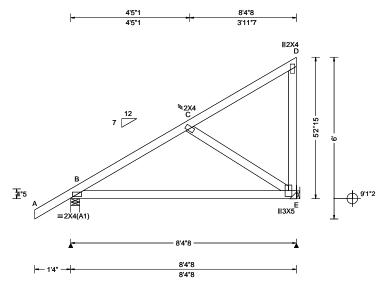
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SEQN: 733358 MONO Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T52 FROM: CDM DrwNo: 321.23.1456.05320 Qty: 11 Libby Truss Label: J07 SSB / YK 11/17/2023



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): 0.008 B 999 240
	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.026 B 999 180
	BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 B
	Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.016 B
	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: 0.305
		MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.633
	Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.135
	_	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: 22.02.00.0914.12

#### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 454 /-/302 /140 333 /-/243 /-/-/54 Wind reactions based on MWFRS Brg Wid = 4.0Min Reg = 1.5 (Truss) В Brg Wid = -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;

### Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=8'1"8 uses the following support conditions: 8'1"8 Bearing E (8'1"8, 9'1"2) LUS26 Supporting Member: (1)2x6 SP #2

(4) 0.148"x3" nails into supporting member. (3) 0.148"x3" nails into supported

member.

#### Additional Notes

The overall height of this truss excluding overhang is 5-2-15

#### Wind

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

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



COA#0-278, Yoonhwak Kim, FL PE #86367 Florida / Co2ificate of Product Approval #FL 1999

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

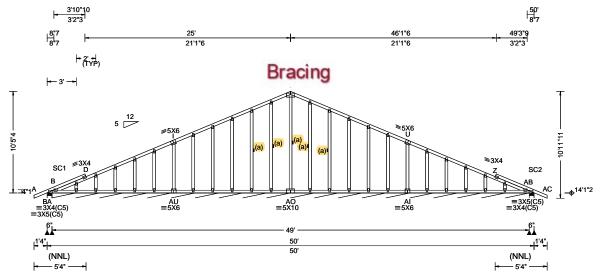
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SEQN: 733242 GABL Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T33 DrwNo: 321.23.1456.08780 FROM: CDM Qty: 1 Libby Truss Label: K01 SSB / YK 11/17/2023



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): 0.002 Z 999 240		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 Z 999 180		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.008 Z		
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 19.20 ft		HORZ(TL): 0.010 Z		
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: 0.237		
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.042		
Spacing: 24.0 "	C&C Dist a: 5.00 ft	Rep Fac: Yes	Max Web CSI: 0.141		
	Loc. from endwall: Any	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12		
1		A. I. Peter and Markey			

▲ Maximum Reactions (lbs), or *=PLF									
	Gravity Non-Gravity								
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
ВА	273	/-	/-	/134	/45	/297			
B*	76	/-	/-	/40	/16	/-			
AB	273	/-	/-	/173	/36	/-			
Win	d reac	tions b	ased on N	<b>IWFRS</b>					
BA	Brg V	Vid = 6	0 Min F	Req = 1.5	(Trus	s)			
В	Brg V	Vid = 58	88 Min F	Req = -	-	-			
AΒ	Brg V	Vid = 6.	.0 Min F	Req = 1.5	(Trus	s)			
Bea	rings l	BA, B,	& AB are	a rigid su	rface.				
Men	nbers	not list	ed have fo	orces less	s than	375#			
Max	imum	Top C	hord Fo	rces Per	Ply (lb	s)			
Cho	rds T	ens.Co	omp. (	Chords	Tens.	Ćomp.			

O - U

451

-72

1-0

460 - 141

#### Lumber

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

#### **Bracing**

(a) Continuous lateral restraint equally spaced on member.

### **Plating Notes**

All plates are 2X4 except as noted.

#### Loading

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

#### 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 A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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

WARNING: Furnish a copy of his DW G to the installation contractor. Special care must be aken during handling, shipping and installation of trusses. See "WARNING" note below.

The overall height of this tuss excluding over

No. 86367

COA#0-278, Yoonhwak Kim, FL PE #86367 Flotida Co2 Ficate of Product Approval #FL 1999

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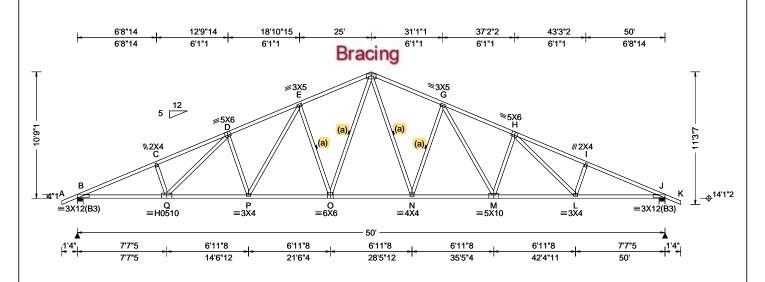
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SEQN: 733239 COMN Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T14 FROM: CDM Libby Qty: 23 DrwNo: 321.23.1459.17617 Truss Label: K02 SSB / YK 11/17/2023



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): 0.432 N 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.797 N 748 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.126 J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.232 J
NCBCLL: 10.00	Mean Height: 19.36 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: 0.876
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.537
Spacing: 24.0 "	C&C Dist a: 5.00 ft	Rep Fac: Yes	Max Web CSI: 0.839
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 22.02.00.0914.12

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP M-31; 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.

#### Wind

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

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

The overall height of this truss excluding overhang is 10-9-1.

PP Deflection in	n k	oc L	/defl	L/#	
VERT(LL): 0.4	432	Ν	999	240	Lc
VERT(CL): 0.7			748	180	В
HORZ(LL): 0.1	126	J	-	-	J
HORZ(TL): 0.2	232	J	-	-	W
Creep Factor: 2	2.0				В
Max TC CSI:	0.8	376			J
Max BC CSI:	0.5	37			Be
Max Web CSI:	0.8	339			M
					M

▲ Maximum Reactions (lbs)								
	Grav	ity	No	n-Gra	vity			
Loc R	C+ / F	R- / Rh	/ Rw	/ U	/ RL			
B 23	52 /-	/-	/1247	/437	/299			
J 23	52 /-	/-	/1247	/437	/-			
Wind reactions based on MWFRS								
B Br	g Wid	= 6.0 Mi	n Req = 1.9	(Trus	s)			
J Br	g Wid	= 6.0 Mi	n Req = 1.9	(Trus	s)			
Bearin	gs B &	J are a rig	id surface.	-	-			
Membe	ers not	listed have	e forces less	than 3	375#			
Maxim	um To	p Chord F	Forces Per	Ply (lb	s)			
Chords	Tens	s.Comp.	Chords	Tens.	Ćomp.			
B-C	202	4 - 5070	F-G	1654	- 3576			
C-D	207	2 - 4950	G-H	1880	- 4330			
D-E	188	0 - 4331	H - I	2070	- 4951			
E-F	165	4 - 3574	I - J	2022	- 5070			

### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.		
B-Q	4608 - 1774	N - M	3518 - 1151		
Q - P	4116 - 1489	M - L	4115 - 1458		
P - O	3518 - 1192	L-J	4608 - 1735		
O - N	2847 - 840				

### Maximum Web Forces Per Ply (lbs)

webs	rens.comp.		webs	rens. Comp.		
Q - D D - P		- 277 - 580	F - N N - G	1223 591	- 516 - 892	
P - E	865	- 369	G - M	862	- 370	
E - O O - F		- 894 - 517	M - H H - L	409 564	- 580 - 276	

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SEQN: 733248 COMN Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T31 FROM: CDM Qty: 5 DrwNo: 321.23.1459.21967 Libby Truss Label: K03 SSB / YK 11/17/2023 6'8"14 12'9"14 18'10"15 31'1"1 37'2"2 43'3"2 50' 6'8"14 6'1"1 6'1"1 6'1"1 6'1"1 6'8"14 Bracing **≥3**X5 ≅5X6 G //2X4 ✓ H ⊕<sup>14'1</sup>"2 P ≡H0510 \_0 ≡3X4 = N =6X6 M ≡4X4 K ≡3X4 =3X12(B3) \_\_\_L ≡5X10 ≡3X12(B3) 50' 7'7"5 6'11"8 6'11"8 6'11"8 6'11"8 6'11"8 14'6"12 21'6"4 28'5"12 35'5"4 42'4"11 ▲ Maximum Reactions (lbs) Gravity Non-Gravity

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): 0.432 M 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.797 M 748 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.125 I
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.232 I
NCBCLL: 10.00	Mean Height: 19.36 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: 0.877
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.537
Spacing: 24.0 "	C&C Dist a: 5.00 ft	Rep Fac: Yes	Max Web CSI: 0.676
	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 22.02.00.0914.12
Lumber			

Loc R+

2263 /-

2353

/R

Brg Wid = 6.0 Min Req = 1.9 (Truss) Bearings A & 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.

Brg Wid = 6.0 Min Reg = 1.9 (Truss)

/Rh

/-

Wind reactions based on MWFRS

/Rw /U

/1247 /437

/1173 /410 /288

/RL

/-

1121 - 5096 951 - 3579 B - C 1162 - 4977 F-G 1057 - 4334 C-D 1063 - 4339 G-H 1140 - 4954 954 - 3580 D-E 1099 - 5074

# Top chord: 2x4 SP #2;

Bot chord: 2x4 SP M-31; 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.

### Wind

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

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

The overall height of this truss excluding overhang is 10-9-1.

## Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. (	Comp.
A - P	4634	- 947	M - L	3522	- 591
P - O	4125	- 775	L-K	4118	- 760
O - N	3524	- 605	K-I	4611	- 923
N - M	2850	- 399			

### Maximum Web Forces Per Ply (lbs)

rens.c	omp.	webs	rens. (	Jomp.
583	- 186	E - M	1222	- 285
265	- 586	M - F	360	- 892
870	- 207	F-L	862	- 200
361	- 897	L-G	254	- 580
1223	- 287	G-K	564	- 150
	583 265 870 361	583 - 186 265 - 586 870 - 207 361 - 897 1223 - 287	583 - 186 E - M 265 - 586 M - F 870 - 207 F - L 361 - 897 L - G	583 - 186 E - M 1222 265 - 586 M - F 360 870 - 207 F - L 862 361 - 897 L - G 254



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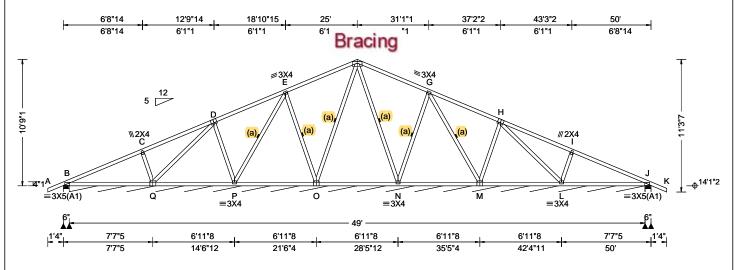
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SEQN: 733245 COMN Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T32 FROM: CDM Libby Qty: 1 DrwNo: 321.23.1459.26220 Truss Label: K04 SSB / YK 11/17/2023



▲ M	laxim	um Rea	ctions (	(lbs), or *=	:PLF		
	G	avity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	408	/-	/-	/237	/33	/299	
В*	70	/-	/-	/37	/3	/-	
J	407	/-	/-	/283	/28	/-	
Win	nd read	ctions b	ased on	MWFRS			
В	Brg V	Vid = 6.	0 Min	Req = 1.5	(Trus	s)	
В	Brg V	Vid = 58	38 Min	Reg = -	•	•	
J	Brg V	Vid = 6.	0 Min	Req = 1.5	(Trus	s)	
Bea	arings	B, B, &	J are a	rigid surfac	ce.		
Members not listed have forces less than 375#							
Maximum Web Forces Per Ply (lbs)							
We	bs <sup>-</sup>	Tens.Co	mp.	Webs `	Ťens.	Comp.	
C -	Q	213	- 391	L-I	213	- 391	

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 5X6 except as noted.

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

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

The overall height of this truss excluding overhang is 10-9-1.



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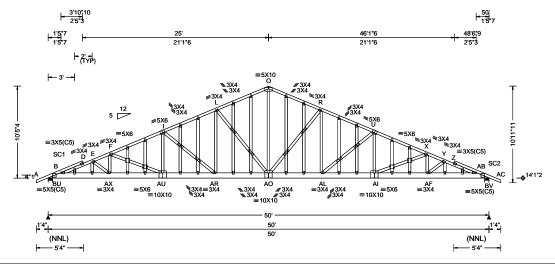
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SEQN: 469900 GABL Ply: 3 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T51 Qty: 1 FROM: CDM DrwNo: 321.23.1459.30520 Libby Truss Label: K05 SSB / YK 11/17/2023

3 Complete Trusses Required



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): 0.122 Q 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.246 Q 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.026 AB
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 19.20 ft		HORZ(TL): 0.052 AB
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: 0.242
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.324
Spacing: 24.0 "	C&C Dist a: 5.00 ft	Rep Fac: Yes	Max Web CSI: 0.232
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber		Additional Notes	

#### Lumber

Top chord: 2x4 SP #2; Bot chord: 2x8 SP #2; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 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. Webs : 1 Row @ 4" o.c.

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

# **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 member design.

Wind loading based on both gable and hip roof types.

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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

WARNING: Furnish a copy of this bWG to the installation contractor. Special calle must be taken during handling, shipping a doinstallation of truspes. See "WARNING" note below.

The overall height of this trusp excluding overhains is 10-5-4.

## ▲ Maximum Reactions (lbs)

		G	ravity		N	on-Grav	∕ity
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
0	BU :	2130	/-	/-	/1247	/430	/297
-	BV :	2130	/-	/-	/1247	/430	/-
-	Wind	d read	tions b	ased on	MWFRS		
	BU	Brg W	/id = 6	.0 Mir	Req = 1.	5 (Truss	s)
	BV	Brg W	/id = 6	.0 Mir	Req = 1.	5 (Truss	s)
	Bear	ings E	3U & B	V are a	rigid surfa	ce.	
	Mem	bers	not list	ed have	forces les	s than 3	375#
	Max	imum	Top (	Chord F	orces Per	Ply (lb	s)
	Cho	rds T	ens.Co	omp.	Chords	Tens.	Comp.
	ם ר		200	440	^ D		004

Ciloius	rens.comp.	Onorda	rens. comp.
B - D	206 - 440	O - R	518 - 924
B - D	604 - 1350	R - U	590 - 1153
D-E	807 - 1760	U - X	670 - 1402
E-F	783 - 1696	X - Y	783 - 1696
F-I	670 - 1402	Y - Z	807 - 1760
I - L	590 - 1153	Z -AB	206 - 440
L - O	518 - 924	Z -AB	605 - 1350

#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	comp.	Chords	Tens. (	Comp.
B -AX	1656	- 737	AO-AL	1043	- 395
AX-AU	1541	- 672	AL-AI	1273	- 513
AU-AR	1273	- 528	AI-AF	1541	- 645
AR-AO	1043	- 411	AF-AB	1656	- 708

### Maximum Gable Forces Per Ply (lbs)

Gables Tens.Comp. O-AO 609 - 334

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\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

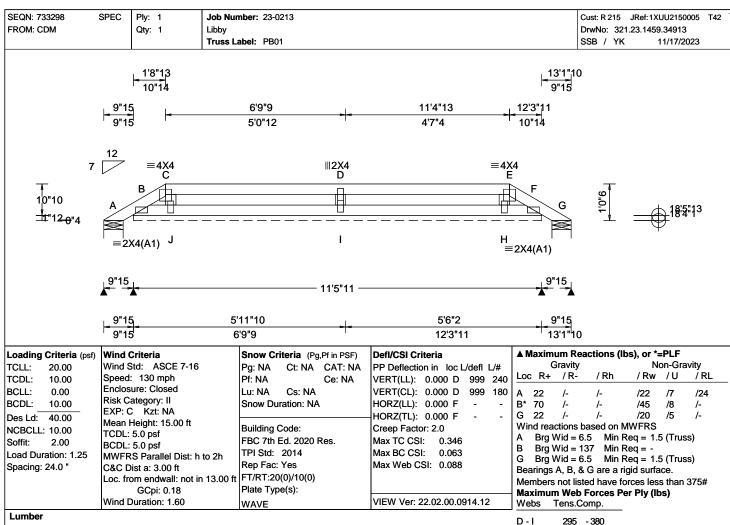
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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



Lumber

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

#### **Plating Notes**

All plates are 2X4(\*\*) except as noted.

(\*\*) 3 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

#### **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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is

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

SEQN: 733332 SPEC Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T41 FROM: CDM DrwNo: 321.23.1459.39477 Qty: 1 Libby Truss Label: PB02 SSB / YK 11/17/2023 9"15 3'8"13 9'4"13 12'3"11 13'1"10 9"15 5'8" 2'10"14 9"15 2'10"14 3'0"10 2'8"4 (TYP) ≡4X4 C ≡4X4 E 18:5:13 =2X4(A1) =2X4(A1) 11'5"11 -9"15 9"15 11'5"11 9"15 12'3"11 13'1"10

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 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B
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: 0.116
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.038
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.051
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

#### ▲ Maximum Reactions (lbs), or \*=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL /-18 /38 /56 В\* /-/51 /10 /-77 /-18 /-/10 /14 G Wind reactions based on MWFRS Brg Wid = 6.5 Min Req = 1.5 (Truss) Brg Wid = 137 Min Req = Brg Wid = 6.5 Min Req = 1.5 (Truss) Bearings A, B, & G are a rigid surface. Members not listed have forces less than 375#

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

#### **Plating Notes**

All plates are 2X4 except as noted.

#### Loading

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

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

Wind loads based on MWFRS with additional C&C

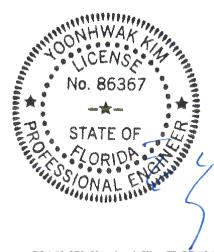
Wind loading based on both gable and hip roof types.

### **Additional Notes**

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

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 2-2-6



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SEQN: 733334 SPEC Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T38 FROM: CDM Qty: 2 DrwNo: 321.23.1459.42470 Libby Truss Label: PB03 SSB / YK 11/17/2023 5'8"13 7'4"13 12'3"11 13'1"<sub>1</sub>10 1'8' 9"15 4'10"14 4'10"14 ≡4X4 ≡4X4 D 18:5:13 **∥2X4 ∥2X4** 11'5"11 9"15 4'10"14 4'10"14 1'8' 9"15 5'8"13 7'4"13 12'3"11 13'1"10 ▲ Maximum Reactions (lbs), or \*=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Α /-130 /93 /157 /88

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): 0.003 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 E
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 E
NCBCLL: 10.00	Mean Height: 15.19 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: 0.267
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.091
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.029
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

#### В\* 97 /65 /12 /-/-130 /-/48 /113 Е /-100 Wind reactions based on MWFRS Min Req = 1.5 (Truss) Brg Wid = 6.5Brg Wid = 137 Min Req = -Brg Wid = 6.5 Min Req = 1.5 (Truss) Bearings A, B, & F are 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(A1) except as noted.

## Loading

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

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**

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 3-4-6



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SEQN: 733336 SPEC Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T37 FROM: CDM Qty: 5 DrwNo: 321.23.1459.46547 Libby Truss Label: PB04 SSB / YK 11/17/2023 6'6"13 12'3"11 5'8"14 5'8"14 18:5:13 **||2X4** 5'8"14 5'8"14 9"15 13'1"10 6'6"13 12'3"11

	▲ Maximum Reactions (lbs), or *=PLF									
#		G	ravity	. No	Non-Gravity					
40	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
80	Α	-	/-195	/-	/127	/217	/102			
-	В*	108	/-	/-	/71	/18	/-			
-	Е	_	/-195	/-	/76	/166	/-			
	В		/-156							
	D		/-135							
	Wind reactions based on MWFRS									
	Α		Vid = 6.5	Min F	Req = 1.5	(Truss	s)			
	В		$Vid = 13^\circ$	7 Min f	Req = -					
	Е	Brg V	Vid = 6.5	Min f	Req = 1.5	(Truss	s)			
	Bea	arings .	A, B, & E	are a ri	igid surfa	ce.				
	Members not listed have forces less than 375#									

### Lumbe

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

### **Plating Notes**

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

#### Loading

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

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

Negative reaction(s) of -195# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 3-10-3.



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SEQN: 733338 HIPS Ply: 1 Job Number: 23-0213 Cust: R 215 JRef: 1XUU2150005 T39 FROM: CDM Libby Qty: 1 DrwNo: 321.23.1459.49913 Truss Label: PB05 SSB / YK 11/17/2023 3'8"13 9'4"13 12'3"11 13'1"10 2'10"14 5'8" 2'10"14 9"15 ≡4X4 D 18:5:13 **∥2X4 ∥2X4** 11'5"11 2'10"14 5'8' 2'10"14 3'8"13 9'4"13 12'3"11

		3 13 30 13	34 13	120
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 E 999 240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 E 999 180
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B
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: 0.623
Load Dur	ation: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.088
Spacing:		C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.043
' "		Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
		GCpi: 0.18	Plate Type(s):	
		Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12

▲ Maximum Reactions (lbs), or *=PLF							
	G	ravity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
A	-	/-17	/-	/40	/39	/56	
B* '	77	/-	/-	/50	/9	/-	
F ·	-	/-17	/-	/12	/10	/-	
Wind reactions based on MWFRS							
A Brg Wid = 6.5 Min Reg = 1.5 (Truss)							
B Brg Wid = 137 Min Reg = -							
F Brg Wid = 6.5 Min Reg = 1.5 (Truss)							
Bearings A, B, & F are a rigid surface.							
Men	nbers	not liste	ed have fo	rces les	s than	375#	

#### Lumber

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

#### **Plating Notes**

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

#### Loading

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

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**

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

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 2-2-6.



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## Gable Stud Reinforcement Detail

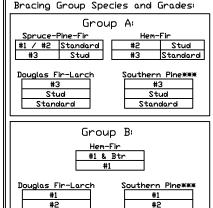
ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

	BIT 100 HEIT WING Speed, 10 Heart Height, Fat vially Effectsed, Exposure B, 124 - 1100													
		2x4 Vertico	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
th		CDE	#1 / #2	4′ 3″	7′ 3″	7' 7"	8′ 7 <b>″</b>	8′ 11″	10′ 3″	10′ 8 <b>″</b>	13′ 6″	14' 0"	14' 0"	14′ 0″
<u> </u>	1.7	SPF	#3	4′ 1″	6′ 7 <b>″</b>	7′ 1″	8′ 6 <b>″</b>	8′ 10 <b>″</b>	10′ 1″	10′ 6 <b>″</b>	13′ 4″	13′ 10″	14′ 0″	14′ 0″
21	Ų	HF	Stud	4′ 1″	6′ 7 <b>″</b>	7′ 0 <b>″</b>	8′ 6 <b>″</b>	8′ 10 <b>″</b>	10′ 1″	10′ 6″	13′ 4″	13′ 10″	14′ 0″	14′ 0 <b>″</b>
>	0	1 11	Standard	4′ 1″	5′ 8 <b>″</b>	6′ 0 <b>″</b>	7′ 7″	8′ 1 <b>″</b>	10′ 1″	10′ 6″	11′ 10″	12′ 8″	14′ 0″	14′ 0″
o			#1	4′ 6″	7′ 4″	7′ 8″	8′ 8 <b>″</b>	9′ 0″	10′ 4″	10′ 9″	13′ 8″	14′ 0″	14′ 0″	14′ 0″
	*	SP	#2	4′ 3″	7′ 3″	7' 7"	8′ 7 <b>″</b>	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 <b>″</b>	13′ 4″	14′ 0″	14′ 0″
ام	N	DFL	Stud	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6″	10′ 2″	10′ 7″	12′ 5 <b>″</b>	13′ 4″	14′ 0″	14′ 0″
			Standard	4′ 0″	5′ 3 <b>″</b>	5′ 7 <b>″</b>	7′ 0 <b>″</b>	7′ 6″	9′ 6″	10′ 2″	11′ 0″	11′ 10″	14' 0"	14′ 0″
1.91		SPF	#1 / #2	4′ 11″	8′ 4″	8′ 8 <b>″</b>	9′ 10″	10′ 3″	11′ 8″	12′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
+	. <del>.</del>	761	#3	4′ 8″	8′ 1 <b>″</b>	8′ 8 <b>″</b>	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
(	סיע	HF	Stud	4′ 8″	8′ 1″	8′ 6 <b>″</b>	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ΙāΙ		1 11	Standard	4′ 8 <b>″</b>	6′ 11″	7′ 5 <b>″</b>	9′ 3″	9′ 11″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
🐣			#1	5′ 1 <b>″</b>	8′ 5 <b>″</b>	8′ 9 <b>″</b>	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 <b>″</b>	10′ 3″	11′ 8″	12′ 2 <b>″</b>	14′ 0″	14′ 0″	14' 0"	14′ 0″
	l .'^	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	16	DFL	Stud	4′ 9″	7′ 4″	7′ 9 <b>″</b>	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	4′ 8″	6′ 5″	6′ 10 <b>″</b>	8′ 7 <b>″</b>	9′ 2 <b>′</b>	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
오		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> </u>			#3	5′ 1″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	J  U	HF	Stud	5′ 1 <b>′</b>	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 <b>″</b>	8′ 0″	8′ 6 <b>″</b>	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
$  \times  $	$\times$		#1	5′ 8″	9′ 3″	9′ 8″	10′ 11″	11′ 4″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
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″
ĮΣ	ù	المحا	#3	5′ 3″	8′ 5″	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	1,	DFL	Stud	5′ 3 <b>″</b>	8′ 5 <b>″</b>	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	5′ 1 <b>″</b>	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.

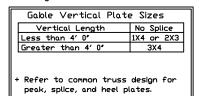
Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

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.

#### 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. Continuous Bearing Connect diagonal at Refer to chart above 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 unless 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.lccsafe.org

ASCE7-16-GAB14015 |DATE 01/26/2018 DRWG A14015ENC160118 MAX, TOT, LD, 60 PSF COA#0-278, Yoonhwak Kim, FI MAX 868 FACING 24.0" Florida Certificate of Product Approval #FL 199

# Gable Stud Reinforcement Detail

ASCE 7-16: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00 Or: 100 mph wind speed, 30' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

	Bit 100 Mph Wild Speed, 30 Mean Height, Far daily Enclosed, Exposure B, K2V - 100													
		2x4 Vertico	Brace	No	(1) 1×4 "L	Brace *	(1) 2×4 "L	." Brace *	(2) 2x4 <b>*</b> L	" Brace **	(1) 2×6 *L	." Brace *	(2) 2×6 *L	Brace *
_	Spacing	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
구		CDE	#1 / #2	4′ 1″	6′ 11″	7′ 2″	8′ 2 <b>″</b>	8′ 6″	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″
		SPF	#3	3′ 10″	6′ 2″	6′ 7″	8′ 1″	8′ 5 <b>″</b>	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″
<u>ا</u> ق	Ų	HF	Stud	3′ 10″	6′ 2″	6′ 6 <b>″</b>	8′ 1″	8′ 5 <b>″</b>	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″
Ç			Standard	3′ 10″	5′ 3″	5′ 7 <b>″</b>	7′ 0″	7′ 6″	9′ 6″	10′ 0″	11′ 0″	11′ 10″	14′ 0″	14′ 0″
به			#1	4′ 2″	7′ 0″	7′ 3″	8′ 3″	8′ 7″	9′ 10″	10′ 3″	13′ 0″	13′ 6″	14′ 0″	14′ 0″
—	*	ISP	#2	4′ 1″	6′ 11″	7′ 2″	8′ 2 <b>″</b>	8′ 6″	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″
	4	L.	#3	4′ 0″	5′ 7″	5′ 11″	7′ 5″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5 <b>″</b>	14′ 0″	14′ 0″
d	N	IDFL	Stud	4′ 0″	5′ 7″	5′ 11″	7′ 5 <b>″</b>	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″
			Standard	3′ 9″	4′ 11″	5′ 13 <b>″</b>	6′ 6″	7′ 0″	8′ 10 <b>″</b>	9′ 6″	10′ 3″	11′ 0″	13′ 11″	14′ 0″
<u> </u>		. SPF	#1 / #2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
+>	l . <del>.</del>		#3	4′ 5 <b>″</b>	7′ 6″	8′ 3″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
\	Ų	l HF	Stud	4′ 5 <b>″</b>	7′ 6″	8′ 0″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1 0	Ιō	1 11	Standard	4′ 5″	6′ 5 <b>″</b>	6′ 10″	8′ 7 <b>″</b>	9′ 2″	11′ 0″	11′ 6″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
~	~		#1	4′ 10″	8′ 0″	8′ 4″	9′ 6″	9′ 10″	11′ 3″	11′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
/		SP	#2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ò	D. C.	#3	4′ 7″	6′ 10″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1 0	<u> </u>	IDFL	Stud	4′ 7″	6′ 10″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
\overline{\sqrt{2}}	<u> </u>		Standard	4′ 5″	6′ 0″	6′ 5 <b>″</b>	8′ 0 <b>″</b>	8′ 7″	10′ 10″	11′ 6″	12′ 7 <b>″</b>	13′ 15″	14′ 0″	14′ 0″
	$\Omega$	SPF	#1 / #2	5′ 2 <b>″</b>	8′ 9″	9′ 1″	10′ 4″	10′ 9″	11′ 2″	12′ 9 <b>″</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″
<u>ď</u>	l . <del>.</del>		#3	4′ 10″	8′ 7″	8′ 11″	10′ 2″	10′ 7″	12′ 2″	12′ 8 <b>″</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0	U	HF	Stud	4′ 10″	8′ 7″	8′ 11 <b>″</b>	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ιō	1 11	Standard	4′ 10″	7′ 5″	7′ 11″	9′ 11″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
X	~		#1	5′ 4 <b>″</b>	8′ 10″	9′ 2″	10′ 5 <b>″</b>	10′ 10″	12′ 5″	12′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
la		SP	#2	5′ 2 <b>″</b>	8′ 9″	9′ 1″	10′ 4″	10′ 9″	12′ 3″	12′ 9 <b>″</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″
Σ Q	ù	lne.	#3	5′ 0 <b>″</b>	7′ 10″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8 <b>″</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″
_	1,	IDFL	Stud	5′ 0 <b>″</b>	7′ 10″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8 <b>″</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″
` '	1	Standard	4′ 10″	6′ 11″	7′ 4″	9′ 3″	9′ 10″	l 12′ 2 <b>″</b>	12′ 8 <b>″</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″	

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

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

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

Provide uplift connections for 100 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 nalls at 2" o.c. in 18" end zones and 4" o.c. between zones. ₩ \*\*For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

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

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

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

"L" Brace End Zones, typ. 2x6 DF-L #2 or better diagonal brace; single or double cut (as shown) at upper end. Continuous Bearing Refer to chart above for my

Symm C

mmIMPORTANTmm FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extrene care in fabricating, handling, shipping, installing and bracing. Refer to any follow the latest edition of BCSI (Building Component Safety Information, by TD 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 botton 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 BIO, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Betalls, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

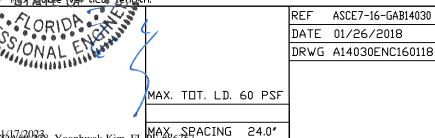
Alpine, a division of ITV Building Components Group Inc. Stall have shown and the standard plate positions.

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

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



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Vertical length shown

Connect diagonal at

midpoint of vertical web.

in table above.

Diagonal brace option:

vertical length may be doubled when diagonal

brace is used. Connect diagonal brace for 525# at each end. Max web

total length is 14'.

Gable Truss

# 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.

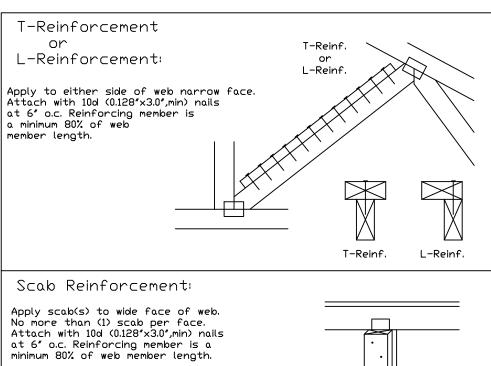
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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.

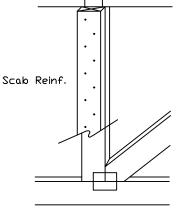
Web Member	Specified CLR	Alternative Reir	
Size	Restraint	T- or L- Reinf.	
2x3 or 2x4	1 row	2×4	1-2×4
2x3 or 2x4	2 rows	2×6	2-2×4
2×6	1 row	2×4	1-2×6
2×6	2 rows	2×6	2-2×4( <b>米</b> )
2×8	1 row	2×6	1-2×8
2×8	2 rows	2×6	2-2×6( <del>*/</del> )

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.







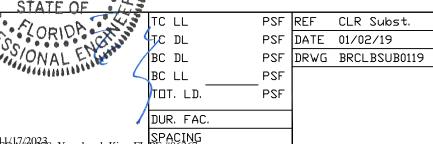
\*\*\*VARNINGI\*\*\* READ AND FOLLOW ALL NOTES ON THIS DRAVINGI \*\*\*\*IMPORTANT\*\*\* FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

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

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

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

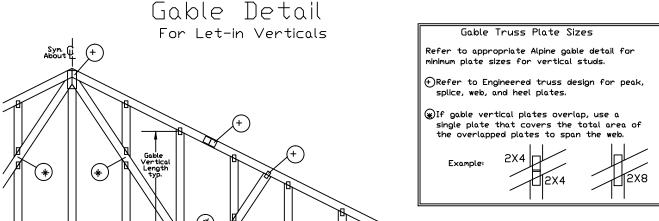
For more information see this job's general notes page and these web sites:
ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org



155 Harlem Ave North Building, 4th Floor

Glenview, IL 60025

Florida Certificate of Product Approval #FL 1999



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, A20015ENC100118, A20015ENC100118, A15015ENC100118, A15015ENC100118, A15015ENC100118, A15015ENC100118, A15015ENC100118, A15015ENC100118, A20015ENC100118, A20015ENC100118, A20015ENC100118, A20015ENC100118, A200118

\$11515ENC100118, \$12015ENC100118, \$14015ENC100118, \$16015ENC100118

\$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015PED100118, S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC1001 \$18030ENC100118, \$20030ENC100118, \$20030 ND100118, \$20030PED10011

See appropriate Alpine gable detail for maximum unreinforced content eventical

"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 aable 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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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 provide temporary bracing per BCSI. Unless 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. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.

Refer to drawings IGOA-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 fallure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

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

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

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



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

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

Florida Certificate of Product Approval #FL 1999



Rigid Sheathing

Ceiling

4 Nails

Nails

Spaced At

4 Nails

Reinforcing

Member

Gable

Truss

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

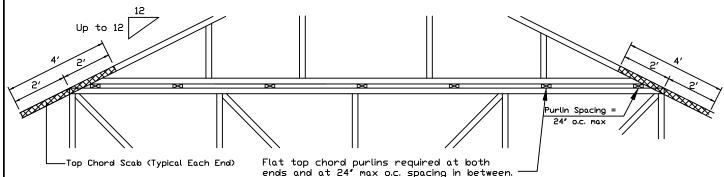
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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



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

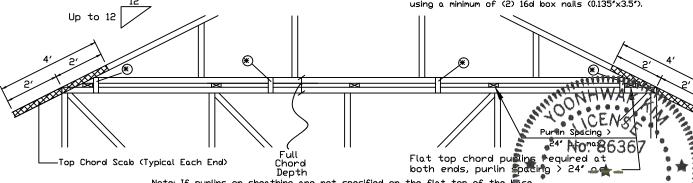
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

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

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

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

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



Note: If purlins or sheathing are not specified on the flat top of the see truss, purlins must be installed at 24' o.c. max. and use Detail A.

##WARNING### READ AND FOILLING 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 any 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 botton chord shall have a properly attached rigid celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 83, 87 or 810, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.

Alpine, a division of ITW Building Components Group Inc. shall not be a properly attached the shall not be a properly attached the properly attached the properly attached the properly plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.

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

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

engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the 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.lccsafe.org \* In addition, provide connection with one of the following methods:

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

#### APA Rated Gusset

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

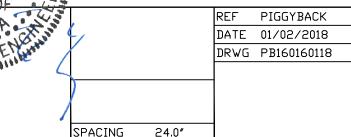
#### 2x4 Vertical Scabs

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

#### 28PB Wave Piggyback Plate

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

to back faces.



14/17/20238, Yoonhwak Kim, FL'I Florida Certificate of Product Approval #FL 1999



North Building, 4th Floor Glenview, IL 60025