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COA #0 278

Florida Certificate of Product Approval #FL 1999

03/26/2025



Site Information:	Page 1:				
Customer: W. B. Howland Company, Inc.	Job Number: 23-8896				
Job Description: Goodson Renovation					
Address: 337 SW Tompkins St, Lake City, FL 32024					

Job Engineering Criteria:				
Design Code: FBC 8th Ed. 2023 Res. IntelliVIEW Version: 23.02.04				
	JRef #: 1Y8M2150001			
Wind Standard: ASCE 7-22 Wind Speed (mph): 130	Design Loading (psf): 40.00			
Building Type: Closed				

This package contains general notes pages, 37 truss drawing(s) and 1 detail(s).

Item	Drawing Number	Truss
1	085.25.0533.57939	A1
3	085.25.0533.57750	A3
5	085.25.0533.57751	B2
7	085.25.0533.57372	B4
9	085.25.0533.58033	C1
11	085.25.0533.58208	D1
13	085.25.0533.58519	D3
15	085.25.0533.58756	G2
17	085.25.0533.57781	G4
19	085.25.0533.58520	G6
21	085.25.0533.57718	H1
23	085.25.0533.57986	H3
25	085.25.0533.57387	HJ1
27	085.25.0533.57512	J2
29	085.25.0533.57969	J4
31	085.25.0533.58740	K1
33	085.25.0533.58771	К3
35	085.25.0533.58802	L1
37	085.25.0533.58269	L3

Item	Drawing Number	Truss
2	085.25.0533.58032	A2
4	085.25.0533.57434	B1
6	085.25.0533.57418	В3
8	085.25.0533.58207	B5
10	085.25.0700.19147	C2
12	085.25.0533.57702	D2
14	085.25.0533.58442	G1
16	085.25.0533.58458	G3
18	085.25.0533.58221	G5
20	085.25.0533.57765	G7
22	085.25.0533.58724	H2
24	085.25.0533.58252	H4
26	085.25.0533.58472	J1
28	085.25.0533.57435	J3
30	085.25.0533.58786	J5
32	085.25.0533.58457	K2
34	085.25.0533.57970	K4
36	085.25.0533.58284	L2
38	BRCLBSUB0119	

General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Bearing Information:

The bearing area factor, Cb, is considered for the allowable capacity of solid sawn wood bearings supporting trusses that are located a minimum of 3" from the end of the lumber piece.

General Notes (continued)

Coated Lumber:

Coated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Coated lumber has no adjustments to lumber properties. Coated lumber may be more brittle than uncoated lumber. Special handling care must be taken to prevent breakage during all handling activities. Refer to manufacturer literature, specifications, and code evaluation reports for restrictions, details, and requirements.

Fire Retardant Treated Lumber:

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

Key to Terms:

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

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

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

C = Coated lumber.

C-AT = AtTEK coated lumber.

C-FX = FX Lumber Guard coated lumber.

C -TE = TechWood 4400 coated lumber.

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

FRT-BF = Boraflame Fire Retardant Treated lumber

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

FRT-ON = OnWood Fire Retardant Treated lumber.

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

FRT-PR = ProWood Fire Retardant Treated lumber.

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

General Notes (continued)

Key to Terms (continued):

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

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

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

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

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

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

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

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.

W = Width of non-hanger bearing, in inches.

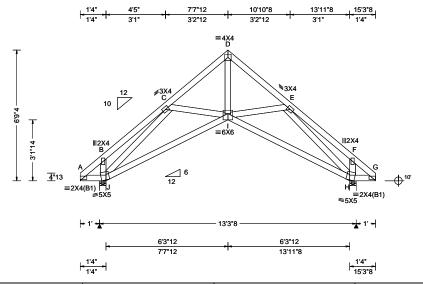
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

- 1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
- 2. ICC: International Code Council; www.iccsafe.org.
- 3. Alpine, a division of ITW Building Components Group Inc.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; www.alpineitw.com.
- 4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
- 5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www. sbcacomponents.com

SEQN: 673672 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T33 FROM: RFG DrwNo: 085.25.0533.57939 Qty: 6 Goodson Renovation Truss Label: A1 KD / FV 03/26/2025



TCLL: 20.00 Wind Std: ASCE 7-22 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# TCDL: 10.00 Speed: 130 mph Pf: NA Ce: NA VERT(LL): 0.021 I 999 360	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	•
Dick Cotogony II	TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	VERT(LL): 0.021 I 999 360 VERT(CL): 0.046 I 999 240 HORZ(LL): 0.028 G HORZ(TL): 0.062 G Creep Factor: 2.0 Max TC CSI: 0.126 Max BC CSI: 0.378 Max Web CSI: 0.415	Lo J H W J H Be M M;

▲ M	axim	ım Re	actions	(lbs)		
Gravity				N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	675	/-	/-	/426	/78	/190
Н	675	/-	/-	/426	/78	/-
Win	d read	ctions b	ased on	MWFRS		
J	Brg V	Vid = 4	.0 Min	Req = 1.5	5 (Trus	s)
Н	Brg V	Vid = 4	.0 Min	Req = 1.5	5 (Trus	s)
Bea	rings	J & H a	are a rigi	d surface.	•	•
Mer	nbers	not list	ed have	forces les	s than	375#
Max	cimun	Top (Chord F	orces Per	Ply (lb	s)
				Chords		
C - I	D	187	- 792	D-E	187	- 792

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.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 661 - 193 661

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.Comp.	Webs	Tens. C	Comp.			
J-C D-I	220 - 844 702 - 85	E - H	205	- 844			



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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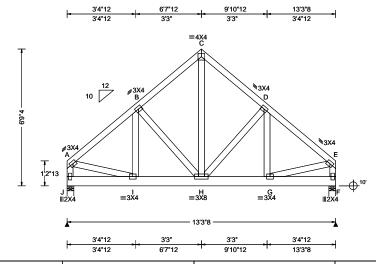
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For more information see these web sites: Alpine: alpineitw.com: TPI: binst.org: SBCA: sbcacomponents.com: ICC: iccsafe.org: AWC: awc.org

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SEQN: 673710 / COMN Ply: 2 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T53 FROM: RFG DrwNo: 085.25.0533.58032 Qty: 1 Goodson Renovation Truss Label: A2 KD / FV 03/26/2025

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.010 H 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.021 H 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.008 B
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.092
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.061
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.236
	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: 23.02.04.0123.14

Lumber

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

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @10.00" 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)							
TC: From	66 plf at	0.00 to	66 plf at	2.06			
TC: From	33 plf at	2.06 to	33 plf at	11.23			
TC: From	66 plf at	11.23 to	66 plf at	13.29			
BC: From	20 plf at	0.00 to	20 plf at	2.06			
BC: From	10 plf at	2.06 to	10 plf at	11.23			
BC: From	20 plf at	11.23 to	20 plf at	13.29			
	Conc. Load	at 2.06, 4.	06, 6.06, 7.3	23			
9.23,11.23							

Wind

Wind loads and reactions based on MWFRS. 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 6-9-4.

WIND LOAD CASE MODIFIED!

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

▲ Maxir	num Rea	ıctions (lbs)			
	Gravity		No	on-Grav	vity	
Loc R+	- /R-	/ Rh	/ Rw	/ U	/ RL	
J 132	7 /-	/-	/-	/74	/-	
F 132	7 /-	/-	/-	/74	/-	
Wind re	actions b	ased on	MWFRS			
J Brg	Wid = 4	0 Min	Req = 1.5	(Trus	s)	
F Brg	Wid = 4	0 Min	Req = 1.5	(Trus	s)	
Bearing	s J & F a	re a rigid	l surface.			
Membe	rs not liste	ed have	forces less	s than 3	375#	
Maximu	ım Top C	hord Fo	orces Per	Ply (lb	s)	
Chords	Tens.Co	mp.	Chords	Tens.	Comp.	
A - B	42	- 703	C-D	31	- 541	
B-C			Ď-Ē	42	- 703	

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	omp.	Chords	Tens.	Comp.		
I-H	508	- 26	H-G	508	- 26		

Maximum Web Forces Per Ply (lbs)									
Webs	Tens.Comp.		Webs	Tens. (Comp.				
A - J	42	- 606	G-E	521	- 24				
A - I	521	- 24	E-F	42	- 606				
C - H	620	- 17							



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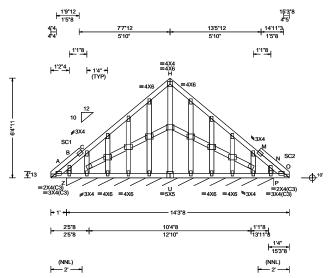
SEQN: 673708 / FROM: RFG

GABL

Ply: 1 Qty: 1

Job Number: 23-8896 Goodson Renovation Truss Label: A3

Cust: R 215 JRef: 1Y8M2150001 T47 DrwNo: 085.25.0533.57750 KD / FV 03/26/2025



Francisco Olarad						
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 " 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 BCDL: 5.0 psf Loc. from endwall: Any GCpi: 0.18 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 70.000 I BCX: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	Ι.	
WAVE VIEW Ver: 23.02.04.0123.14	TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	VERT(LL): 0.003 O 999 360 VERT(CL): 0.007 O 999 240 HORZ(LL): 0.001 L HORZ(TL): 0.006 I Creep Factor: 2.0 Max TC CSI: 0.131 Max BC CSI: 0.074 Max Web CSI: 0.834		
Lumber Additional Notes		Willia Duration. 1.60	1:::::=	VIEW Vel. 23.02.04.0123.14	L	

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL Z* 131 /-/-/15 Wind reactions based on MWFRS Brg Wid = 159 Min Req = Bearing Z 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; Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

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

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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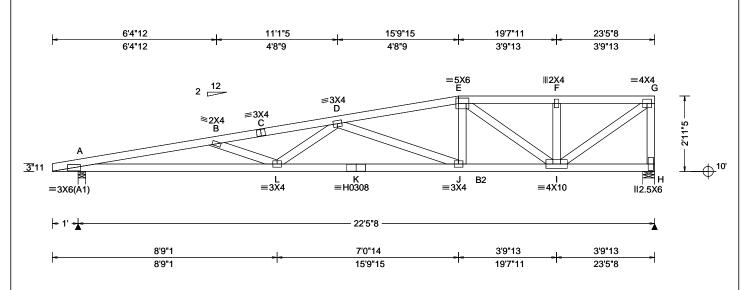
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SEQN: 673674 / HIPM Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T22 FROM: RFG DrwNo: 085.25.0533.57434 Qty: 1 Goodson Renovation Truss Label: B1 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.217 L 999 360		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.435 L 619 240		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.034 H		
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.067 H		
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 8th Ed. 2023 Res.	Max TC CSI: 0.693		
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.819		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.548		
' "	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, HS	VIEW Ver: 23.02.04.0123.14		

Lumber

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

Webs: 2x4 SP #3;

Wind

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

Right end vertical not exposed to wind pressure.

Left 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 2-11-5.

▲ Maximum Reactions (lbs)						
Gravity			Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	984	/-	/-	/505	/182	/93
Н	901	/-	/-	/461	/178	/-
Wir	nd rea	actions b	ased on	MWFRS		
Α	Brg	Wid = 3.	5 Min	Req = 1.5	(Trus	s)
Н	Brg	Wid = 5.	5 Min	Reg = 1.5	ī (Trus	s)
Bea	arings	A & H a	re a rigi	d surface.	•	•
	_		_	forces les	s than 3	375#
Max	kimu	m Top C	hord Fo	orces Per	Plv (lb	s)
				Chords		•
A -	D	851 -	2400	D-E	622	- 1814
	_				623	
В-	_	729 -		E-F	493	- 1105
С-	D	734 -	3045	F-G	493	- 1105

Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.Comp.		Chords	Tens. (Comp.	
A - L	3321	- 899	K - J	2696	- 803	
L-K	2696	- 803	J - I	1764	- 623	

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Webs Tens.Comp. L-D 483 E - I 159 -802 0 248 - 1001 1338 D-J 1 - G - 595 E-J 509 - 41 G-H 444 -861



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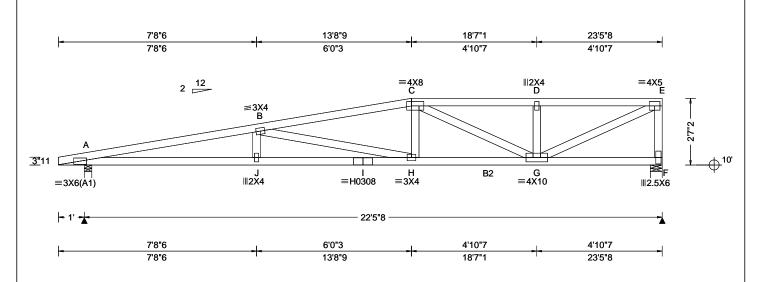
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SEQN: 673675 / HIPM Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T21 FROM: RFG DrwNo: 085.25.0533.57751 Qty: 1 Goodson Renovation Truss Label: B2 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.225 B 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.451 B 596 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.033 F	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.067 F	
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.551	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.834	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.787	
	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, HS	VIEW Ver: 23.02.04.0123.14	
Lumban				-

▲ Maxi	mum Rea	actions (lbs)			
	Gravity		No	n-Gra	vity	
Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL	_
A 984	1 /-	/-	/505	/184	/81	
F 901	/-	/-	/461	/177	/-	
Wind re	eactions b	ased on	MWFRS			
A Bro	g Wid = 3	.5 Min	Req = 1.5	(Trus	s)	
F Bro	Wid = 5	.5 Min	Req = 1.5	(Trus	s)	
Bearing	s A & Fa	are a rigid	I surface.	•	•	
Membe	rs not list	ed have t	forces less	than 3	375#	
Maxim	um Top (Chord Fo	rces Per	Ply (lb	s)	
Chords	Tens.Co	omp.	Chords	Tens.	Ćomp.	_
A - B	982 -	3333	C-D	786	- 1553	
B-C			Ď-Ē	786	- 1553	
	Loc R: A 984 F 90' Wind re A Brg F Brg Bearing Membe Maxim Chords A - B	Gravity Loc R+ /R- A 984 /- F 901 /- Wind reactions to A Brg Wid = 3 F Brg Wid = 5 Bearings A & F & Members not list Maximum Top (Chords Tens.C. A - B 982 -	Gravity Loc R+ /R- /Rh A 984 /- /- F 901 /- /- Wind reactions based on A Brg Wid = 3.5 Min F Brg Wid = 5.5 Min Bearings A & F are a rigic Members not listed have to the component of the compon	Loc R+ /R- /Rh /Rw A 984 /- /- /505 F 901 /- /- /461 Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 F Brg Wid = 5.5 Min Req = 1.5 Bearings A & F are a rigid surface. Members not listed have forces less Maximum Top Chord Forces Per Chords Tens.Comp. Chords A - B 982 - 3333 C - D	Non-Grave	Gravity Loc R+ /R- /Rh /Rw /U /RL A 984 /- /- /505 /184 /81 F 901 /- /- /461 /177 /- Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 (Truss) F Brg Wid = 5.5 Min Req = 1.5 (Truss) Bearings A & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. A - B 982 - 3333 C - D 786 - 1553

Lumber

Top chord: 2x4 SP #2;

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

Wind

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

Right end vertical not exposed to wind pressure.

Left 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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
A - J	3254 - 1012	I-H	3249 - 1020	
J - I	3249 - 1020	H-G	2241 - 909	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Co	omp.
B - H	224 - 1033	D-G	376	- 312
C - H	403 - 3	G-E	1703	- 860
C - G	152 - 761	E-F	498	- 854



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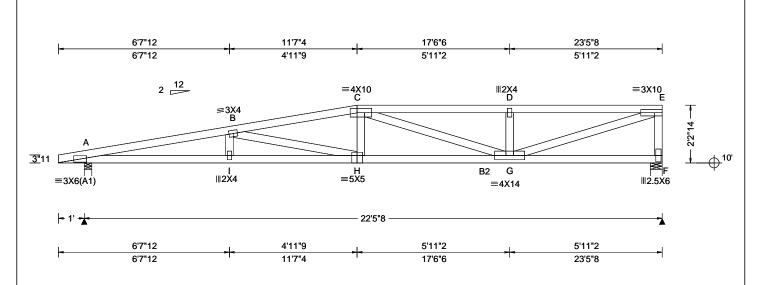
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SEQN: 673676 / HIPM Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T20 FROM: RFG DrwNo: 085.25.0533.57418 Qty: 1 Goodson Renovation Truss Label: B3 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Ma
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 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): 0.226 H 999 360 VERT(CL): 0.454 H 593 240 HORZ(LL): 0.032 F HORZ(TL): 0.064 F Creep Factor: 2.0 Max TC CSI: 0.511 Max BC CSI: 0.663 Max Web CSI: 0.866 VIEW Ver: 23.02.04.0123.14	Loc
Lumbar				

▲ Maxi	mum Rea	actions (lbs)			
	Gravity		No	on-Grav	/ity	
Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL	_
A 984	! /-	/-	/505	/185	/69	
F 901	l /-	/-	/460	/176	/-	
Wind re	eactions b	ased on	MWFRS			
A Bro	Wid = 3	.5 Min	Req = 1.5	(Truss	s)	
F Bro	Wid = 5	.5 Min	Req = 1.5	(Truss	s)	
			surface.	•	′	
_		_	forces les	s than 3	375#	
Maxim	um Top (Chord Fo	orces Per	Plv (lb	s)	
			Chords		•	
A - B	1226 -	3340	C-D	1197	- 2130	
B-C	1258 -	2729	Ď-E	1197	- 2130	

Lumber

Top chord: 2x4 SP #2;

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

Wind

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

Right end vertical not exposed to wind pressure.

Left 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 2-2-14.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - I I - H	3263 - 1249 3263 - 1260	H-G	2672 - 1258

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.		
B-H C-G	139 114	- 745 - 589	G-E E-F	-	- 1241 - 844	
D-G	450			002	٠	



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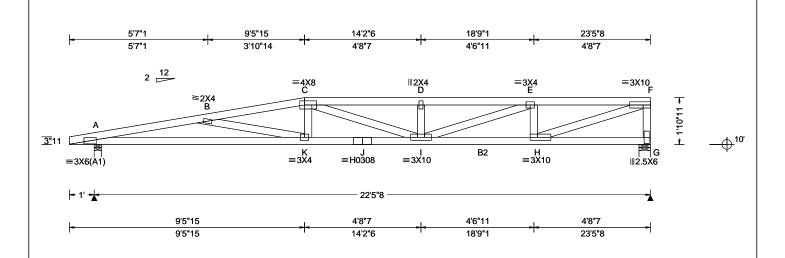
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SEQN: 673677 / HIPM Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T18 FROM: RFG DrwNo: 085.25.0533.57372 Qty: 1 Goodson Renovation Truss Label: B4 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.252 K 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.506 K 532 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.034 G
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.067 G
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 8th Ed. 2023 Res.	Max TC CSI: 0.755
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.772
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.835
-	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, HS	VIEW Ver: 23.02.04.0123.14

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Left 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 1-10-11.

▲ Maximum Reactions (lbs)							
	Grav	ity	N	lon-Grav	vity		
Loc F	R+ / F	R- / Rh	/ Rw	/ U	/ RL		
A 98	34 /-	/-	/505	/186	/56		
G 90)1 /-	/-	/460	/175	/-		
Wind	reactior	s based o	n MWFRS				
А В	rg Wid	= 3.5 Mi	n Req = 1.	5 (Trus	s)		
G B	rg Wid	= 5.5 Mi	n Req = 1.	5 (Trus	s)		
Bearin	ngs A &	G are a rig	gid surface		•		
Memb	ers not	listed have	e forces les	s than 3	375#		
Maximum Top Chord Forces Per Ply (lbs)							
Chord	s Tens	.Comp.	Chords	Tens.	Ćomp.		
A - B	149	8 - 3359	D-E	1779	- 3105		
B-C	-	4 - 3071	F-F	1248	- 2089		

Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.Comp.	Chords	Tens. Comp.			
A - K	3281 - 1503	J - I	3018 - 1481			
KI	3018 - 1481	1 - H	2205 - 1338			

1779 - 3106

C - D

Maximum web roices rei riy (ibs)							
Webs	Tens.C	comp.	Webs	Tens.	Comp.		
B - K C - I		- 480 - 518	E-H H-F	503 2191	- 643 - 1306		
I-E	958	- 504	F-G	572	- 855		



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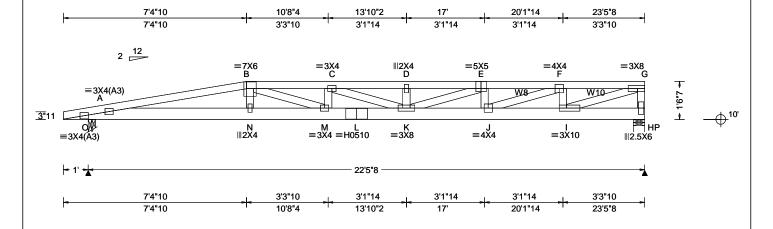
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SEQN: 673706 / HIPM Ply: 2 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T23 Qty: 1 FROM: RFG DrwNo: 085.25.0533.58207 Goodson Renovation Truss Label: B5 KD / FV 03/26/2025





	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
ŀ	TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
ŀ		Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.280 C 962 360
	DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.561 C 480 240
	DCDL. 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.026 B
	Dec I d: 40 00	EXP: C Kzt: NA		HORZ(TL): 0.051 B
	NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
	Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.231
		MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.368
	Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.334
1		Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
1		GCpi: 0.18	Plate Type(s):	
L		Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04.0123.14

Lumber

Top chord: 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E;

Webs: 2x4 SP #3; W8 2x4 SP #2; W10 2x4 SP M-31;

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" o.c. :1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 60 plf at 0.00 to TC: From 60 plf at 30 plf at 7.39 to 30 plf at 23.46 TC: From BC: From 20 plf at 0.00 to 20 plf at 7.42 BC: From 10 plf at 7.42 to 10 plf at 23. TC: 216 lb Conc. Load at 7.42 TC: 162 lb Conc. Load at 9.45,11.45,13.45,15.45 23.46 17.45,19.45,21.45 BC: 391 lb Conc. Load at 7.42 BC: 110 lb Conc. Load at 9.45,11.45,13.45,15.45 17.45,19.45,21.45

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

Left 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 1-6-7

Gravity				Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
0	1865	/-	/-	/-	/333	/-
Р	1884	/-	/-	/-	/340	/-
Wir	nd read	tions ba	sed on	MWFRS		
0	Brg V	/id = 3.5	Min	Req = 1.5	(Truss	s)
Р	Brg V	/id = 5.5	Min	Req = 1.5	(Truss	s)
Bea	ırings (O & P ar	e a rigio	d surface.	•	•
Mei	mbers	not listed	d have t	orces less	s than 3	375#
Max	kimum	Top Ch	ord Fo	rces Per	Ply (lb:	s)
Cho	ords T	ens.Cor	np.	Chords	Tens.	Ćomp.
Α-	В	702 - 3	968	D-E	823	- 4613
В-	С	833 - 4		E-F	681	- 3822
C-	D	823 - 4	613	F-G	4∩4	- 2262

▲ Maximum Reactions (lbs)

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

A - N	3900 - 688	L-K	4744	- 849
N - M	3918 - 684	K-J	3932	- 709
M - L	4744 - 849	J - I	2451	- 448

Maximum Web Forces Per Plv (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
B - M	848 - 159	F-I	180 - 774		
K - E	730 - 123	I-G	2399 - 428		
E - J	115 - 450	G-H	167 - 883		
J-F	1481 - 252				



Florida 26/2025 ate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

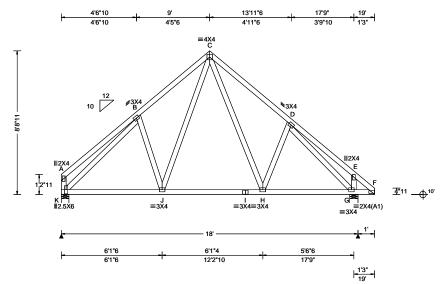
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SEQN: 673678 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T5 FROM: RFG Qty: 8 DrwNo: 085.25.0533.58033 Goodson Renovation Truss Label: C1 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.017 J 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.035 J 999 240	ŀ
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	٧
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	ŀ
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.249	5
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.397	E
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.663	N
' '	Loc. from endwall: Any	FT/RT:20(0)/10(0)		۳
	GCpi: 0.18	Plate Type(s):] -
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	E
Lumber	•	•		٠.

▲ Maximum Reactions (lbs)							
	(Gravity		N	on-Grav	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
κ	815	/-	/-	/436	/107	/246	
G	947	/-	/-	/543	/117	/-	
Win	d rea	ctions b	ased or	n MWFRS			
K	Brg \	Nid = 5	.5 Mii	n Req = 1.5	5 (Trus	s)	
G	Brg \	Nid = 6	.0 Mii	n Req = 1.	5 (Trus	s)	
Bea	rings	K&G	are a rig	jid surface.	•	-	
Men	nbers	not list	ed have	forces les	s than 3	375#	
Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds	Tens.C	omp.	Chords	Tens.	Ćomp.	
В-0	С	449	- 850	C - D	431	- 831	

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.

Left 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

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	comp.	Chords	Tens. C	Comp.		
K - J	634	- 111	I-H	454	- 29		
J - I	454	- 29	H-G	592	- 98		

Maximum Web Forces Per Ply (lbs)						
Webs	Tens.Comp.	Webs	Tens. C	Comp.		
K - B	172 - 856 384 - 208	D-G	210	- 911		



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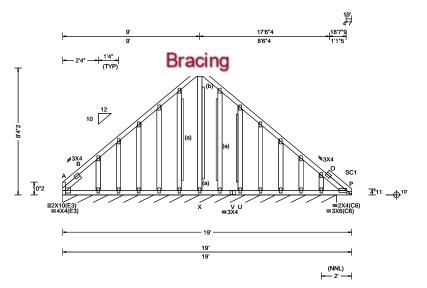
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Job Number: 23-8896 Goodson Renovation Truss Label: C2

Cust: R 215 JRef: 1Y8M2150001 T32 DrwNo: 085.25.0700.19147 / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.010 P 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.026 P 457 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 M
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.016 M
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.159
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.112
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.953
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14
Lumber		Additional Notes	

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity /Rw /U Loc R+ /R /RL A* 128 /-/-/15 /15 Wind reactions based on MWFRS Brg Wid = 216 Min Req = Bearing A 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. B - H 432 - 198 H - O 432 - 108

Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp.

H - X 44 - 492

Plating Notes

Top chord: 2x4 SP #2;

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

All plates are 2X4 except as noted.

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

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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. Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/187.

Gable Reinforcement

(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(b) 2x6 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.



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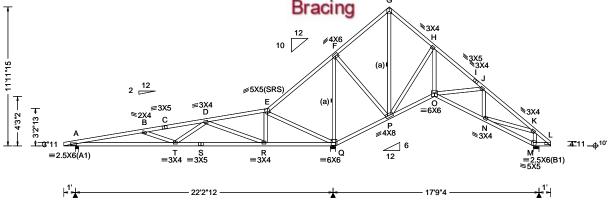
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SEQN: 673680 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T2 FROM: RFG Qty: 7 DrwNo: 085.25.0533.58208 Goodson Renovation Truss Label: D1 KD / FV 03/26/2025





5'10"12

23'5"8

4'7"6

28'0"14

3'10"14

31'11"12

4'3"2

36'2"14

4'3"2

40'6'

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.15 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.20 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 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): 0.086 B 999 360 VERT(CL): 0.199 B 999 240 HORZ(LL): 0.014 M HORZ(TL): 0.050 M Creep Factor: 2.0 Max TC CSI: 0.648 Max BC CSI: 0.686 Max Web CSI: 0.728 VIEW Ver: 23.02.04.0123.14	
Lumber		-		

7'11"5

17'6"12

9'7"7

	▲ Maximum Reactions (lbs)						
	G	ravity		No	n-Grav	vity −	
Lo	c R+	/ R-	/ Rh	/Rw	/ U	/ RL	
Α	647	/-	/-	/353	/141	/325	
Q	2517	/-	/-	/1430	/101	/-	
М	620	/-	/-	/359	/-	/-	
W	ind read	ctions b	ased on N	IWFRS			
Α	Brg V	Vid = 3.	5 Min F	Req = 1.5	(Truss	s)	
Q	Brg V	Vid = 5.	5 Min F	Req = 3.0	(Truss	s)	
М	Brg V	Vid = 6.	0 Min F	Req = 1.5	(Truss	s)	
В	earings .	A, Q, &	M are a r	igid surfa	ce.		
М	embers	not list	ed have fo	orces less	than 3	375#	
M	aximun	Top C	hord For	rces Per	Ply (lb	s)	
_ c	hords 7	Tens.Co	omp. (Chords	Tens.	Comp.	

1'6" 42'

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

Top chord: 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

Wind

Wind loads based on MWFRS with additional C&C

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

Additional Notes

The overall height of this truss excluding overhang is

A - B	469 - 1718	F-G	596	- 80	
B - C	275 - 1188	G - H	607	- 102	
C - D	281 - 1171	H - I	674	- 373	
D - E	583 - 122	I - J	614	- 400	
E-F	1435 - 137	J - K	353	- 721	

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.		Choras	i ens.	Comp.
A - T	1669	- 309	Q-P	354	- 1176
T - S	653	- 109	P-0	473	- 564
S - R	653	- 109	O - N	564	- 257
R-Q	206	- 609			

Maximum Web Forces Per Ply (lbs)

rens.comp.	webs	rens. C	omp.
235 - 582	F-P	1027	0
679 - 13	G-P	105	- 833
308 - 1184	P - H	181	- 573
596 - 49	H-O	480	- 217
203 - 517	N - K	515	- 206
214 - 1692	M - K	254	- 536
	235 - 582 679 - 13 308 - 1184 596 - 49 203 - 517	235 -582 F - P 679 -13 G - P 308 -1184 P - H 596 -49 H - O 203 -517 N - K	235 -582 F - P 1027 679 -13 G - P 105 308 -1184 P - H 181 596 -49 H - O 480 203 -517 N - K 515



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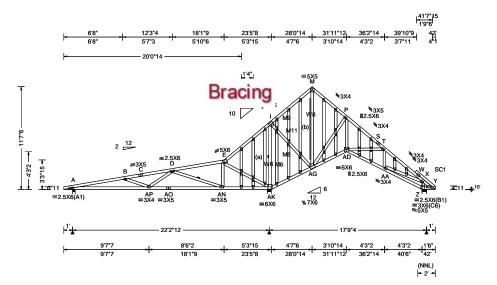
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Ply: 1 Qty: 1

Job Number: 23-8896 Goodson Renovation Truss Label: D2

Cust: R 215 JRef: 1Y8M2150001 T15 DrwNo: 085.25.0533.57702 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.085 B 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.212 B 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 AI
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.95 ft		HORZ(TL): 0.050 Z
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.812
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.709
Spacing: 24.0 "	C&C Dist a: 4.20 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.991
	Loc. from endwall: not in 10.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14
Lumber		Additional Notes	

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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

Brg Wid = 3.5 Min Req = 1.5 (Truss) AK Brg Wid = 5.5 Min Req = 4.1 (Truss) Brg Wid = 6.0 Min Req = 1.5 (Truss) Bearings A, AK, & Z 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. M - P

Non-Gravity

/172

/RL

/350

/-

/Rw /U

/1527 /350

/372

/371

▲ Maximum Reactions (lbs) Gravity

/Rh

/-

Wind reactions based on MWFRS

Loc R+

AK 3492 /-

592

Α 683

I-AK

I-AG

,, ,				0_0		
B - C	347 -	- 1207	P-S	725	- 423	
C - D	354 -	- 1189	S-T	672	- 429	
D - E	972	- 121	T - W	500	- 752	
E-I	1876	- 193	W - X	455	- 871	
I - M	610	- 113				
Maximu	m Bot (Chord	Forces Per	Ply (lbs)	١	

				Chords Tens. Comp		
A -AP AP-AO AO-AN AN-AK	676 676	- 394 - 148 - 148 - 983	AK-AG AG-AD AD-AA	543	- 1696 - 621 - 309	

Maximum Web Forces Per Ply (lbs)						
Webs	Tens.Comp.	Webs	Tens. C	omp.		
B -AP	260 - 743	M -AG	94	- 941		
AP- D	698 - 23	AG- P	235	- 577		
D -AN	391 - 1629	P -AD	510	- 264		
AN- E	679 - 60	AD- T	253	- 457		
E -AK	215 - 479	AA- X	593	- 325		

Z - X

133 - 2086

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Bracing

(a) Continuous lateral restraint equally spaced on member.

Webs: 2x4 SP #3; W6,W8,M6,M11 2x4 SP M-31; M8,

Plating Notes

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2:

Stack Chord: SC1 2x4 SP #2;

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

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

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/167.

Gable Reinforcement

(b) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

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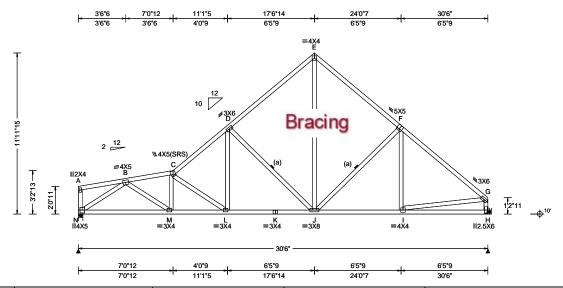
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288

- 493

SEQN: 673682 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T11 FROM: RFG Qty: 3 DrwNo: 085.25.0533.58519 Goodson Renovation Truss Label: D3 KD / FV 03/26/2025



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	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.61 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.05 ft Loc. from endwall: not in 9.00 ft	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.116 L 999 360 VERT(CL): 0.229 L 999 240 HORZ(LL): 0.035 H HORZ(TL): 0.070 H Creep Factor: 2.0 Max TC CSI: 0.689 Max BC CSI: 0.699 Max Web CSI: 0.785
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s):	VIEW Ver: 23.02.04.0123.14
	Willia Daradion. 1.00	WAVE	VILVV VOI. 20.02.04.0120.14

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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.

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 11-11-15.

▲ Maximum Reactions (lbs)										
		G	ravity		N	lon-Gra	vity			
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
)	N	1357	/-	/-	/709	/70	/304			
	Н	1418	/-	/-	/760	/10	/-			
	Win	d reac	tions b	ased or	MWFRS					
	N	Brg V	Vid = 4	0 Mir	n Reg = 1.	6 (Trus	s)			
	Н	Brg V	Vid = -	Mir	n Reg = -	•	•			
	Bea	ring N	is a rig	id surfa	ice.					
	Men	nbers	not list	ed have	forces les	s than	375#			
	Max	imum	Top C	hord F	orces Pe	Ply (lb	s)			
	Cho	rds T	ens.Co	mp.	Chords	Tens.	Ćomp.			
	B - 0		452	2621	E-F	384	- 1367			
	0-1	Ś	423 -	-	F-G	296				
	O - L	,	720 -			230	17.17			

Maximum Bot Chord Forces Per Ply (lbs) Tens. Comp. Chords Tens.Comp. Chords N - M 1806 1637 - 187 - 294 M - L 2614 - 393 J - I 1227 - 123

377 - 1359

1637

895 - 104

- 187

D-E

L-K

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. N-B D-J - 976 399 - 2152 306 B - M 940 - 113 E-J 1152 - 300 - 449 M - C 130 J - F 219 - 400 254 - 1185 I-G 1162 -84

G - H

245

- 1369



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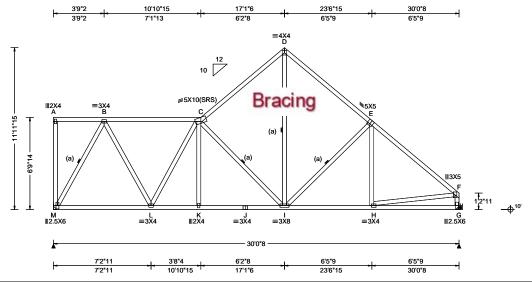
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SEQN: 673683 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T6 FROM: RFG Qty: 1 DrwNo: 085.25.0533.58442 Goodson Renovation Truss Label: G1 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.058 K 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.125 K 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.027 A
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.058 A
NCBCLL: 10.00	Mean Height: 16.61 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.632
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.650
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.998
' '	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: 23.02.04.0123.14

▲ M	▲ Maximum Reactions (lbs)								
	G	ravity		N	lon-Grav	vity			
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL			
М	1292	/-	/-	/715	/168	/304			
G	1292	/-	/-	/766	/-	/-			
Win	d reac	tions ba	sed on	MWFRS					
М	Brg V	Vid = -	Mir	Req = -					
G	Brg V	Vid = -	Mir	Req = -					
Men	nbers	not listed	d have	forces les	s than 3	375#			
Max	Maximum Top Chord Forces Per Ply (lbs)								
Cho	rds T	ens.Cor	np.	Chords	Tens.	Comp.			
В-(0	384 - 10	072	D-E	445	- 1236			
C - Ι	D	442 - 12	224	E-F	354	- 1542			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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 11-11-15.

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	ds rens.Comp. Chords		rens. Comp.		
M - L L - K	674 - 12 1417 - 32		1416 1095		
K - J	1416 - 32	5			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
M - B	612 - 1352	D-I	996 - 384		
B - L	847 - 167	I-E	216 - 375		
L-C	247 - 702	H-F	1026 - 130		
C-I	431 - 835	F-G	301 - 1238		



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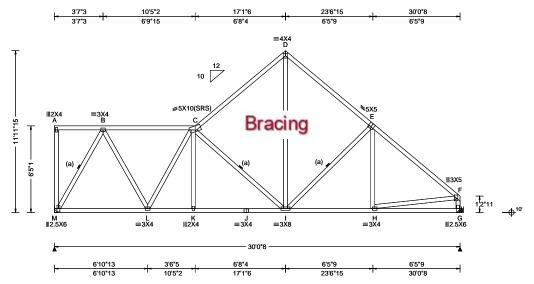
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SEQN: 673684 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T34 FROM: RFG Qty: 1 DrwNo: 085.25.0533.58756 Goodson Renovation Truss Label: G2 KD / FV 03/26/2025



Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.059 K 999 360
	Lu: NA Cs: NA	VERT(CL): 0.128 K 999 240
, ,	Snow Duration: NA	HORZ(LL): 0.027 A
		HORZ(TL): 0.059 A
	Building Code:	Creep Factor: 2.0
•	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.644
•	TPI Std: 2014	Max BC CSI: 0.606
C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.951
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: 23.02.04.0123.14
	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.61 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.61 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):

▲ Maximum Reactions (lbs)								
	G	ravity		N	on-Grav	vity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL		
М	1292	/-	/-	/714	/157	/305		
G	1292	/-	/-	/763	/1	/-		
Win	d read	tions ba	sed on	MWFRS				
М	Brg V	/id = -	Min	Req = -				
G	Brg V	/id = -	Min	Req = -				
Men	nbers	not liste	d have	forces les	s than 3	375#		
Max	Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds T	ens.Cor	np.	Chords	Tens.	Ćomp.		
В-0	0	389 - 1	109	D-E	440	- 1236		
C - [D	430 - 1	236	E-F	349	- 1541		

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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 11-11-15.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 689 - 136 1482 - 349

1484 - 347 I - H 1094 - 160 1482 - 349 Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
M - B	599 - 1361	D - I	978 - 363		
B-L	884 - 179	H-F	1024 - 125		
L-C	253 - 752	F-G	298 - 1238		
C - I	439 - 868				



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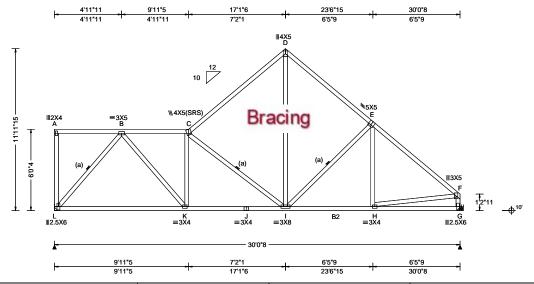
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SEQN: 673685 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T7 FROM: RFG Qty: 1 DrwNo: 085.25.0533.58458 Goodson Renovation Truss Label: G3 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Γ
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.060 C 999 360	l
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.130 C 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.025 A	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.054 A	
NCBCLL: 10.00	Mean Height: 16.61 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.664	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.499	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.883	
' '	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	

▲ Maximum Reactions (lbs)								
	G	ravity		N	on-Grav	vity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL		
L ·	1292	/-	/-	/713	/147	/307		
G ·	1292	/-	/-	/761	/2	/-		
Wind	d read	tions bas	sed on	MWFRS				
L	Brg W	/id = -	Min	Req = -				
G	Brg W	/id = -	Min	Req = -				
Mem	bers	not listed	have	forces les	s than 3	375#		
Maximum Top Chord Forces Per Ply (lbs)								
Cho	rds T	ens.Con	np.	Chords	Tens.	Ćomp.		
В-С	;	500 - 15	540	D-E	436	- 1233		
C-E)	418 - 12	242	E-F	344	- 1542		

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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 11-11-15.

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	comp.	Chords	Tens. (Comp.		
L-K	937	- 236	J - I	1566	- 358		
K - I	1566	- 358	1 - H	1004	- 155		

Maximum Web Forces Per Ply (lbs)

rens.comp.	vvebs	rens. Comp.	
594 - 1429	D - I	947 - 337	_
951 - 173	I-E	207 - 378	
238 - 535	H-F	1024 - 119	
427 - 925	F-G	294 - 1239	,
	594 - 1429 951 - 173 238 - 535	594 - 1429 D - I 951 - 173 I - E 238 - 535 H - F	594 - 1429 D - I 947 - 337 951 - 173 I - E 207 - 378 238 - 535 H - F 1024 - 119



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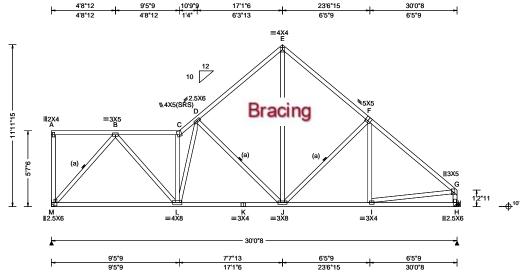
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SEQN: 673686 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T31 FROM: RFG Qty: 1 DrwNo: 085.25.0533.57781 Goodson Renovation Truss Label: G4 KD / FV 03/26/2025



Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.079 C 999 360
	Lu: NA Cs: NA	VERT(CL): 0.169 C 999 240
, ,	Snow Duration: NA	HORZ(LL): 0.034 A
		HORZ(TL): 0.073 A
,	Building Code:	Creep Factor: 2.0
•	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.638
•	TPI Std: 2014	Max BC CSI: 0.980
C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.934
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: 23.02.04.0123.14
	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.61 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.61 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):

▲ Ma	ıximu	ım Rea	ctions ((lbs)		
	G	ravity		N	on-Grav	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M 1	1292	/-	/-	/711	/136	/309
H 1	1292	/-	/-	/759	/4	/-
Wind	l reac	tions b	ased on	MWFRS		
М	Brg V	/id = -	Min	Reg = -		
н	Brg V	/id = -	Min	Reg = -		
Mem	bers	not list	ed have	forces les	s than 3	375#
Maxi	mum	Top (hord F	orces Per	Plv (lb	s)
				Chords		•
B - C	;	487 -	1592	E-F	431	- 1235
C - D)	-		F-G	340	
Ď-E		425 -	-	-		

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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 11-11-15.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
M - L	976 - 256	K-J	1452 - 306
L-K	1452 - 306	J - I	1095 - 153

Maximum Web Forces Per Ply (lbs)

Webs	os Tens.Comp. Webs		Tens. Comp.		
M - B	595 - 1469	E-J	988 - 35	7	
B - L	943 - 139	J - F	213 - 37	6	
L-C	452 - 1315	I-G	1026 - 11	7	
L - D	818 - 250	G-H	291 - 123	8	
D - I	407 - 850				



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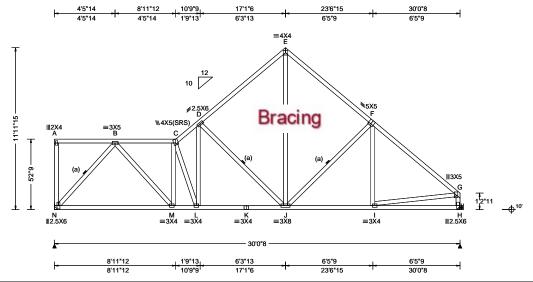
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SEQN: 673687 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T36 FROM: RFG Qty: 1 DrwNo: 085.25.0533.58221 Goodson Renovation Truss Label: G5 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ī
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.61 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCDi: 0.18	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.072 L 999 360 VERT(CL): 0.154 L 999 240 HORZ(LL): 0.031 A HORZ(TL): 0.066 A Creep Factor: 2.0 Max TC CSI: 0.641 Max BC CSI: 0.887 Max Web CSI: 0.913	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	ŀ

	▲ Maximum Reactions (lbs)						
		G	ravity		N	on-Grav	vity
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	N 1	292	/-	/-	/709	/125	/310
	H 1	292	/-	/-	/757	/5	/-
	Wind	reac	tions b	ased or	n MWFRS		
	N E	3rg W	/id = -	Mir	n Reg = -		
	н в	3rg V	/id = -	Mir	n Reg = -		
	Memb	pers	not list	ed have	forces les	s than 3	375#
	Maxii	mum	Top (Chord F	orces Per	Plv (lb	s)
					Chords		•
	В-С		492 -	1651	E-F	426	- 1236
	C-D		557 -	1865	F-G	336	- 1542
_	D-E		418 -	1228			

Lumber

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

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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 11-11-15.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.
N - M	1011	- 270	K-J	1443	- 295
M - L	1685	- 378	J - I	1095	- 151
L-K	1443	- 295			

Maximum Web Forces Per Plv (lbs)

Webs	s Tens.Comp. Webs		Tens. Comp.		
N - B	587 - 1500	D-J	399 - 845		
B - M	987 - 147	E - J	984 - 349		
M - C	203 - 571	1 - G	1025 - 114		
C - L	254 - 739	G-H	288 - 1238		
L-D	723 - 231				



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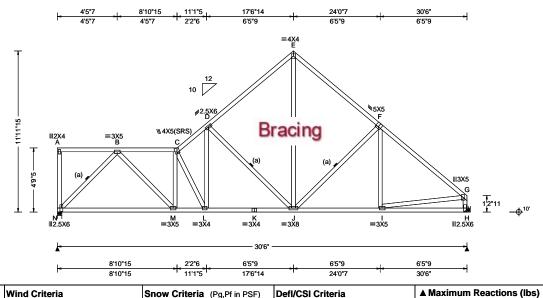
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SEQN: 673688 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T35 FROM: RFG DrwNo: 085.25.0533.58520 Qty: 1 Goodson Renovation Truss Label: G6 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs	s)
Coading Criteria (psf) TCLL: 20.00 TCDL: 10.00 CCLL: 0.00 CCLL: 10.00 CCCL: 10.00 CCCL: 10.00 CCCLI: 10.00 CCCCII: 10.0	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.61 ft	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code:	PP Deflection in loc L/defl L/# VERT(LL): 0.081 L 999 360	Gravity Loc R+ /R- /Rh N 1312 /- /- H 1312 /- /- Wind reactions based on M	/ No / Rw /716 /766
Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.05 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max TC CSI: 0.649 Max BC CSI: 0.904 Max Web CSI: 0.929 VIEW Ver: 23.02.04.0123.14	B - C 536 - 1842 E	rces less
Lumber		•		- C - D 5/8 - 19/5 F	- G

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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 11-11-15.

Brg Wid = -Min Req = -Bearing N 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. 536 - 1842 C - D 578 - 1975

431 - 1264 341 - 1568 D-E 422 - 1256

Non-Gravity

/118

/RL

/313

/-

/Rw /U

/766 /5

Min Reg = 1.6 (Truss)

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. N - M 1121 - 319 K - J 1501 - 305 - 439 1881 J - I 1115 - 155 M - L L-K 1501 - 305

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. N-B D-J 407 607 - 1591 - 895 B - M 1058 - 158 E-J 1019 - 355 M - C 201 - 607 I-G 1045 - 117

G - H

292

- 1257

- 848

303

807 - 254

L - D



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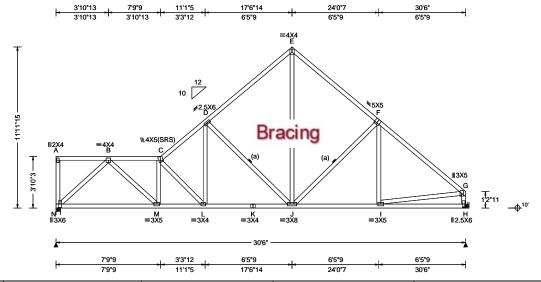
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SEQN: 673689 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T38 FROM: RFG DrwNo: 085.25.0533.57765 Qty: 1 Goodson Renovation Truss Label: G7 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	١.
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 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.61 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.05 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 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): 0.089 L 999 360 VERT(CL): 0.191 L 999 240 HORZ(LL): 0.032 A HORZ(TL): 0.069 A Creep Factor: 2.0 Max TC CSI: 0.649 Max BC CSI: 0.749 Max Web CSI: 0.902 VIEW Ver: 23.02.04.0123.14	

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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 11-11-15.

iteria	▲ Maximum Reactions (I	bs)
on in loc L/defl L/#	Gravity	Non-Gravity
0.089 L 999 360	Loc R+ /R- /Rh	/Rw /U /RL
0.191 L 999 240	N 1312 /- /-	/711 /92 /316
0.032 A	H 1312 /- /-	/762 /7 /-
0.069 A or: 2.0	Wind reactions based on I N Brg Wid = 4.0 Min	-
: 0.649 I: 0.749	H Brg Wid = - Min Bearing N is a rigid surfac	•
si: 0.749	Members not listed have f	
OI. 0.002	Maximum Top Chord Fo	rces Per Ply (lbs)
	Chords Tens.Comp.	Chords Tens. Comp.
23.02.04.0123.14	B - C 584 - 2116 C - D 544 - 2019	E - F 422 - 1264 F - G 332 - 1568

413 - 1256

D-E

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.c	omp.	Choras	rens. v	Jomp.	
N - M	1260	- 367	K-J	1502	- 279	
M - L	2174	- 523	J - I	1115	- 149	
I-K	1502	- 279				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
N - B	601 - 1692	D-J	385 - 896
B - M	1200 - 196	E-J	1019 - 344
M - C	207 - 716	I - G	1045 - 110
C - L	356 - 970	G-H	285 - 1257
L - D	803 - 225		



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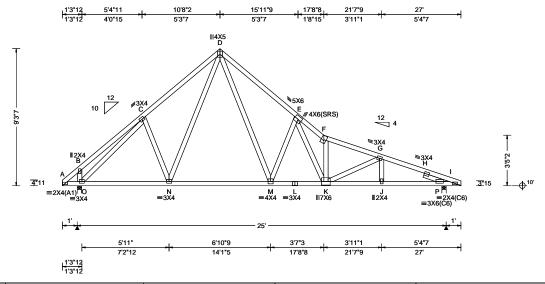
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SEQN: 673690 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T19 FROM: RFG Qty: 4 DrwNo: 085.25.0533.57718 Goodson Renovation Truss Label: H1 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	T
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 7-22 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: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code:	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.139 F 999 360 VERT(CL): 0.273 F 999 240 HORZ(LL): 0.064 D HORZ(TL): 0.126 D Creep Factor: 2.0 Max TC CSI: 0.813 Max BC CSI: 0.916 Max Web CSI: 0.824 VIEW Ver: 23.02.04.0123.14	
Lumber	,	1447.44.		_

▲ Maxir	▲ Maximum Reactions (Ibs)					
	Gravity		No	on-Gra	vity	
Loc R	- / R-	/ Rh	/ Rw	/ U	/ RL	
O 124	9 /-	/-	/686	/-	/265	
P 118	1 /-	/-	/636	/13	/-	
Wind re	actions b	ased on	MWFRS			
O Brg	Wid = 3	.5 Min	Req = 1.5	(Trus	s)	
P Brg	Wid = 3	.5 Min	Req = 1.5	(Trus	s)	
Bearing	sO&Pa	are a rigi	d surface.			
Membe	rs not list	ed have	forces less	s than :	375#	
Maximum Top Chord Forces Per Ply (lbs)						
Chords	Tens.Co	omp.	Chords	Tens.	Comp.	
C-D	346 -	1273	F-G	376	- 2110	
D-E		1642		369		
E-F	511 -	-	H-I	56		

Lumber

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

Rt Slider: 2x4 SP #3; block length = 1.750'

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.

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

Additional Notes

The overall height of this truss excluding overhang is 9-3-7.

Maximum Bot Chord Forces Per Ply (lbs) Tens. Comp. Chords Tens.Comp. Chords P - I 700 - 43 M - L 1538 - 187 A - O 613 - 244 L-K 1538 - 187 O - N - 91 2014 927 K-J - 309 N - M 774 0 J - P 2013 - 306

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. O - C 126 - 1140 E - K 1328 - 265 D - M 1126 - 241 F-K 254 - 1163 M - E 309 - 903 H-P 312 - 1622



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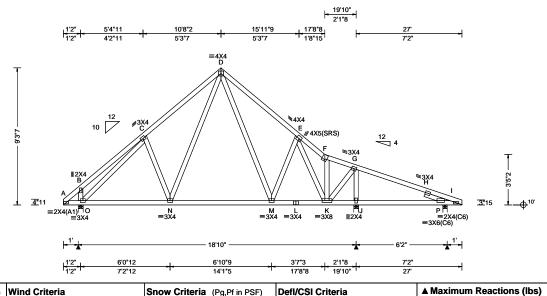
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SEQN: 673691 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T9 FROM: RFG Qty: 1 DrwNo: 085.25.0533.58724 Goodson Renovation Truss Label: H2 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.030 H 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.060 H 999 240
BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): -0.010 H
Des Ld: 40.00	Mean Height: 15.00 ft		HORZ(TL): 0.023 H
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.463
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.387
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.603
	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: 23.02.04.0123.14
Lumber			

0 933 /560 /265 946 /-/-/533 /-/-428 /229 /48 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) o Brg Wid = 4.0Min Req = 1.5 (Truss) Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings O, J, & 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.

/Rh

Non-Gravity

/RL

/Rw /U

Gravity

Loc R+

C-D E-F 215 292 - 811 - 702 Ď-Ē 302 - 828 F-G 176 - 630

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

Rt Slider: 2x4 SP #3; block length = 1.750'

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

Top chord: 2x4 SP #2;

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

The overall height of this truss excluding overhang is 9-3-7

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. C	comp.
O - N	592	- 101	M - L	623	-60
N - M	440	-2	L-K	623	-60

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
0 - C	103 -833	G-J	191 - 796	
K - G	593 - 159	H - P	247 - 673	



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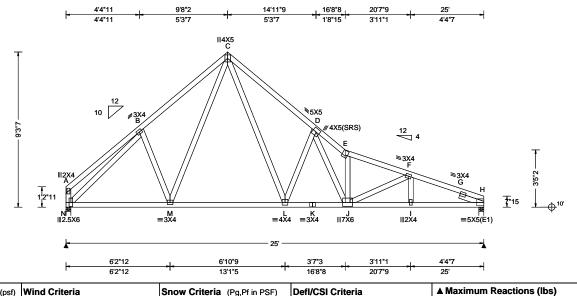
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SEQN: 673692 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T4 FROM: RFG DrwNo: 085.25.0533.57986 Qty: 1 Goodson Renovation Truss Label: H3 KD / FV 03/26/2025



TCLL: 20.00
Waxiiiuiii Top Ciloru Forc
Loc. from endwall: not in 9.00 ft GCpi: 0.18 FT/RT:20(0)/10(0) Plate Type(s):
Wind Duration: 1.60 WAVE VIEW Ver: 23.02.04.0123.14 B - C 354 - 1182 E C - D 419 - 1520 F D - E 526 - 2480 G

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

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

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

Left 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 9-3-7.

II I Delicette)	Jucii	μ π		_			
VERT(LL):	0.103 E	999	360	Loc	: R+	/ R-	/ Rh	/ Rw
VERT(CL):							/-	/602
HORZ(LL):			-	Н	1041	/-	/-	/572
HORZ(TL):	0.097 C	-	-				based on	
l				l NI	D== 14	1:-1	0 F Min	Dag 4

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.
N - M	877	- 110	K-J	1445	- 203
M - L	717	0	J - I	2109	- 365
L-K	1445	- 203	I-H	2112	- 363

415 - 2269

394 - 2023

408 - 2301

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
 N - В	163 - 1202	D-J	1299 - 273	
C - L	1020 - 252	E - J	248 - 1036	
I - D	317 - 908			



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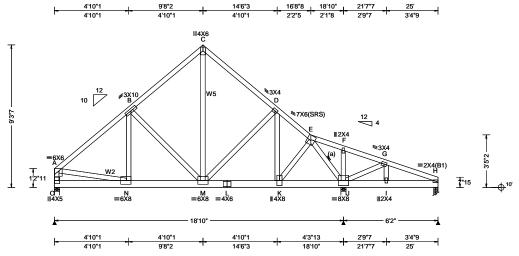
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SEQN: 673715 / COMN Ply: 2 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T54 FROM: RFG Qty: 1 DrwNo: 085.25.0533.58252 Goodson Renovation Truss Label: H4 KD / FV 03/26/2025

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.068 M 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.137 M 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.024 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.049 B
NCBCLL: 0.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.418
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.431
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.758
	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: 23.02.04.0123.14
Lumber		Wind	

oer	

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W2,W5 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 5.00" o.c. (Each Row) Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Load	ds			
(Lumber	Dur.Fac.=1.	.25 / Plate [Our.Fac.=1.2	25)
TC: From	33 plf at	0.00 to	33 plf at	16.71
TC: From	31 plf at	16.71 to	31 plf at	22.94
TC: From	61 plf at	22.94 to	61 plf at	25.00
BC: From	10 plf at	0.00 to	10 plf at	22.94
BC: From	20 plf at	22.94 to	20 plf at	25.00
BC: 1418 lb	Conc. Load	at 0.06, 2.	06, 4.06	
BC: 1423 lb	Conc. Load	at 6.06, 7.	.92	
BC: 1409 lb	Conc. Load	at 9.92		
BC: 1402 lb	Conc. Load	at 11.92		
BC: 1437 lb	Conc. Load	at 13.92		
BC: 1410 lb	Conc. Load	at 15.92		
BC: 1474 lb	Conc. Load	at 17.92		

BC: 329 lb Conc. Load at 20.94,22.94

Wind

Wind loads and reactions based on MWFRS. Left end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -551# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

The overall height of this truss excluding overhang is 9-3-7.



▲ Maximum Reactions (lbs)

					-, NI-	0	
		G	ravity		INC	on-Grav	rity
)	Loc	R+	/ R-	/Rh	/Rw	/ U	/ RL
)	0	7512	/-	/-	/-	/91	/-
	J	8978	/-	/-	/-	/144	/-
	Н	-	/-551	/-	/-	/36	/-
	Win	d read	tions bas	sed on M	WFRS		
	0	Brg V	Vid = 4.0	Min R	eq = 3.1	(Truss	s)
	J	Brg V	Vid = 4.0	Min R	eq = 3.3	(Truss	s)
	Н	Brg V	Vid = 3.5	Min R	eq = 1.5	;	-
	Bea	rings (D, J, & H	are a rig	jid surfac	ce.	
	Mer	nbers	not listed	have fo	rces less	than 3	75#
_	Max	cimum	Top Ch	ord For	ces Per	Ply (lbs	s)
	Cho	ords T	ens.Con	np. C	hords	Tens.	Ćomp.

A - B	48 - 3471	E-F	1079	- 12
B - C	34 - 2384	F-G	1097	- 12
C - D	34 - 2383	G - H	797	0
D-E	31 - 2702			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. Comp.		
N - M	2588	-32	K-J	1257	- 17	
M - L	2065	- 23	J - I	0	- 758	
L-K	2065	- 23	I - H	0	- 744	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - O	43 - 2692	C - M	2929 - 6
A - N	2628 - 29	D-K	416 0
N - B	1423 0	K-E	1474 - 10
B - M	18 - 1102	FJ	46 - 3974

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

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



SEQN: 673705 / HIP_ Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T26 Ply: 1 FROM: RFG DrwNo: 085.25.0533.57387 Qty: 1 Goodson Renovation Truss Label: HJ1 KD / FV 03/26/2025 6'2"7 10'1"5 6'2"7 3'10"14 12 1.45 С **≡3X4** 11'2"14 Α ΙП П **≡3X4** E D **∥2**X4 $\equiv 3X4(A4)$ -- 1'4"10 -- 6'2"7 3'7"14 6'2"7 9'10"5 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Non-Gravity Wind Std: ASCE 7-22 Ct: NA CAT: NA Gravity TCLL: 20.00 Pg: NA PP Deflection in loc L/defl L/# Loc R+ /R /Rh /Rw /U /RL Speed: 130 mph TCDL: 10.00 Pf: NA VERT(LL): 0.041 F 999 360 Ce: NA Enclosure: Closed VERT(CL): 0.099 F BCII: 0.00 Lu: NA Cs: NA 999 240 Α 352 /-Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.006 E D 281 /-/-/32 /-EXP: C Kzt: NA 53 /13 /-HORZ(TL): 0.015 E Des Ld: 40.00 Mean Height: 15.00 ft Wind reactions based on MWFRS **Building Code:** Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Brg Wid = 10.1 Min Req = 1.5 (Truss) FBC 8th Ed. 2023 Res. Max TC CSI: 0.362 Soffit: 2.00 BCDL: 5.0 psf Brg Wid = 1.5 Min Req = -TPI Std: 2014 Max BC CSI: 0.596 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Brg Wid = 1.5 Min Req = -Rep Fac: Varies by Ld Case Max Web CSI: 0.149 Spacing: 24.0 " C&C Dist a: 3.00 ft Bearing A is a rigid surface. Loc. from endwall: Any FT/RT:20(0)/10(0) Members not listed have forces less than 375# Plate Type(s): GCpi: 0.18 Maximum Top Chord Forces Per Ply (lbs) VIEW Ver: 23.02.04.0123.14 Wind Duration: 1.60 WAVE Chords Tens.Comp. Lumber A - B 152 - 1179 Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Maximum Bot Chord Forces Per Ply (lbs) Webs: 2x4 SP #3; Tens. Comp. Chords Tens.Comp. Chords **Special Loads** A - F 1163 - 150 F-E 1136 - 156 ---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 2 plf at 0.00 to 2 plf at 20 plf at 10.11 Maximum Web Forces Per Ply (lbs) BC: From 20 plf at 2 plf at 0.00 to 4 32 Webs Tens.Comp. BC: From 4.32 to 10.11 2 plf at 48 lb Conc. Load at 4.32 B - E 160 - 1163

49 lb Conc. Load at 4.62 TC: TC: 112 lb Conc. Load at 7.23 108 lb Conc. Load at 7.38 36 lb Conc. Load at 4.32 BC: 38 lb Conc. Load at 4.62 BC: 75 lb Conc. Load at 7.23 BC: 73 lb Conc. Load at 7.38

Wind

Wind loads and reactions based on MWFRS. Left cantilever is exposed to wind

Additional Notes

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is 1-6-6.



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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.

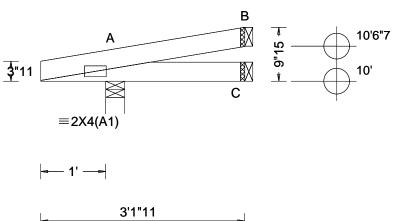
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SEQN: 673693 / JACK Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T25 FROM: RFG Qty: 1 DrwNo: 085.25.0533.58472 Goodson Renovation Truss Label: J1 KD / FV 03/26/2025





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Τ.
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 7-22 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 BWFRS 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 8th Ed. 2023 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): 0.001 A 999 360 VERT(CL): 0.002 A 999 240 HORZ(LL): 0.000 A HORZ(TL): 0.000 A Creep Factor: 2.0 Max TC CSI: 0.074 Max BC CSI: 0.038 Max Web CSI: 0.000	
Lumber			<u> </u>	_

3'1"11

▲ M	aximı	ım Rea	actions (II	os)		
	G	ravity	-	No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	165	/-	/-	/118	/55	/22
С	36	/- /-	/-	/18	/-	/-
	48	/-	/-	/18	/20	/-
Win	d read	ctions b	ased on N	/WFRS		
Α	Brg V	Vid = 3	.5 Min F	Req = 1.5	(Trus	s)
С	Brg V	Vid = 1	.5 Min F	Req = -	•	•
В	Brg V	Vid = 1	.5 Min F	Req = -		
Bea	ring A	is a rig	gid surface).		
Mer	nbers	not list	ed have fo	orces les	s than	375#
			ed have fo		s than	375#

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

Wind loads based on MWFRS with additional C&C

Left 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 0-9-15.



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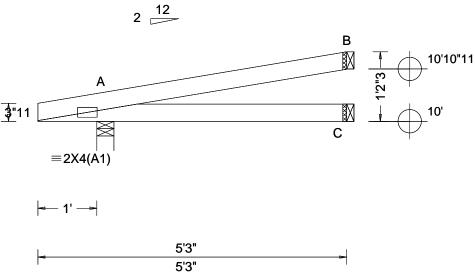
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SEQN: 673694 / JACK Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T24 FROM: RFG DrwNo: 085.25.0533.57512 Qty: 1 Goodson Renovation Truss Label: J2 KD / FV 03/26/2025



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 7-22 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 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 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): 0.009 A 999 360 VERT(CL): 0.019 A 999 240 HORZ(LL): 0.003 A HORZ(TL): 0.006 A Creep Factor: 2.0 Max TC CSI: 0.236 Max BC CSI: 0.177 Max Web CSI: 0.000	
Lumbor		•	•	_

▲ M	laxim	um Rea	actions (II	os)		
	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	260	/-	/-	/134	/46	/31
С	75	/- /-	/-	/41	/-	/-
	112		/-	/42	/44	/-
Win	d read	ctions b	ased on N	/WFRS		
Α	Brg V	Vid = 3	.5 Min F	Req = 1.5	(Trus	s)
С	Brg V	Vid = 1	.5 Min F	Req = -	•	•
В	Brg V	Vid = 1	.5 Min F	Req = -		
Bea	ring A	is a rig	gid surface). •		
Mer	nbers	not list	ed have fo	orces les	s than	375#

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

Wind loads based on MWFRS with additional C&C

Left 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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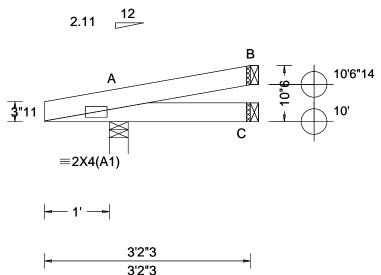
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SEQN: 673695 / JACK Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T28 FROM: RFG DrwNo: 085.25.0533.57435 Qty: 1 Goodson Renovation Truss Label: J3 KD / FV 03/26/2025



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 7-22 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 BCDL: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 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): 0.001 A 999 360 VERT(CL): 0.002 A 999 240 HORZ(LL): 0.000 A HORZ(TL): 0.001 A Creep Factor: 2.0 Max TC CSI: 0.074 Max BC CSI: 0.039 Max Web CSI: 0.000	1

	▲ Maximum Reactions (lbs)									
		G	ravity		No	n-Grav	ity			
0	Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL			
0	Α	167	/-	/-	/119	/55	/23			
-	С	38	/-	/-	/19	/-	/-			
-	В	49	/-	/-	/18	/21	/-			
	Win	d reac	tions bas	sed on MV	VFRS					
	Α	Brg W	/id = 3.5	Min Re	q = 1.5	(Truss)			
	С	Brg W	/id = 1.5	Min Re	q = -					
	В	Brg W	/id = 1.5	Min Re	q = -					
	Bea	ring A	is a rigio	surface.						
	Mer	nbers	not listed	I have force	es less	than 3	75#			

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

Wind loads based on MWFRS with additional C&C

Left 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 0-10-6.



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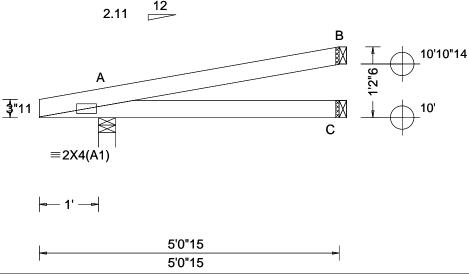
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SEQN: 673696 / JACK Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T27 FROM: RFG Qty: 1 DrwNo: 085.25.0533.57969 Goodson Renovation Truss Label: J4 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.007 A 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.015 A 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 A
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.005 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.218
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.159
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: 23.02.04.0123.14
Lumbor	·	·	

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 254 /-/131 /32 73 /-/39 /40 108 /43 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing A 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

Left 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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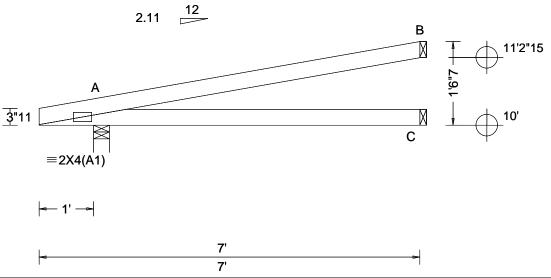
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SEQN: 673697 / **EJAC** Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T30 FROM: RFG Qty: 8 DrwNo: 085.25.0533.58786 Goodson Renovation Truss Label: J5 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	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 A 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.048 A 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.008 A
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.018 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.528
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.363
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: 23.02.04.0123.14
Lumber	•		

A N	/laxim	um Rea	actions (II	bs)		
	G	avity	-	. No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	328	/-	/-	/169	/58	/44
С	110	/-	/-	/59	/-	/-
В	328 110 162	/-	/-	/62	/64	/-
Wii			ased on N	IWFRS		
Α	Brg V	Vid = 3	.5 Min F	Req = 1.5	(Trus	s)
С	Brg V	Vid = 1	.5 Min F	Req = -	•	•
В			.5 Min F			
Bea	aring A	is a rig	gid surface	e		
Ме	mbers	not list	ed have fo	orces les	s than	375#

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

Wind loads based on MWFRS with additional C&C

Left 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 1-6-7.



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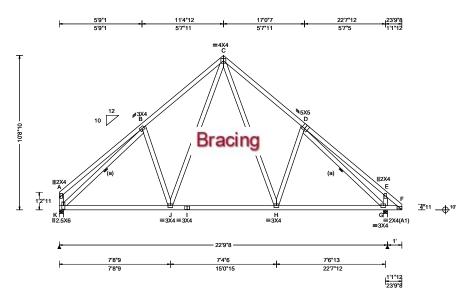
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SEQN: 673698 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T8 FROM: RFG Qty: 2 DrwNo: 085.25.0533.58740 Goodson Renovation Truss Label: K1 KD / FV 03/26/2025



Loading Criteria (psf) W	Vind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCDL: 10.00 Sp BCLL: 0.00 Er BCDL: 10.00 Ei Des Ld: 40.00 MCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Speed: 130 mph inclosure: Closed kisk Category: II kXP: C Kzt: NA Mean Height: 15.56 ft CDL: 5.0 psf KDDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 c&C Dist a: 3.00 ft oc. from endwall: Any GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 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): 0.035 J 999 360 VERT(CL): 0.065 J 999 240 HORZ(LL): 0.019 E HORZ(TL): 0.035 E Creep Factor: 2.0 Max TC CSI: 0.415 Max BC CSI: 0.666 Max Web CSI: 0.532 VIEW Ver: 23.02.04.0123.14

	▲ Maximum Reactions (lbs)									
	Gravity Non-Gravity									
,	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
)	κ	1140) /-	/-	/561	/146	/308			
	G	1261	/-	/-	/661	/155	/-			
	Win	d rea	actions ba	sed on	MWFRS					
	K	Brg	Wid = 3.5	5 Min	Req = 1.5	(Trus	s)			
	G	Brg	Wid = 3.5	5 Min	Req = 1.5	(Trus	s)			
	Bea	rings	K&Ga	re a rigio	d surface.	•	•			
	Members not listed have forces less than 375#									
	Max	imu	m Top C	hord Fo	rces Per	Ply (lb	s)			
					Chords					
	В-(С	492 - 1	230	C-D	483	- 1195			

Maximum Bot Chord Forces Per Ply (lbs)									
Chords	Tens.C	comp.	Chords	Tens. C	Comp.				
K - J J - I		- 135 - 31	I - H H - G	654 888	-31 -94				

Maximum Web Forces Per Ply (lbs)								
Webs	Tens.Comp.	Webs	Tens. Comp.					
K-B J-C	166 - 1183 580 <i>-</i> 227	C-H D-G	507 - 216 130 - 1057					

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

(a) Continuous lateral restraint equally spaced on

Loading

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

Wind

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

Left 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 10-8-10.



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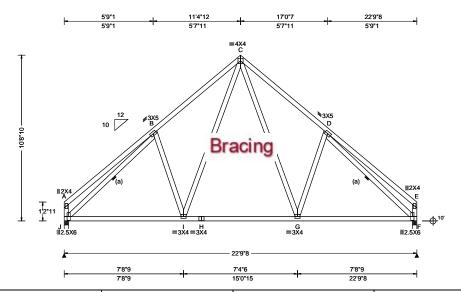
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SEQN: 673699 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T3 FROM: RFG Qty: 10 DrwNo: 085.25.0533.58457 Goodson Renovation Truss Label: K2 KD / FV 03/26/2025



TCLL: 20.00	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 "	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.97 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	VERT(LL): 0.037 G 999 360 VERT(CL): 0.068 G 999 240 HORZ(LL): 0.024 E HORZ(TL): 0.044 E Creep Factor: 2.0 Max TC CSI: 0.417 Max BC CSI: 0.658

▲ Maximum Reactions (lbs)								
	G	ravity		No	n-Grav	/ity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
J	1157	/-	/-	/569	/154	/287		
F	1157	/-	/-	/569	/154	/-		
Win	d reac	tions bas	sed on I	MWFRS				
J	Brg V	/id = 3.5	Min	Req = 1.5	(Truss	s)		
F	Brg V	/id = 3.5	Min	Req = 1.5	(Truss	s)		
Bea	rings .	J & F are	a rigid	surface.				
Members not listed have forces less than 375#								
Maximum Top Chord Forces Per Ply (lbs)								
Cho	rds T	ens.Con	np.	Chords	Tens.	Ćomp.		
В-0	2	518 - 12	253	C - D	519	- 1253		

Lumber

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

(a) Continuous lateral restraint equally spaced on

Loading

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

Wind

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

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 10-8-10.

Maximum Bot Chord Forces Per Ply (lbs)								
Chords	Tens.C	comp.	Chords	Tens. Comp.				
J - I I - H	943 673	- 159 - 24	H - G G - F	673 943	- 24 - 157			

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. 186 - 1205 J-B C-G 574 - 242 I-C D-F 185 - 1205 573 - 242



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SEQN: 673719 / FROM: RFG

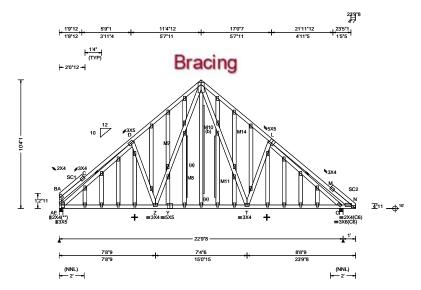
Page 1 of 2

Ply: 1 Qty: 1

GABL

Job Number: 23-8896 Goodson Renovation Truss Label: K3

Cust: R 215 JRef: 1Y8M2150001 T13 DrwNo: 085.25.0533.58771 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.076 C 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.218 C 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.056 C
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.32 ft		HORZ(TL): 0.162 C
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.773
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.571
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.885
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

Lumber

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

Webs: 2x4 SP #3; M7,M8,M10,M11,M14 2x4 SP M-31;

Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

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

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/174.

+ Member to be laterally braced for horizontal wind loads. bracing system to be desiged and furnished by others.

Gable Reinforcement

(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(b) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

▲ Maximum Reactions (lbs)

	~		V (,				
	G	ravity		Non-Gravity				
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
AE 1	470	/-	/-	/598	/166	/338		
0 1	610	/-	/-	/704	/178	/-		
Wind	reac	tions b	ased on	MWFRS				
AE E	Brg W	/id = 3.	5 Min	Req = 1.7	(Truss	()		
O E	3rg W	/id = 3.	5 Min	Req = 1.5	(Truss	.)		
Beari	ngs /	AE & O	are a rig	gid surface	e	-		
Memb	oers	not liste	ed have i	forces less	s than 3	75#		
Maximum Top Chord Forces Per Ply (lbs)								
Chord	ds T	ens.Co	mp.	Chords	Tens.	Ćomp.		
A - C		200	- 379	L-M	336	- 555		
D-H				M - N	708	- 439		

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.		Chords Tens		. Comp.	
AE-Z					-33	
Z - Y	920	-33	T - O	1244	- 123	

688 - 1273

Maximum Web Forces Per Ply (lbs)

643 - 1615

Webs	Tens.Comp.	Webs	Tens. Comp.
B -AE	196 - 391	Z - H	682 - 338
AE- D	170 - 1542	H - T	614 - 329
D - Z	319 - 452	L - O	74 - 1290



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SEQN: 673719 / GABL Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T13 FROM: RFG DrwNo: 085.25.0533.58771 Qty: 1 Goodson Renovation Page 2 of 2 Truss Label: K3 KD / FV 03/26/2025

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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 10-4-1.



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SEQN: 673717 / FROM: RFG

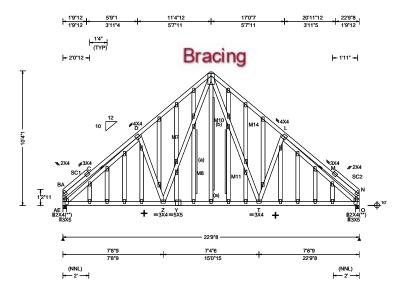
Page 1 of 2

Ply: 1 Qty: 1

GABL

Job Number: 23-8896 Goodson Renovation Truss Label: K4

Cust: R 215 JRef: 1Y8M2150001 T1 DrwNo: 085.25.0533.57970 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.076 M 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.220 M 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.056 C
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.163 C
NCBCLL: 10.00	Mean Height: 15.59 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.773
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.499
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.960
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

Gable Reinforcement

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

Webs: 2x4 SP #3; M7,M8,M10,M11,M14 2x4 SP M-31;

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.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/174.

+ Member to be laterally braced for horizontal wind loads. bracing system to be desiged and furnished by others.

(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(b) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

▲ Maximum Reactions (lbs)

	A IVIANI	illulli ne	actions (ii	usj		
		Gravity		No	on-Grav	/ity
0	Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL
0	AE 149	93 /-	/-	/607	/172	/314
	0 149	93 /-	/-	/607	/172	/-
	Wind re	eactions l	pased on N	IWFRS		
	AE Bro	Wid = 3	3.5 Min F	Req = 1.8	3 (Truss	s)
	O Br	Wid = 3	3.5 Min F	Req = 1.8	3 (Truss	s)
	Bearing	s AE & C	are a rigi	d surface	e.`	,
	Membe	rs not list	ted have fo	orces less	s than 3	375#
	Maxim	um Top	Chord Fo	rces Per	Ply (lb:	s)
	Chords	Tens.C	omp. (Chords	Tens.	Ćomp.
		000	004		077	4740
	A - C	203		H - L	677	- 1710
	D - H	678 -	- 1710 l	M - N	203	- 381

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.		Chords	Tens. Comp.		
AE- Z	1335	- 198	Y - T		- 25
Z - Y	946	- 25	T - O		- 195

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B -AE	207 - 392	H - T	677 - 351
AE- D	188 - 1573	T - L	333 - 449
D-Z	333 - 450	L-0	188 - 1573
Z - H	680 - 352	N - O	207 - 393



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SEQN: 673717 / GABL Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T1 FROM: RFG DrwNo: 085.25.0533.57970 Qty: 1 Goodson Renovation Page 2 of 2 Truss Label: K4 KD / FV 03/26/2025

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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 10-4-1.



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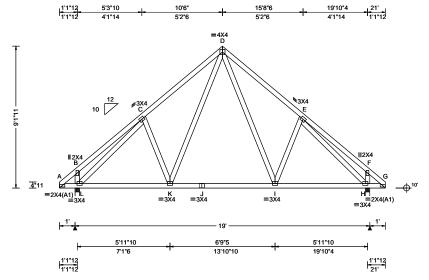
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SEQN: 673702 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T49 FROM: RFG Qty: 9 DrwNo: 085.25.0533.58802 Goodson Renovation Truss Label: L1 KD / FV 03/26/2025



	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 Wind Std: ASCE 7-22 TCDL: 10.00 Speed: 130 mph ECLL: 0.00 Enclosure: Closed BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Wind Std: ASCE 7-22 Speed: 130 mph ER/S 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 8th Ed. 2023 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): 0.018 K 999 360 VERT(CL): 0.036 K 999 240 HORZ(LL): 0.011 F HORZ(TL): 0.022 F Creep Factor: 2.0 Max TC CSI: 0.292 Max BC CSI: 0.492 Max Web CSI: 0.660 VIEW Ver: 23.02.04.0123.14

▲ Maximum Reactions (lbs)								
Gravity				No	Non-Gravity			
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
L	978	/-	/-	/556	/121	/262		
Н	978	/-	/-	/556	/121	/-		
Wir	nd rea	ctions b	ased on	MWFRS				
L	Brg '	Wid = 3.	5 Min	Req = 1.5	(Trus	s)		
Н	Brg '	Wid = 3.	5 Min	Req = 1.5	(Trus	s)		
Bea	arings	L&Ha	re a rigio	d surface.	•	•		
Mei	mbers	not liste	ed have	forces less	s than 3	375#		
Max	Maximum Top Chord Forces Per Ply (lbs)							
				Chords				
c-	D	420	- 891	D - E	420	- 890		

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.

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

Additional Notes

The overall height of this truss excluding overhang is

Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.Comp.		Chords	Tens. Comp.		
L-K K-J		- 132 - 33	J - I I - H	476 646	- 33 - 93	

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.C	Comp.	Webs	Webs Tens. Co			
L-C	181	- 942	E-H	181	- 941		



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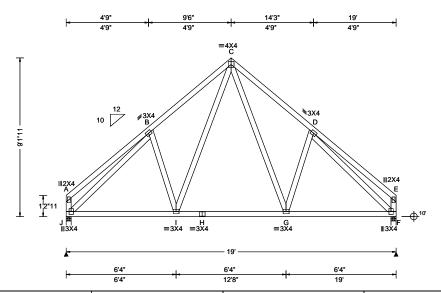
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SEQN: 673703 / COMN Ply: 1 Job Number: 23-8896 Cust: R 215 JRef: 1Y8M2150001 T29 FROM: RFG DrwNo: 085.25.0533.58284 Qty: 1 Goodson Renovation Truss Label: L2 KD / FV 03/26/2025



TCLL: 20.00 Wind Std: ASCE 7-22 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): 0.017 l 999 36l BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(CL): 0.037 l 999 24l	
BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Risk Category: II EXP: C Kzt: NA Mean Height: 15.18 ft TCDL: 5.0 psf BCDL: 5.0 psf BCBR: Ed. 2023 Res. Building Code: Creep Factor: 2.0 Max TC CSI: 0.279 Max BC CSI: 0.411 Max Web CSI: 0.696 BCDL: 5.0 psf BCDL: 5.0 psf BCBL: 5.0 psf BCBR: Ed. 2023 Res. BUILDING Code: Creep Factor: 2.0 FBC 8th Ed. 2023 Res. BUILDING Code: Creep Factor: 2.0 Max TC CSI: 0.279 Max BC CSI: 0.411 Max Web CSI: 0.696 BCDL: 5.0 psf BCBR: Ed. 2023 Res. BUILDING Code: Creep Factor: 2.0 Was BC CSI: 0.411 Max Web CSI: 0.696 BCDL: 5.0 psf	

▲ M	▲ Maximum Reactions (lbs)								
	C	avity		No	on-Grav	vity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
J	817	/-	/-	/472	/-	/238			
F	817	/-	/-	/472	/-	/-			
Wir	nd rea	ctions b	ased on	MWFRS					
J	Brg \	Nid = 3.	5 Min	Req = 1.5	(Trus	s)			
F	Brg \	Nid = 3.	5 Min	Req = 1.5	(Trus	s)			
Bea	arings	J&Fa	re a rigio	d surface.	•	•			
Mei	mbers	not list	ed have	forces less	s than 3	375#			
Max	Maximum Top Chord Forces Per Ply (lbs)								
				Chords					
В-	С	302	- 841	C - D	302	- 841			

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.

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

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.C	comp.	Chords	Tens. C	omp.
J - I I - H	628 450	- 108 - 21	H-G G-F	450 628	- 21 - 67

Vlaxim	aximum Web Forces Per Ply (lbs)					
<i>N</i> ebs	Tens.Comp.	Webs	Tens. Comp.			
J - B	83 -832	D-F	82 -832	_		



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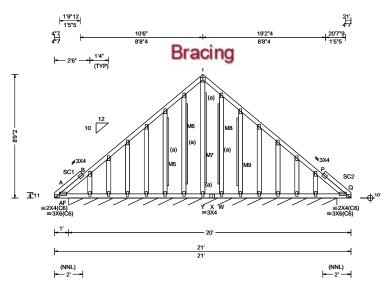
SEQN: 673721 / FROM: RFG

GABL

Ply: 1 Qty: 1

Job Number: 23-8896 Goodson Renovation Truss Label: L3

Cust: R 215 JRef: 1Y8M2150001 T52 DrwNo: 085.25.0533.58269 KD / FV 03/26/2025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	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 Q 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.006 Q 999 240
10.00 I	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 O
Dec 1 4: 40 00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.008 G
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.137
l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.094
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.758
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14
Lumber		Additional Natos	

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL AF* 135 /-Wind reactions based on MWFRS AF Brg Wid = 227 Min Req = Bearing AF is a rigid surface. Members not listed have forces less than 375# Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. 1 - Y 0 - 386

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; M5,M6,M8,M9 2x4 SP #2;

M7 2x4 SP M-31;

Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

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

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/201.

Gable Reinforcement

(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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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CLR Reinforcing Member Substitution

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

Notes:

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

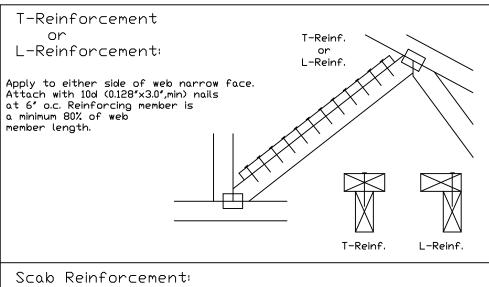
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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

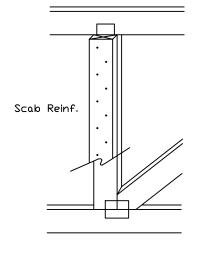
Web Member	Specified CLR	Alternative Reir	
Size	Restraint	T- or L- Reinf.	
2x3 or 2x4	1 row	2×4	1-2×4
2x3 or 2x4	2 rows	2×6	2-2×4
2×6	1 row	2×4	1-2×6
2×6	2 rows	2×6	2-2×4(米)
2×8	1 row	2×6	1-2×8
2×8	2 rows	2×6	2-2×6(*)

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

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



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



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

For more information see this job's general notes page and these web sites:
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