



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

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Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 24-0942
Job Description: Reed & Susan Kellner Addtn	
Address: Lake City, FL	

Job Engineering Criteria:			
Design Code: FBC 8th Ed. 2023 Res.	IntelliVIEW Version: 23.02.04		
	JRef #: 1Y3e2150007		
Wind Standard: ASCE 7-22 Wind Speed (mph): 130	Design Loading (psf): 40.00, 55.00		
Building Type: Closed			

This package contains general notes pages, 50 truss drawing(s) and 4 detail(s).

Item	Drawing Number	Truss
1	263.24.1633.38013	A01
3	263.24.1633.45150	A03
5	263.24.1633.51543	A05
7	263.24.1633.58487	A07
9	263.24.1634.04477	A09
11	263.24.1634.08550	A11
13	263.24.1634.12663	A13
15	263.24.1634.17483	A15
17	263.24.1233.08344	F01
19	263.24.1233.08282	F03
21	263.24.1233.08094	F05
23	263.24.1233.08000	F07
25	263.24.1233.08125	F09
27	263.24.1635.03993	HJ01
29	263.24.1635.17487	HJ03
31	263.24.1635.40473	J01
33	263.24.1635.46973	J03
35	263.24.1635.54193	J05
37	263.24.1636.01487	J07
39	263.24.1636.07247	J09
41	263.24.1636.12977	J11
43	263.24.1636.19007	J13
45	263.24.1636.26087	P01
47	263.24.1636.31760	P03
49	263.24.1636.42480	P05

Item	Drawing Number	Truss
2	263.24.1633.42107	A02
4	263.24.1633.48590	A04
6	263.24.1633.54813	A06
8	263.24.1634.01593	A08
10	263.24.1634.06547	A10
12	263.24.1634.10630	A12
14	263.24.1634.14987	A14
16	263.24.1634.37990	A16 F02
18	263.24.1233.07984	F02 F04 F06 F06 F07 F08 F08 F09 F09 F09 F09 F09 F09 F09 F09 F09 F09
20	263.24.1233.07968	F04 Plans Reviewed
22	263.24.1233.08312	F06 for Code
24	263.24.1233.08266	F06 F08 F10 Reviewed for Code Compliance
26	263.24.1233.08203	F10
28	263.24.1635.10237	HJ02
30	263.24.1635.23643	HJ04 of Floring
32	263.24.1635.44497	J02
34	263.24.1635.50480	J04
36	263.24.1635.57990	J06
38	263.24.1636.04583	J08
40	263.24.1636.10080	J10
42	263.24.1636.15537	J12
44	263.24.1636.22483	J14
46	263.24.1636.28503	P02
48	263.24.1636.34037	P04
50	263.24.1636.46357	P06





COA #0 278 Florida Certificate of Product Approval #FL1999 09/19/2024 Alpine, an ITW Company 155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 Phone: (800)755-6001 www.alpineitw.com

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Customer: W. B. Howland Company, Inc.	Job Number: 24-0942	
Job Description: Reed & Susan Kellner Addtn		
Address: Lake City, FL		

Item	Drawing Number	Truss
51	BRCLBSUB0119	
53	LSCSYX2A1014	

Item	Drawing Number	Truss
52	CNSY42PL0118	
54	STRBRIBR1014	

### **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

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/#
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 1.231 H 387 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 2.465 H 193 180
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.410 N
Dec 1 4 10 00	EXP: C Kzt: NA		HORZ(TL): 0.822 N
NCBCLL: 0.00	Mean Height: 20.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.878
l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.835
Spacing: 24.0 "	C&C Dist a: 4.00 ft ft	Rep Fac: No	Max Web CSI: 0.721
	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS, 18SS	VIEW Ver: 23.02.04.0123.14
Lumber		Purlins	

### Lumber

Top chord: 2x4 SP M-31; T2,T3 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W3,W19 2x4 SP #2;

### **Nailnote**

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

Use equal spacing between rows and stagger nails in each row to avoid splitting.

# Special Loads

(Lumber	Dur.Fac.=1	.25 / Plate [	Dur.Fac.=1.2	25)
TC: From	62 plf at	-1.50 to	62 plf at	7.00
TC: From	31 plf at	7.00 to	31 plf at	33.00
TC: From	62 plf at	33.00 to	62 plf at	41.50
BC: From	4 plf at	-1.50 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.12
BC: From	10 plf at	7.12 to	10 plf at	32.88
BC: From	20 plf at	32.88 to	20 plf at	40.00
BC: From	4 plf at	40.00 to	4 plf at	41.50
TC: 361 lb				

TC: 201 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,20.94,22.94,24.94,26.94,28.94,30.94

354 lb Conc. Load at 32.97

BC: 611 lb Conc. Load at 7.03 BC: 136 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,20.94,22.94,24.94,26.94,28.94,30.94

BC: 618 lb Conc. Load at 32.97

### **Plating Notes**

All plates are 3X4 except as noted.

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

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

### Additional Notes

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

Shim all supports to solid bearing.

# WALL LANGES OF SELECTIONS \$10NAL COA #0 278 WAA Florida Certificate of Product Approval #FL1999 09/19/2024

▲ Maximum Reactions (lbs)

Gravity Non-Gravity Loc R+ /R /Rh /Rw /<mark>U</mark> /RL AA 4198 /-/1413 /-N 4198 /-/-/1413 /-

Wind reactions based on MWFRS

AA Brg Wid = 5.5 Min Req = 1.7 (Truss)

N Brg Wid = 5.5 Min Req = 1.7 (Truss) Bearings AA & N are a rigid surface.

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

Choras	rens.comp.	Choras	rens. Comp.
B-C	2236 - 6666	H-I	4586 - 13451
C-D	2874 - 8491	I - J	4452 - 13068
D - E	2738 - 8110	J-K	4093 - 12030
E-F	4093-12030	K-L	2738 - 8110
F-G	4452-13068	L - M	2874 - 8490
G-H	4586- 13451	M - N	2236 - 6666

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. C	omp.
B-Z	6107 - 2045	U - T	13136	- 4484
Z - Y	6357 - 2120	T - S	12162	- 4148
Y - X	10339 - 3515	S - R	10339	- 3515
X - W	10339 - 3515	R - Q	10339	- 3515
W - V	12162 - 4148	Q - P	6358	- 2120
V - U	13136 - 4484	P - N	6107	2045

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
Z - C	277 - 747	T - J	1030	- 345
C-Y	1786 - 622	J-S	304	- 731
D - Y	2835 - 897	S - K	1892	- 647
Y - E	871 - 2497	K-Q	871	- 2497
E - W	1892 - 647	Q-L	2838	- 899
W - F	304 - 731	Q - M	1786	-622
F-V	1030 - 345	M - P	277	- 747

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

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

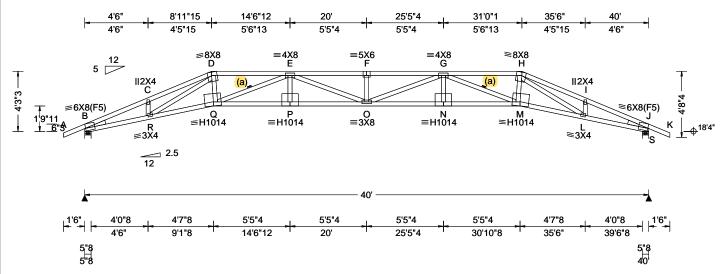
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installiers shall provide temporary bracing per BCSI.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

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TP1 1 Sec. 2.

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



SEQN: 783058 HIPS Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T57 FROM: CDM Qty: 1 Reed & Susan Kellner Addtn DrwNo: 263.24.1633.42107 Truss Label: A02 NW / DF 09/19/2024



Loading Criteria (psf)   TCLL: 20.00   TCDL: 10.00   BCLL: 0.00   BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	Defl/CSI Criteria	▲ Maximum Reactions (lbs)   Gravity   Loc R+ /R- /Rh /   B 1703 /- /- /5   S 1703 /- /- /5
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 20.52 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.00 ft ft Loc. from endwall: not in 6.50 ft	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	HORZ(TL): 0.928 J Creep Factor: 2.0  Max TC CSI: 0.682  Max BC CSI: 0.949  Max Web CSI: 0.745	Wind reactions based on MWF B Brg Wid = 5.5 Min Req: S Brg Wid = 5.5 Min Req: Bearings B & S are a rigid surfa Members not listed have forces Maximum Top Chord Forces Chords Tens.Comp. Chor
Lumber	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE, HS	VIEW Ver: 23.02.04.0123.14	B - C 2679 - 5261 F - G C - D 2700 - 5145 G - H

)	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	_
)	В	1703	/-	/-	/943	/494	/112	
	s	1703	/-	/-	/943	/494	/-	
	Win	d reac	tions bas	sed on	<b>MWFRS</b>			
	В	Brg W	/id = 5.5	Min	Req = 1.5	5 (Truss	s)	
	S	Brg W	/id = 5.5	Min	Req = 1.5	5 (Truss	s)	
	Bea	rings E	3 & S are	a rigio	d surface.			
	Men	nbers	not listed	have	forces les	s than 3	375#	
	Maximum Top Chord Forces Per Ply (lbs)							
	Cho	rds T	ens.Con	np.	Chords	Tens.	Comp.	
-	B - 0	`	2679 - 52	261	F-G	4179	- 7569	
	C - I	-	2700 - 5°		G-H	2943	- 5421	
	D - F		2957 - 54	-	H-I	2690	-5145	
		=		-00	:: ::	2000	5004	

Non-Gravity

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

Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member.

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

### Wind

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

Wind loading based on both gable and hip roof types.

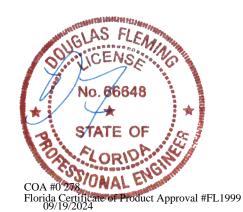
### **Additional Notes**

The overall height of this truss excluding overhang is

Shim all supports to solid bearing.

Maximu	ım Bot Chord F	Forces Per	Ply (lbs)
Chords	Tens.Comp.	Chords	Tens. Comp
B - R	4787 - 2416	O - N	6999 - 367
R - Q	5448 - 2797	N - M	6999 - 367
Q-P	6999 - 3706	M - L	5448 - 276
P - O	6999 - 3706	L-J	4787 - 239

Webs	Tens.Comp.	Webs	Tens.	Comp.
R - D	452 - 702	O - G	614	- 392
D - Q	1956 - 972	G - M	1077	- 1698
Q-E	1078 - 1698	M - H	1956	- 970
E - O	614 - 392	H-L	457	- 702



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

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

SEQN: 783060 HIPS Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T51 FROM: CDM Reed & Susan Kellner Addtn Qty: 1 DrwNo: 263.24.1633.45150 Truss Label: A03 NW / DF 09/19/2024 5'6" 10'11"15 17'0"8 22'11"8 29'0"1 34'6" 40' 5'5"15 5'5"15 5'6' 6'0"9 5'11' 6'0"9 5'6' ≡6X6 D =3X8 E ≡5X6 F ≅6X6 G ТЗ **∥2X4** 5'1"3 ≡6X10(F5) B ≥6X10(F5) O ≡H1014 N ≡H0510 M ≡3X4 L ≡H1014 -ф<sup>18'4"</sup> P **≝3X**4 K ≋3X4 2.5 40' 1'6" 5'0"8 5'11" 5'11' 5'11" 5'7"8 5'0"8 5'7"8 5'6" 11'1"8 17'0"8 22'11"8 28'10"8 34'6" 39'6"8 5"8 5"8 5"8 40'

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): 0.866 M 554 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 1.756 M 273 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.462 l
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 20.93 ft		HORZ(TL): 0.937 I
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.963
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.997
Spacing: 24.0 "	C&C Dist a: 4.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.853
	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04.0123.14

### Lumber

Top chord: 2x4 SP M-31; T3 2x4 SP #2; Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3;

Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

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

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

Shim all supports to solid bearing.

riteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs	.)
Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
Ce: NA	VERT(LL): 0.866 M 554 240	Loc R+ /R- /Rh	/Rw /U /RL
Cs: NA	VERT(CL): 1.756 M 273 180	B 1704 /- /-	/952 /481 /132
uration: NA	HORZ(LL): 0.462 I	Q 1704 /- /-	/952 /481 /-
	HORZ(TL): 0.937 I	Wind reactions based on MV	VFRS
Code:	Creep Factor: 2.0	B Brg Wid = 5.5 Min Re	q = 1.5 (Truss)
Ed. 2023 Res.	Max TC CSI: 0.963	Q Brg Wid = 5.5 Min Re	q = 1.5 (Truss)
2014	Max BC CSI: 0.997	Bearings B & Q are a rigid su	urface.
: Yes	Max Web CSI: 0.853	Members not listed have force	ces less than 375#
	Wax Web Col. 0.000	Maximum Top Chord Force	es Per Ply (lbs)
0(0)/10(0)		Chords Tens.Comp. Ch	ords Tens. Com
pe(s):		D 0 0000 FF47 F	0000 54
HS	VIEW Ver: 23.02.04.0123.14	B-C 2639-5517 F- C-D 2682-5405 G-	
		¹C-D 2682-5405 G-	-H 2673 -540

D-E

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

2717 - 5197

3285 - 6225

Chords	Tens.Comp.	Chords	Tens. Comp.	
B - P	5046 - 2386	M - L	6213 - 3067	
P - O	5247 - 2534	L-K	5237 - 2497	
O - N	6230 - 3106	K-I	5049 - 2361	
N - M	6230 - 3106			

H - I

/RL /132 /-

Comp. -5188 - 5409

2630 - 5520

# Maximum Web Forces Per Ply (lbs)

AA GD2	rens.comp.	Mena	rens. Comp.
D - O O - E	1729 - 796 751 - 1128	F-L L-G	747 - 1124 1732 - 804



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

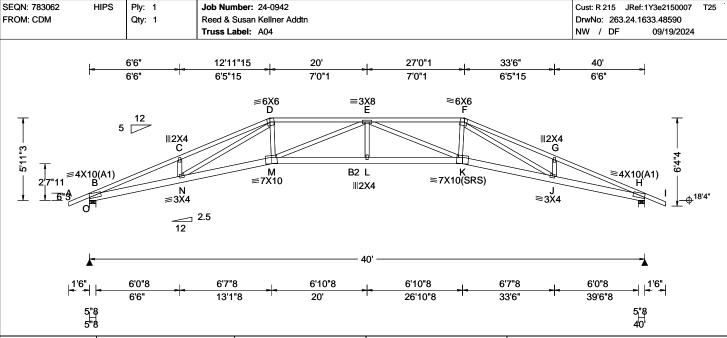
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.35 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.00 ft ft Loc. from endwall: not in 13.00 ft	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)	PP Deflection in loc L/defl L/# VERT(LL): 0.574 L 830 240 VERT(CL): 1.164 L 409 180 HORZ(LL): 0.293 H -	
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 23.02.04.0123.14	В
Lumbar				, C

▲ Maxin	▲ Maximum Reactions (lbs)					
	Gravity		N	Non-Gravity		
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
O 170	5 /-	/-	/955	/477	/149	
H 170	5 /-	/-	/955	/477	/-	
Wind re	actions b	ased on	MWFRS			
O Brg	Wid = 5	5 Min	Req = 1.5	5 (Trus	s)	
H Brg	Wid = 5	5 Min	Req = 1.5	5 (Trus	s)	
Bearing	s O & H a	are a rigi	id surface.			
Member	s not list	ed have	forces les	s than 3	375#	
Maximu	m Top C	hord F	orces Per	Ply (lb	s)	
Chords	Tens.Co	omp.	Chords	Tens.	Comp.	
B-C	2536 -	5664	E-F	2453	- 4983	
C-D	2606 -		F-G	2594	- 5596	
D-F	2460 -	4983	G-H	2523	- 5664	

### Lumber

Top chord: 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; B2 2x6 SP #2;

Webs: 2x4 SP #3;

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is

Shim all supports to solid bearing.

Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.Comp.	Chords	Tens. Comp.			
B-N	5227 - 2300	L-K	5563 - 2556			
N - M	5055 - 2265	K-J	5055 - 2231			
M - L	5563 - 2556	J - H	5227 - 2270			

### Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. D - M 1549 470 - 639 E - K -631 M - E 470 - 631 K-F 1549 - 646



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North Building, 4th Floor Glenview, IL 60025

155 Harlem Ave

SEQN: 783064 HIPS Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T56 FROM: CDM Qty: 1 Reed & Susan Kellner Addtn DrwNo: 263.24.1633.51543 Truss Label: A05 NW / DF 09/19/2024 10' 14'11"15 20' 25'0"1 30 35' 40' 4'11"15 4'11"15 4'11"15 4'11"15 5'0"1 5'0"1 **≤6X6** ≅6X6 G ≡3X8 F ТЗ **≥5X5** T4 ≢3X4 D **≤2X4** M ≡H0610 O ≡H0610 N ∥2X4 ≥6X10(F5) ≡6X10(F5) <del>-</del>ф<sup>18′4"</sup> **≡3X4** ≅3X4 2.5

	<u> </u>		40'	<u> </u>	
1'6"	7'0"8 7'6"	7'7"8 + 4'10"8 15'1"8 + 20'	4'10"8 - 7'7"8 24'10"8 32'6"	7′0"8 39′6"8 → 1	'6 <u>"</u>
ŧ	5"8 "8	1010 20	24100 320	5"8 40'	
. ,	Wind Criteria Wind Std: ASCE 7-22	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (lbs) Gravity	Non-

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): 0.778 N 616 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 1.580 N 303 180	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.463 J	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 21.77 ft		HORZ(TL): 0.941 J	
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.800	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.952	
Spacing: 24.0 "	C&C Dist a: 4.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.607	
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04.0123.14	
Lumber				-

Top chord: 2x4 SP M-31; T3,T4 2x4 SP #2; Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3;

Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

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

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

Shim all supports to solid bearing.

Pf in PSF)	DefI/CSI Criteria		<b>▲</b> M	aximu	ım Rea	ctions (I	bs)		
CAT: NA	PP Deflection in loc L/defl L	#		G	ravity		No	on-Grav	ity .
Ce: NA	VERT(LL): 0.778 N 616		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	VERT(CL): 1.580 N 303	180	В	1706	/-	/-	/959	/478	/171
	HORZ(LL): 0.463 J -	-	Q	1706	/-	/-	/959	/478	/-
	HORZ(TL): 0.941 J -	-	Win	d read	ctions ba	ased on I	MWFRS		
	Creep Factor: 2.0		В	Brg V	Vid = 5.	5 Min l	Req = 1.5	(Truss	s)
es.	Max TC CSI: 0.800 Max BC CSI: 0.952 Max Web CSI: 0.607		Men	rings l nbers	B & Q a not liste	re a rigid ed have f	Req = 1.5 I surface. orces less rces Per	` s than 3	, 375#
			Cho	rds 1	Γens.Co	mp.	Chords	Tens.	Comp.
	VIEW Ver: 23.02.04.0123.14		B - (	-	2323 - 5 2297 - 5		F - G G - H	2086 2185	- 4561 - 4945
	l .		- C - I	D	2297 - 5	5543	G - H	2185	- 4

D-E

# Maximum Bot Chord Forces Per Ply (lbs)

2202 - 4947

2102 - 4563

Cnoras	rens.Comp.	Cnoras	rens. Comp.
B - P	5149 - 2096	N - M	4809 - 1963
P - O	5255 - 2155	M - L	5250 - 2122
O - N	4809 - 1963	L-J	5143 - 2066

H - I

- 5616

2282 - 5539

2309

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
D - O	306 - 638	M - G	1591	- 615	
F - O	1594 - 610	M - H	306	- 635	



COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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

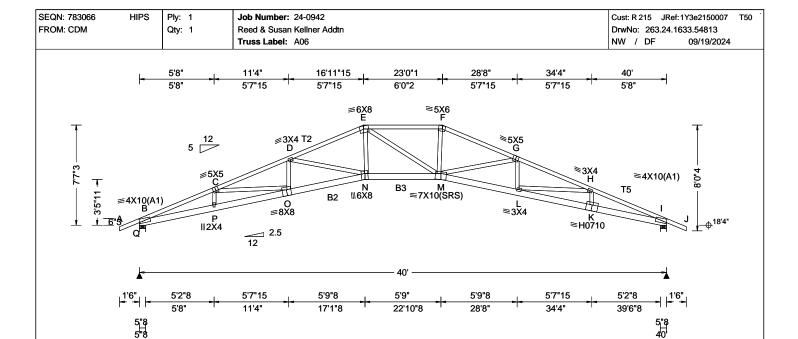
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



Loading	Criteria (psf)	Wind Criteria	Snow Criter	ia (Pg,	,Pf in PSF)	Defl/CSI Cri	teria		
TCLL:	20.00	Wind Std: ASCE 7-22	Pg: NA C	t: NA	CAT: NA	PP Deflection	n in loc	L/defl	L/#
TCDL:	10.00	Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL):	0.540 N	N 882	240
BCLL:	0.00	Enclosure: Closed	Lu: NA C	s: NA		VERT(CL):	1.097 N	N 434	180
BCDL:	10.00	Risk Category: II	Snow Duration	on: NA		HORZ(LL):	0.296 I	-	-
Des Ld:	40.00	EXP: C Kzt: NA				HORZ(TL):	0.602 I	-	-
NCBCLL	: 10.00	Mean Height: 22.18 ft TCDL: 4.2 psf	<b>Building Cod</b>	le:		Creep Facto	r: 2.0		
Soffit:	2.00	BCDL: 3.0 psf	FBC 8th Ed.	2023 F	Res.	Max TC CSI	0.89	6	
Load Du	ration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 20	14		Max BC CSI	: 0.84	1	
Spacing:	24.0 "	C&C Dist a: 4.00 ft ft	Rep Fac: Yes	s		Max Web C	SI: 0.66	5	
-		Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/	/10(0)					
		GCpi: 0.18	Plate Type(s	<b>)</b> :					
		Wind Duration: 1.60	WAVE, HS			VIEW Ver: 2	3.02.04.	0123.14	4

# Lumber

Top chord: 2x4 SP #2; T2,T5 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; B2,B3 2x6 SP #2; Webs: 2x4 SP #3;

### **Purlins**

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

Shim all supports to solid bearing.

▲ Maximum Reactions (lbs)									
		G	ravity		N	Non-Gravity			
0	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL		
0	Q 1	705	/-	/-	/956	/474	/188		
	1 1	704	/-	/-	/956	/474	/-		
Wind reactions based on MWFRS									
	Q E	Brg W	/id = 5.5	Min	Req = 1.	5 (Truss	s)		
	I E	3rg W	id = 5.5	Min	Req = 1.	5 (Truss	s)		
	Beari	ngs (	2 & Iare	a rigio	surface.	•	•		
	Memb	oers i	not liste	d have	forces les	s than 3	375#		
	Maxii	mum	Top CI	nord F	orces Per	Ply (lb	s)		
	Chord	ds T	ens.Cor	np.	Chords	Tens.	Ćomp.		
	B-C		2066 - 5	532	F-G	1847	- 4602		
	C-D		2170 - 5		G - H	2154			
	D-E		1870 - 4	614	H-I	2080	- 5592		
	E-F		1774 - 4	233	-				

Chords	Tens.Comp.	Chords	Tens. Comp.		
B - P	5098 - 1864	M - L	5213 - 1867		
P - O	5189 - 1900	L-K	5238 - 1891		
O - N	5219 - 1901	K-I	5155 - 1859		
N - M	4245 - 1491				

# Maximum Web Forces Per Ply (lbs)

vvebs	Tens.c	omp.	Webs	rens. (	Jonip.
D - N E - N		- 930 - 448	M - F M - G	1396 401	- 449 - 936



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SEQN: 783068 HIPS Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T10 FROM: CDM Reed & Susan Kellner Addtn Qty: 1 DrwNo: 263.24.1633.58487 Truss Label: A07 NW / DF 09/19/2024 6'4' 12'8" 21'0"1 33'8" 40' 6'4' 6'3"15 6'3"15 2'0"2 6'3"15 6'3"15 6'4" **≤6X8≤5X6** E F **3** X4 D T2 ≅3X4 \_\_ H ∮5X5 T5 3'10"11 B2 ВЗ ≡4X10(A1) \_\_\_O ≡8X8 ≥4X10(A1) ∭6X8 ≅7X10(SRS) ≅3X4 P ∥2X4 K ≋H0710 <del>-</del>⊕<sup>18'4"</sup> \_\_\_ 2.5 12 1'9" 5'10"8 6'3"15 6'5"8 6'5"8 6'3"15 5'10"8 4 | 1'6" 4 1'6" 6'4" 12'8" 19'1"8 20'10"8 27'4" 33'8" 39'6"8 5"8 5"8 5"8 40

Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity
TCDL: 10.00   Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.538 N 886 240	Loc R+ /R- /Rh /
BCLL: 0.00 Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 1.093 N 435 180	Q 1703 /- /- /s
BCDL: 10.00 Risk Category: II	Snow Duration: NA	HORZ(LL): 0.295 I	I 1704 /- /- /9
Des Ld: 40.00 EXP: C Kzt: NA		HORZ(TL): 0.600 I	Wind reactions based on MWF
NCBCLL: 10.00 Mean Height: 22.60 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	Q Brg Wid = 5.5 Min Req
Soffit: 2.00 BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.800	Brg Wid = 5.5 Min Req
Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.840	Bearings Q & I are a rigid surfa Members not listed have forces
Spacing: 24.0 " C&C Dist a: 4.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.991	Maximum Top Chord Forces
Loc. from endwall: not in 13.0	oft FT/RT:20(0)/10(0)		Chords Tens.Comp. Chor
GCpi: 0.18	Plate Type(s):		<u> </u>
Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04.0123.14	B-C 1902 - 5626 F-G C-D 1881 - 5440 G-H

	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
	Q	1703	/-	/-	/952	/472	/208
	1	1704	/-	/-	/952	/472	/-
	Win	d reac	tions bas	sed on	MWFRS		
	Q	Brg W	/id = 5.5	Min	Req = 1.5	(Truss	s)
	1	Brg W	/id = 5.5	Min	Req = 1.5	(Truss	s)
	Bea	rings (	⊋&lare	a rigid	surface.		
	Men	nbers	not listed	l have	forces less	than 3	375#
	Max	imum	Top Ch	ord Fo	orces Per	Ply (lb:	s)
	Cho	rds T	ens.Con	ıp.	Chords	Tens.	Comp.
_	B - 0	`	1902 - 56	326	F-G	1495	- 4246
	C - I		1881 - 54			1862	- 5432
	D - I	_	1495 - 42	-	H-I	1910	- 5688

Non-Gravity

Ē-F

### Lumber

Top chord: 2x4 SP #2; T2,T5 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; B2,B3 2x6 SP #2; Webs: 2x4 SP #3;

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

Shim all supports to solid bearing.

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

	. oo.o.	00.00	. oo. o op.		
B - P	5191 - 1709	M - L	5053	- 1573	
P - O	5269 - 1737	L-K	5321	- 1724	
O - N	5060 - 1610	K-I	5250	- 1699	
N - M	3875 - 1107				

# Maximum Web Forces Per Ply (lbs)

1435 - 3886

Webs	Tens.Comp.	Webs	Tens. Comp.
O - D	399 - 34	M - F	1357 - 440
D - N	492 - 1142	M - G	485 - 1123
E - N	1358 - 412	G-L	394 - 33



Florida Certificate of Product Approval #FL1999 09/19/2024

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

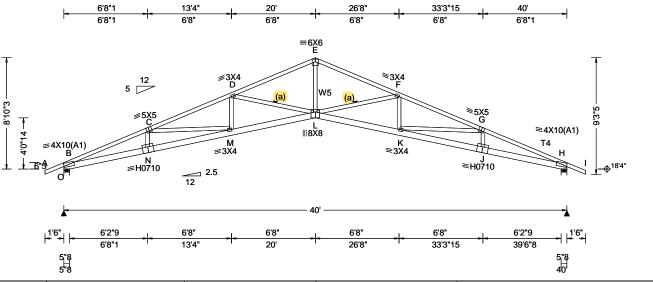
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SEQN: 783071 COMN Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 FROM: CDM Reed & Susan Kellner Addtn Qty: 2 DrwNo: 263.24.1634.01593 Truss Label: A08 NW / DF 09/19/2024



Loading Crite	eria (psf)	Wind Criteria	Snow Crit	teria (Pg	Pf in PSF)	Defl/CSI Cr	iteria			4
TCLL: 20.	00	Wind Std: ASCE 7-22	Pg: NA	Ct: NA	CAT: NA	PP Deflection	on in loc L	/defl	L/#	١.
TCDL: 10.		Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL):	0.517 L	921	240	Ļ
BCLL: 0.0	,,	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL):	1.051 L	453	180	l
BCDL: 10.	w	Risk Category: II	Snow Dura	ation: NA		HORZ(LL):	0.283 H	-	-	H
Des Ld: 40.	∩∩	EXP: C Kzt: NA				HORZ(TL):	0.575 H	-	-	٧
NCBCLL: 10.	00	Mean Height: 22.81 ft TCDL: 4.2 psf	Building C	ode:		Creep Facto	or: 2.0			9
Soffit: 2.0	00	BCDL: 3.0 psf	FBC 8th E	d. 2023 F	Res.	Max TC CS	l: 0.843			ŀ
Load Duration		MWFRS Parallel Dist: h/2 to h	TPI Std: 2	2014		Max BC CS	I: 0.500			E
Spacing: 24.0	. "	C&C Dist a: 4.00 ft ft	Rep Fac: \	Yes		Max Web C	SI: 0.610			N
		Loc. from endwall: not in 13.00 ft	FT/RT:20(	(0)/10(0)						2
		GCpi: 0.18	Plate Type	e(s):						1
		Wind Duration: 1.60	WAVE, HS	3		VIEW Ver: 2	23.02.04.0	123.14	1	E

▲ Maximum Reactions (lbs)						
	Gravity		. No	Non-Gravity		
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
O 170	4 /-	/-	/949	/471	/217	
H 170	4 /-	/-	/949	/471	/-	
Wind re	actions b	ased on	MWFRS			
O Brg	Wid = 5	.5 Min	Req = 1.5	5 (Truss	s)	
H Brg	Wid = 5	.5 Min	Req = 1.5	5 (Truss	s)	
Bearing	s O & H a	are a rigi	d surface.	•	•	
Member	s not list	ed have	forces les	s than 3	375#	
Maximu	m Top (	Chord Fo	rces Per	Ply (lb	s)	
Chords Tens.Comp. Chords Tens. Comp						
в-с	1828 -	5723	E-F	1342	- 4098	
C-D	1724 -	5338	F-G	1709	- 5343	
D-E	1324 -	4098	G-H	1806	- 5680	

### Lumber

Top chord: 2x4 SP M-31; T4 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W5 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on

### Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

Shim all supports to solid bearing.

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.	Chords	Tens. Comp.				
B - N	5285 - 1639	L-K	4962 - 1418				
N - M	5351 - 1661	K-J	5316 - 1620				
M - L	4958 - 1451	J - H	5244 - 1596				

### Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. M - D L-F 509 420 - 46 - 1174 F-K D-L 507 - 1170 423 - 47

E-L

2700 - 770

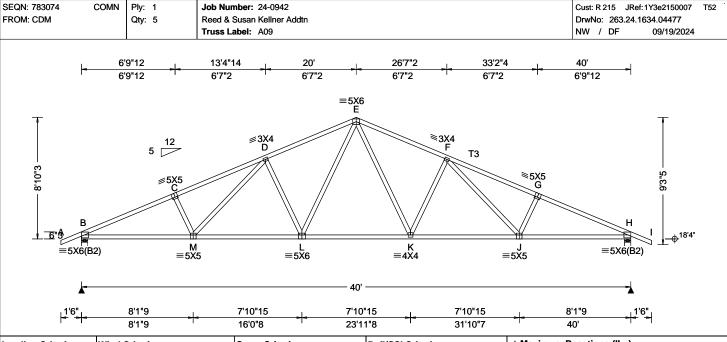


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-22		PP Deflection in loc L/defl L/#	١.
		Pf: NA Ce: NA	VERT(LL): 0.272 K 999 240	<u>L</u>
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.501 K 953 180	В
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.097 H	F
Doe   d⋅ /0 00	EXP: C Kzt: NA		HORZ(TL): 0.178 H	۷
NCBCLL: 10.00	Mean Height: 22.81 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	B
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.733	ŀ
l	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.586	B
l		Rep Fac: Yes	Max Web CSI: 0.502	I N
'	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		l"
		Plate Type(s):		] =
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	B
		L		٠.(

	▲ Maximum Reactions (lbs)						
		Gı	ravity		No	on-Grav	vity
Loc R+		R+	/ R-	/Rh	/ Rw	/ U	/ RL
	В 1	884	/-	/-	/949	/471	/217
	H 1	884	/-	/-	/949	/471	/-
	Wind	l reac	tions bas	sed on	<b>MWFRS</b>		
	В	Brg W	id = 5.5	Min	Req = 1.6	(Trus	s)
					Req = 1.6		
	Beari	ings E	3 & H are	a rigi	d surface.	`	,
		_		_	forces les	s than 3	375#
	Maxi	mum	Top Ch	ord Fo	orces Per	Ply (lb	s)
Chords Tens.Comp. Chords Tens. Comp.						Ćomp.	
	B-C	:	1110 - 37	72	E-F	987	- 2953
	C - D		1127 - 36	606	F-G	1127	- 3609
	D-F		987 - 20		G-H	1110	- 3774

### Lumber

Top chord: 2x4 SP M-31; T3 2x4 SP #2; Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3;

### Loading

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

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

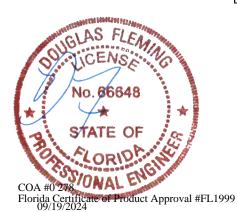
The overall height of this truss excluding overhang is

# Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.comp.		Cnoras	rens. Comp.		
B - M	3386	- 944	K-J	2916	- 733	
M - L	2916	- 751	J - H	3390	- 928	
I - K	2229	- 488				

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
M - D	522 - 176	E-K	1002	- 288	
D-L	336 - 632	K-F	335	- 631	
L-E	999 - 290	F-J	523	- 177	



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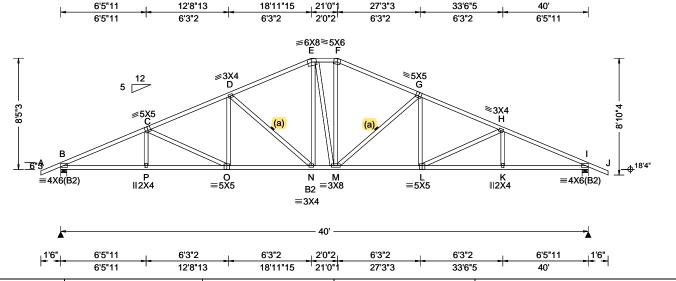
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SEQN: 783108 HIPS Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T55 FROM: CDM Qty: 1 Reed & Susan Kellner Addtn DrwNo: 263.24.1634.06547 Truss Label: A10 NW / DF 09/19/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	•
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.60 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.00 ft ft Loc. from endwall: not in 13.00 ft	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	PP Deflection in loc L/defl L/# VERT(LL): 0.242 N 999 240	B I B M M M S CI

Top chord: 2x4 SP #2;

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

Webs: 2x4 SP #3;

### **Bracing**

(a) Continuous lateral restraint equally spaced on

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

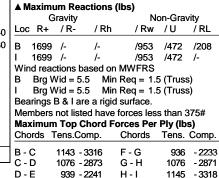
### Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is 8-5-3.



916 - 1997

E-F

Chords	Tens.Comp.		Chords	Tens. Comp.		
B - P	2973	- 986	M - L	2573	- 806	
P - O	2973	- 988	L-K	2975	- 973	
O - N	2576	- 826	K-I	2976	- 971	
N - M	1993	- 575				

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. C	Comp.
C-0	196 - 425	M - F	588	- 229
O - D	421 - 57	M - G	336	- 782
D - N	338 - 785	G-L	421	-57
E-N	589 - 197	L - H	199	- 431



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

SEQN: 783106 HIPS Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T31 FROM: CDM Reed & Susan Kellner Addtn Qty: 1 DrwNo: 263.24.1634.08550 Truss Label: A11 NW / DF 09/19/2024 5'9"11 11'4"13 16'11"15 23'0"1 28'7"3 34'2"5 40' 5'7"2 5'9"11 5'7"2 5'7"2 6'0"2 5'7"2 5'9"11 =6X6 E ≅5<u>¥</u>6 5 12 <sup>≷</sup>5X5 G **∌3X4** D ≅3X4 \_\_\_H ⊕<sup>18'4"</sup> B2 O вз М =5X5 =5X6 =4X6(B2) K ∥2X4  $\equiv 4X6(B2)$ ≡5X5 **≡3X4**  $\equiv$ 3X8 40' 1'6" 1'6" 5'9"11 5'7"2 5'7"2 6'0"2 5'7"2 5'7"2 5'9"11 5'9"11 11'4"13 16'11"15 23'0"1 28'7"3 34'2"5 40' ons (lbs) Non-Gravity Rh /Rw /U /RL

TCLL: 20.00

# Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Bot shord: 2x4 SP M-31; B2,B3 2x4 SP #2; Webs: 2x4 SP #3;

### **Purlins**

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is

ia (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactio
t: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity
Ce: NA	VERT(LL): 0.246 N 999 240	Loc R+ /R- /F
s: NA	VERT(CL): 0.498 N 959 180	B 1699 /- /-
on: NA	HORZ(LL): 0.093 I	I 1699 /- /-
	HORZ(TL): 0.187 I	Wind reactions based
le:	Creep Factor: 2.0	B Brg Wid = 5.5
2023 Res.	Max TC CSI: 0.872	I Brg Wid = 5.5
14	Max BC CSI: 0.876	Bearings B & I are a r
s.	Max Web CSI: 0.728	Members not listed ha
-	Wax VVCD CCI. C.720	Maximum Top Chore
/10(0)		Chords Tens.Comp.
):	VIEW Ver: 23.02.04.0123.14	B - C 1261 - 3320

סו סו	ອອ	/-	,	-	/93	၁ဝ	1413	/100	
I 16	99	/-	/	-	/9	58	/473	/-	
Wind r	eac	tions	base	d on	MWFF	เร			
B Br	g۷	الا	5.5	Min	Req =	1.5	(Truss	s)	
I Br	g۷	الا	5.5	Min	Req =	1.5	(Truss	s)	
Bearing	gs I	B & I	are a	rigid	surfac	e.			
Membe	ers	not li	sted h	nave	forces	less	than 3	375#	
Maxim	um	Top	Cho	rd Fo	orces F	er l	Ply (lb:	s)	
Chords	; T	ens.	Comp	١.	Chord	s	Tens.	Comp.	
B-C		1261	- 332	n	F-G		1105	- 2424	
C-D				-			1226	- 2971	
D-E		1109	- 243	3	H-I		1259	- 3314	
E-F		1078	- 218	6					
	Wind room B Br I Braning Member Maxim Chords B - C C - D D - E	Wind read B Brg W I Brg W Bearings I Members Maximum Chords T B - C C - D D - E	I 1699 /- Wind reactions B Brg Wid = I Brg Wid = Bearings B & I Members not li Maximum Top Chords Tens. B - C 1261 C - D 1226 D - E 1109	I 1699 /- // Wind reactions base B Brg Wid = 5.5 I Brg Wid = 5.5 Bearings B & I are a Members not listed h Maximum Top Cho Chords Tens.Comp B - C 1261 - 332 C - D 1226 - 297 D - E 1109 - 243	I 1699 /- /- Wind reactions based on B Brg Wid = 5.5 Min I Brg Wid = 5.5 Min Bearings B & I are a rigin Members not listed have Maximum Top Chord For Chords Tens.Comp.  B - C 1261 - 3320 C - D 1226 - 2973 D - E 1109 - 2433	1699	1699	1699	1699

/058

//73 /122

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	2980 - 1099	M - L	2674 - 964
P - O	2980 - 1102	L-K	2976 - 1083
O - N	2677 - 983	K-I	2975 - 1080
N - M	2183 - 772		

# Maximum Web Forces Per Ply (lbs)

vveus	rens.comp.	webs	rens. (	Jonnp.
D - N E - N	285 - 667 563 - 155	M - F M - G		- 166 - 667



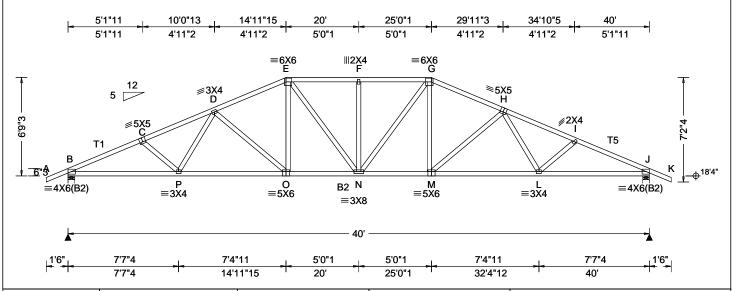
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SEQN: 783104 HIPS Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T18 FROM: CDM Reed & Susan Kellner Addtn Qty: 1 DrwNo: 263.24.1634.10630 Truss Label: A12 NW / DF 09/19/2024



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): 0.230 F 999 240
BCLL: 0.00 Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.465 F 999 180
BCDL: 10.00 Risk Category: II	Snow Duration: NA	HORZ(LL): 0.084 J
Des Ld: 40.00 EXP: C Kzt: NA Mean Height: 21.77 ft		HORZ(TL): 0.170 J
NCBCLL: 10.00 TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00 BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.512
Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.660
Spacing: 24.0 " C&C Dist a: 4.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.459
Loc. from endwall: not in 13.00		
GCpi: 0.18	Plate Type(s):	
Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

# Lumber

Top chord: 2x4 SP #2; T1,T5 2x4 SP M-31; Bot chord: 2x4 SP M-31; B2 2x4 SP #2; Webs: 2x4 SP #3;

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

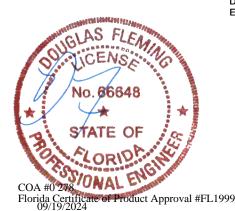
The overall height of this truss excluding overhang is 6-9-3.

	▲ Maximum Reactions (lbs)					
		Gravity		No	on-Grav	/ity
)	Loc R-	+ /R-	/ Rh	/ Rw	/ U	/ RL
)	B 169	9 /-	/-	/960	/475	/169
	J 169	9 /-	/-	/960	/475	/-
	Wind re	actions b	pased on	MWFRS		
	B Bro	Wid = 5	.5 Min	Req = 1.5	(Truss	s)
	J Bro	Wid = 5	.5 Min	Req = 1.5	(Truss	s)
	Bearing	sB&Ja	are a rigid	surface.	•	-
	Membe	rs not list	ted have t	orces less	s than 3	375#
	Maximu	um Top (	Chord Fo	rces Per	Ply (lb:	s)
	Chords	Tens.C	omp.	Chords	Tens.	Ćomp.
	B-C	1406 -	3348	F-G	1305	- 2512
	C-D	1371 -	3157	G - H	1277	- 2623
	D-E	1277 -	2624	H - I	1371	- 3153
	E-F	1305 -	2512	I - J	1405	- 3342

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	3003 - 1234	N - M	2363 - 936
P - O	2757 - 1140	M - L	2756 - 1122
O - N	2363 - 954	L-J	2996 - 1215

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (	Comp.
D-0	248 - 525	G - M	508	- 139
E - O	509 - 140	M - H	247	- 524



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

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

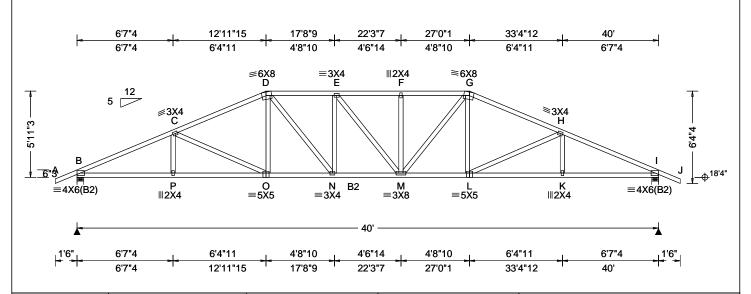
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 783102 HIPS Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T29 FROM: CDM Reed & Susan Kellner Addtn Qty: 1 DrwNo: 263.24.1634.12663 Truss Label: A13 NW / DF 09/19/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ī
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	ı
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.266 F 999 240	ı
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.538 F 887 180	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.091 I	ı
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 21.35 ft		HORZ(TL): 0.183 I	
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.892	ı
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.675	ı
Spacing: 24.0 "	C&C Dist a: 4.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.469	ı
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		ı
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	
Lumber	<u> </u>	<u> </u>	<u> </u>	_

### Lumber

Top chord: 2x4 SP #2;

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

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 5-11-3.

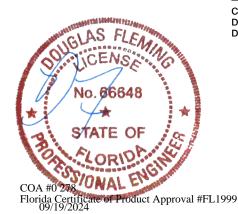
	▲ Maximum Reactions (lbs)						
		Gravity			Non-Gravity		
)	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
)	B 1	1699	/-	/-	/958	/476	/149
	1 1	1699	/-	/-	/958	/476	/-
	Wind	d read	tions ba	sed on	MWFRS		
	В	Brg W	/id = 5.5	Min	Req = 1.5	(Truss	s)
	1 1	Brg V	/id = 5.5	Min	Req = 1.5	(Truss	s)
	Bear	ings I	3 & I are	a rigio	I surface.	-	
	Mem	bers	not listed	d have	forces less	s than 3	375#
	Maxi	imum	Top Ch	ord F	orces Per	Ply (lb	s)
	Chor	ds T	ens.Cor	np.	Chords	Tens.	Ćomp.
	B - C	;	1504 - 3	323	F-G	1542	- 2838
	C - E	)	1431 - 2	833	G-H	1432	- 2833
	D-E	•	1535 - 2	828	H-I	1505	- 3323
	E-F		1542 - 2	838			

Maximu	m Bot	Chord	Forces Per	' Ply (lbs	;)
01	T (	<b>`</b>	011-	<b>T</b>	'n

Chords	Tens.Comp.	Chords	Tens. Comp.	
B - P	2980 - 1318	M - L	2547 - 1126	
P - O	2979 - 1321	L-K	2979 - 1304	
O - N	2547 - 1144	K-I	2980 - 1302	
N - M	2842 - 1308			

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
C-0	200 - 479	M - G	453 - 314	
D - O	398 - 70	G-L	401 - 70	
D - N	446 - 307	L-H	200 - 479	



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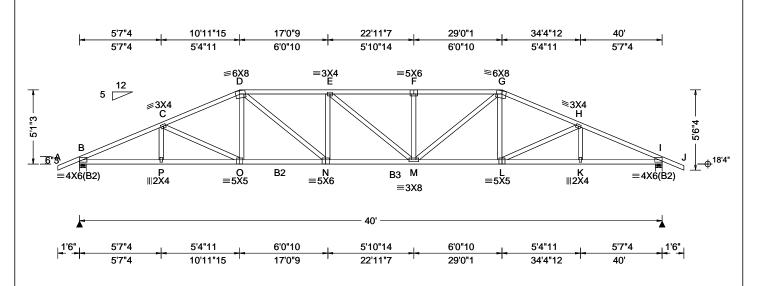
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 783100 HIPS Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T28 FROM: CDM Reed & Susan Kellner Addtn Qty: 1 DrwNo: 263.24.1634.14987 Truss Label: A14 NW / DF 09/19/2024



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): 0.304 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.615 F 776 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.094 I
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.190 I
NCBCLL: 10.00	Mean Height: 20.93 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.858
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.808
Spacing: 24.0 "	C&C Dist a: 4.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.538
	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

L	.um	ber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP M-31; B2,B3 2x4 SP #2;

Webs: 2x4 SP #3;

### **Purlins**

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

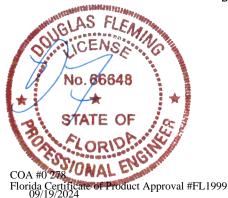
The overall height of this truss excluding overhang is

▲ Maximum Reactions (lbs)							
	Gravity			Non-Gravity			
)	Loc F	₹+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	B 16	99	/-	/-	/954	/477	/130
	I 16	99	/-	/-	/954	/477	/-
	Wind I	reac	tions b	ased or	n MWFRS		
	B B	rg V	/id = 5	.5 Mir	n Req = 1.	5 (Truss	s)
	I B	rg V	/id = 5	.5 Mir	n Req = 1.	5 (Truss	s)
	Bearin	igs I	3 & I a	re a rigio	d surface.	•	•
	Memb	ers	not list	ed have	forces les	s than 3	375#
	Maxin	num	Top (	Chord F	orces Per	Ply (lb	s)
	Chord	s T	ens.C	omp.	Chords	Tens.	Ćomp.
_	B - C		1601 -	3308	F-G	1866	- 3321
	C-D		1589 -		G-H	1589	- 2999
	D-E		1856 -	3306	H-I	1602	- 3308
	E-F		1865 -				

Chords	Tens.Comp.	Chords	Tens. Comp.	
B - P	2970 - 1413	M - L	2717 - 1301	
P - O	2970 - 1417	L-K	2970 - 1400	
O - N	2718 - 1319	K-I	2970 - 1397	
N - M	3328 - 1669			

### Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	webs	rens. Comp.	
D - N	758 - 489	M - G	770 - 498	3



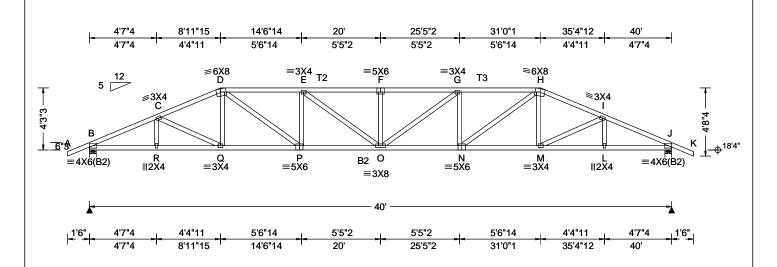
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SEQN: 783098 HIPS Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T48 FROM: CDM Qty: 1 Reed & Susan Kellner Addtn DrwNo: 263.24.1634.17483 Truss Label: A15 NW / DF 09/19/2024



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): 0.357 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.722 F 661 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.091 J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.183 J
NCBCLL: 10.00	Mean Height: 20.52 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.654
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.900
Spacing: 24.0 "	C&C Dist a: 4.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.580
-	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14
· .	•		

L	u	m	ıb	е	r

Top chord: 2x4 SP M-31; T2,T3 2x4 SP #2; Bot chord: 2x4 SP M-31; B2 2x4 SP #2; Webs: 2x4 SP #3;

### **Purlins**

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

# **Additional Notes**

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

	▲ Maximum Reactions (lbs)								
		Gravity		N	on-Grav	/ity			
)	Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL			
)	B 169	99 /-	/-	/947	/489	/110			
	J 169	99 /-	/-	/947	/489	/-			
	Wind re	actions I	pased on	<b>MWFRS</b>					
	B Bro	Wid = 5	.5 Min	Req = 1.5	5 (Truss	s)			
	J Br	Wid = 5	.5 Min	Req = 1.5	5 (Truss	s)			
	Bearing	sB&Ja	are a rigio	surface.	•	•			
	Membe	rs not lis	ted have	forces les	s than 3	375#			
	Maxim	um Top	Chord Fo	orces Per	Ply (lb:	s)			
	Chords	Tens.C	omp.	Chords	Tens.	Ćomp.			
	B-C	1679	- 3268	F-G	2344	- 4093			
	C-D	1731 -	3144	G-H	2169	- 3767			
	D-E	2168 -	3767	H - I	1732	- 3144			
	E-F	2344	4093	I - J	1680	- 3268			

Maximum	Bot	Chord	<b>Forces</b>	Per	Ply (lbs)	
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Chords	Tens.Comp.	Chords	Tens. Comp.	
B-R	2930 - 1487	O - N	3808 - 2011	
R - Q	2933 - 1492	N - M	2869 - 1462	
Q-P	2869 - 1479	M - L	2933 - 1475	
P - O	3808 - 2028	L - J	2930 - 1471	

### Maximum Web Forces Per Ply (lbs)

AA GD2	16115.0	onip.	AA CD2	i elis. v	Jonep.
D - P	1111	- 691	G - N	449	- 559
P - E	449	- 559	N - H	1111	- 691



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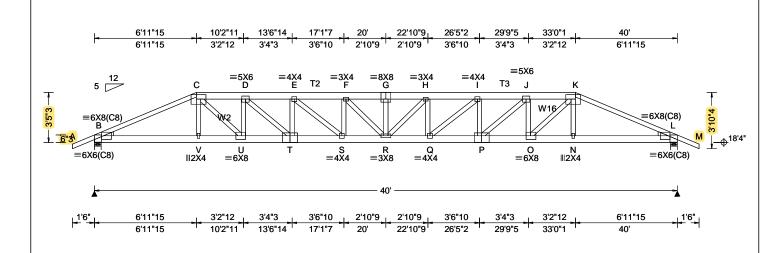
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SEQN: 783096 HIPS Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T19 Ply: 1 FROM: CDM DrwNo: 263.24.1634.37990 Qty: 1 Reed & Susan Kellner Addtn Truss Label: A16 NW / DF 09/19/2024



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): 0.766 G 622 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 1.532 G 310 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.148 L
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.296 L
NCBCLL: 10.00	Mean Height: 20.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.947
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.922
Spacing: 24.0 "	C&C Dist a: 4.00 ft ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.889
	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, 18SS	VIEW Ver: 23.02.04.0123.14

### Lumber

Top chord: 2x4 SP M-31; T2,T3 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W2,W16 2x4 SP #2; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

### **Special Loads**

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 62 plf at 31 plf at 62 plf at 31 plf at TC: From 7.00 to 33.00 33.00 to TC: From 62 plf at 62 plf at 41.50 BC: From 4 plf at -1.50 to 4 plf at BC: From BC: From 20 plf at 0.00 to 7.03 to 20 plf at 7.03 10 plf at 20 plf at 10 plf at 20 plf at 32.97 32.97 to BC: From 40.00 BC: From 4 plf at 40.00 to 4 plf at TC: 451 lb Conc. Load at 7.03,32.97 TC: 195 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,20.94,22.94,24.94,26.94,28.94,30.94 BC: 508 lb Conc. Load at 7.03 132 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,20.94,22.94,24.94,26.94,28.94,30.94 BC: 506 lb Conc. Load at 32.97

### **Plating Notes**

All plates are SS0712 except as noted.

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

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

# **Additional Notes**

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



### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R /Rh /Rw /<mark>U</mark> /RL В 4120 /-/1397 /-/-/-/1395 /-4119 Wind reactions based on MWFRS Brg Wid = 5.5Min Reg = 3.4 (Truss) Brg Wid = 5.5 Min Req = 3.4 (Truss) Bearings B & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 3089 - 9054 4906 - 14296 C-D 3738-10936 H - I 4796 - 13984 D-E 4390-12816 I-J 4389 - 12814 E-F 4797-13985 J-K 3736 - 10934 4906-14296 F-G K-L 3086 - 9052

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

Chords	Tens.Comp.	Chords	Tens. Comp.	
B - V	8278 - 2814	R - Q	14051 - 4829	)
V - U	8289 - 2809	Q-P	12951 - 4447	,
U - T	11144 - 3820	P - O	11142 - 3818	}
T-S	12953 - 4448	O - N	8287 - 2806	;
S - R	14052 - 4830	N - L	8276 - 2812	2

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C-U	3695 - 1297	H-Q	339 - 684
U - D	846 - 2155	Q - I	1398 - 473
D - T	2334 - 796	I-P	594 - 1403
T-E	594 - 1403	P-J	2335 - 797
E-S	1397 - 472	J - O	847 - 2155
S - F	338 - 684	O - K	3696 - 1298

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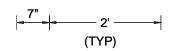
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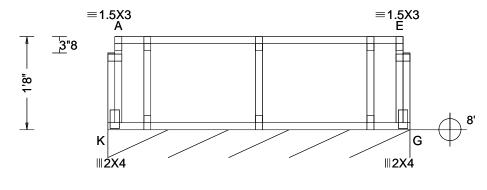


Ply: 1 Qty: 1 Job Number: 24-0942 Reed & Susan Kellner Addtn Truss Label: F01

Cust: R 215 JRef: 1Y3e2150007 DrwNo: 263.24.1233.08344 GA / DF 09/19/2024

T13 /





5'5"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.000 C 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.001 C 999 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.000 E
Des Ld: 55.00	EXP: NA Kzt: NA Mean Height: NA ft		HORZ(TL): 0.000 E
NCBCLL: 10.00	TCDL: NA psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: NA psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.192
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.046
Spacing: 24.0 "	C&C Dist a: NA	Rep Fac: Yes	Max Web CSI: 0.050
. •	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04.0123.14
Lumber			

▲ Maximum Reactions (lbs), or \*=PLF Gravity Non-Gravity Loc R+ /R-/Rw /U /RL G\* 105 /-Brg Wid = 65.0 Min Req = Bearing K is a rigid surface. Members not listed have forces less than 375#

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

### **Bracing**

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

### **Plating Notes**

All plates are 1.5X3 except as noted.

### Additional Notes

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



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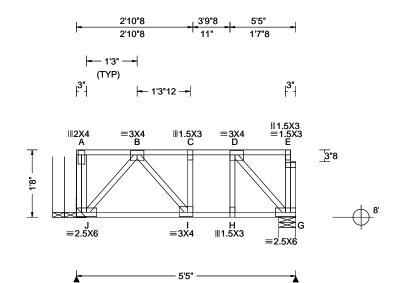


SEQN: 773342 / FROM: CDM

SY42

Ply: 1 Qty: 9 Job Number: 24-0942 Reed & Susan Kellner Addtn Truss Label: F02

Cust: R 215 JRef: 1Y3e2150007 T15 / DrwNo: 263.24.1233.07984 GA / DF 09/19/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.014 C 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.021 C 999 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.006 B
Des Ld: 55.00	EXP: NA Kzt: NA Mean Height: NA ft		HORZ(TL): 0.010 B
NCBCLL: 10.00	TCDL: NA psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: NA psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.227
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.169
Spacing: 24.0 "	C&C Dist a: NA	Rep Fac: Yes	Max Web CSI: 0.076
	Loc. from endwall: NA	FT/RT:12(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04.0123.14
Lumbor			

### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 302 /-281 /-/-/-/-G Brg Wid = -Min Req = G Brg Wid = 5.0 Min Req = 1.5 (Truss) Bearing G is a rigid surface. Members not listed have forces less than 375#

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

### Hangers / Ties

(J) Hanger Support Required, by others

### **Additional Notes**

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is 1-8-0.



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SEQN: 773348 / SY42 Ply: 2 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T8 / FROM: CDM Qty: 1 Reed & Susan Kellner Addtn DrwNo: 263.24.1233.08282 Truss Label: F03 GA / DF 09/19/2024 2 Complete Trusses Required 13'1"8 14'4" 27'5"8 13'1"8 1'2"8 13'1"8 <del>| 1'3</del>" 1'3"12 1'3" (TYP) - 2'6" 2'6" ---- 2'6" - 2'6" -8'1"8 12' ≡W=3X4 |||4X5 ||Q |||4X5 ≡W=3X4 ||E F G ≡W=3X4 ⊪3X5 L M ≡1.5X3 ≡6X8 =6X6 C **∥3**X4 ≡5X5 S =6<u>X</u>6 =1.5X3 Ш3Х6 н R <u>~</u> \_ **=**#"8 W ≡5X6 AC ⊪3X5 AH ≡6X8 AG ∥4X5 AI ≡6X8 =6X6 ∥4X5 =5X6 ₩=H0308 ≡W=H0308 - 27'5"8 ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL AJ 2893 /-/-W 2820 /-/-/-/-AJ Brg Wid = 5.0 Min Req = 1.5 (Truss)

Loading (	Criteria (psf)	Wind Criteria	Snow Cri	<b>teria</b> (Pg	Pf in PSF)	Defl/CSI Cr	iteria			
TCLL:	40.00	Wind Std: NA	Pg: NA	Ct: NA	CAT: NA	PP Deflection	on in lo	c L/de	efl L	/#
TCDL:	10.00	Speed: NA mph	Pf: NA		Ce: NA	VERT(LL):	0.498	AD 6	552	480
BCLL:	0.00	Enclosure: NA	Lu: NA	Cs: NA		VERT(CL):	0.685	AD 4	174	360
BCDL:	5.00	Category: NA	Snow Dur	ration: NA		HORZ(LL):	0.065 I	в -	-	-
Des Ld:	55.00	EXP: NA Kzt: NA Mean Height: NA ft				HORZ(TL):	0.089 I	в -	-	-
NCBCLL:	40.00	TCDL: NA psf	Building C	Code:		Creep Facto	or: 2.0			
Soffit:	0.00	BCDL: NA psf	FBC 8th E	Ed. 2023 F	Res.	Max TC CS		28		
Load Dura	ation: 1.00	MWFRS Parallel Dist: NA	TPI Std:	2014		Max BC CS	l: 0.85	51		
Spacing: 2	24.0 "	C&C Dist a: NA	Rep Fac:	Varies by	Ld Case	Max Web C	SI: 0.76	52		
		Loc. from endwall: NA	FT/RT:12	., .,						
		I: NA GCpi: NA	Plate Type	e(s):						
		Wind Duration: NA	WAVE, H	S		VIEW Ver: 2	23.02.04	.0123	3.14	
Lumber	-	•				-				

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; B2,B3 4x2 SP M-31; Webs: 4x2 SP #3;

### **Special Loads**

---(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00) TC: From 100 plf at 0.12 to 100 plf at 2 BC: From 10 plf at 0.00 to 10 plf at 2 TC: 302 lb Conc. Load at 2.27, 4.27, 6.27, 8.27 27.33 27.46 10.27,12.27,23.98,25.65,27.06

### **Plating Notes**

All plates are 2.5X6 except as noted.

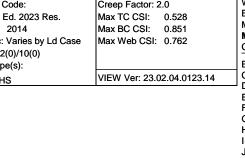
### **Additional Notes**

See DWG CNSY42PL0118 for connection details of 2 ply trusses.

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-8-0.



AMEN TORREST SELLMAN

### W Brg Wid = 3.0 Min Reg = 1.5 (Truss) Bearings AJ & W are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords B - C 0 - 2390 K-L 0 - 6066 0 - 4263 C - D 0 - 5381 D-E 0 - 4263 M - N 0 - 5381 E-F 0 - 5475 N - O 0 - 5381 F-G 0 - 5475 0 - P 0 - 4549 G-H 0 - 6161 P - Q 0 -4549 H - I 0 - 6161 Q-R O - 3470 1 - .1 0 - 6079 R-S O - 3470 J - K 0 - 6077 S-T O - 2026

	Tens.Co		Chords	Tens. C	omp.
AJ-AI	1331	0	AC-AB	5730	0
Al-AH	3437	0	AB-AA	5730	0
AH-AG	5015	0	AA-Z	5004	0
AG-AF	5932	0	Z - Y	4075	0
AF-AE	6243	0	Y - X	2857	0
AE-AD	6243	0	X - W	1186	0
AD-AC	6077	Λ			

AF-AE	6243	U	Y - X	2857	U
AE-AD	6243	0	X - W	1186	0
AD-AC	6077	0			
Maxim	um Web F	orces	Per Ply (I	bs)	
Webs	Tens.Co	mp.	Webs	Tens. Co	omp.
		1050	^^ ^		

0 B-AI 1599 0 - Z 0 - 687 AI- C 0 - 1583 Z - Q 717 0 C-AH 1215 Q - Y 0 891 901 AH- E 0 - 1106 Y - S 0 E-AG 696 S - X 0 - 1256 0 AG- G 0 -690 X - T 1270 0 AC-I 508 - 148 T - W - 1745 O L-AA 0 - 514

COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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SEQN: 773368 / SY42 Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T2 / FROM: CDM Reed & Susan Kellner Addtn DrwNo: 263.24.1233.07968 Qty: 11 Truss Label: F04 GA / DF 09/19/2024 27'5"8 4'1"8 11'10"8 1'3" 1'3"12 - 2'6" (TYP) 1'4"8 - 2'6" -≡W=3X4 |||4X6 |||5X6 C D F ||4X5 ≡W=3X4 ⊪4X5 ≡W=3X4 ≡5X5 =1.5X3 =6X8 **∥4X5** Ŧ 3"8 <u>~</u> + =AI AF =5X6 ام الم 1826 = 182 182 = 182 =6X8 kk = .... ≡W=H0308 ≡W=H0308 - 7'5"8 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Non-Gravity Wind Std: NA Ct: NA CAT: NA Gravity TCLL: 40.00 Pg: NA PP Deflection in loc L/defl L/# Loc R+ /Rh /Rw /U /RL Speed: NA mph TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.623 L 521 480 Enclosure: NA VERT(CL): 0.857 L BCII: 0.00 Lu: NA Cs: NA 379 360 AO 1498 /-Category: NA BCDL: 5.00 Snow Duration: NA HORZ(LL): 0.064 B W 1498 /-/-/-/-EXP: NA Kzt: NA AO Brg Wid = 5.0 Min Req = 1.5 (Truss) HORZ(TL): 0.088 B Des Ld: 55.00 Mean Height: NA ft W Brg Wid = 3.0 Min Reg = 1.5 (Truss) **Building Code:** Creep Factor: 2.0 NCBCLL: 10.00 TCDL: NA psf Bearings AO & W are a rigid surface. FBC 8th Ed. 2023 Res. Max TC CSI: 0.845 Soffit: 0.00 BCDL: NA psf Members not listed have forces less than 375# TPI Std: 2014 Max BC CSI: 0.776 Load Duration: 1.00 MWFRS Parallel Dist: NA Maximum Top Chord Forces Per Ply (lbs) Rep Fac: Yes Max Web CSI: 0.821 Spacing: 24.0 " C&C Dist a: NA Chords Tens.Comp. Chords FT/RT:12(0)/10(0) Loc. from endwall: NA Plate Type(s): B - C 0 - 2431 K-L 0 - 7037 I: NA GCpi: NA 0 - 3826 VIEW Ver: 23.02.04.0123.14 - 7042 Wind Duration: NA WAVE, HS D-E M - N 0 - 7032 0 - 4910 Lumber E-F 0 - 4910 N - O - 7032 0 Top chord: 4x2 SP #2; Bot chord: 4x2 SP M-31; B5,B6 4x2 SP #2; Webs: 4x2 SP #3; F-G 0 - 6164 0 - P 0 - 6291 P-Q G-H 0 - 6164 0 - 5179 H - I 0 - 6948Q-R - 5179 O 1 - .1 0 - 6957R-S O - 4319 **Plating Notes** J - K 0 - 7037 S-T O - 2408 All plates are 2.5X6 except as noted. Maximum Bot Chord Forces Per Ply (lbs) **Additional Notes** Chords Tens.Comp. Chords + 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging AO-AN 1289 AF-AE recommendations AN-AM 3785 AE-AD 7042 0 Truss must be installed as shown with top chord up. AD-AC 0 AM-AL 3826 0 6730 AL-AK 3867 AC-AB 6730 0 The overall height of this truss excluding overhang is AK-AJ AB-AA 5849 0 5683 0 THE PROPERTY OF THE PARTY WAY A.J-AI 5683 0 AA- 7 4401 0 AI-AH 4401 6622 0 7 - Y 0 AH-AG 6622 0 Y - X 3466 0 AG-AF 6957 X-W 1331 0



### Maximum Web Forces Per Ply (lbs) Ťens. Comp. Tens.Comp. Webs AO-B 0 - 1898 M -AD 0 - 401 B-AN AD- O 867 AN-C 0 - 2047 O-AB 0

- 143 - 711 C-AM 990 AB- P 667 0 AL- D 0 - 983 P-AA 0 - 987 D-AK 1627 AA-R 0 1143 0 - 938 AK- F 0 - 1201 R - Y O F-AI 736 0 Y - S 1289 0 Al- H 0 - 707 S - X 0 - 1598 H-AG 724 X - T 1629 0 - 1958

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SY42

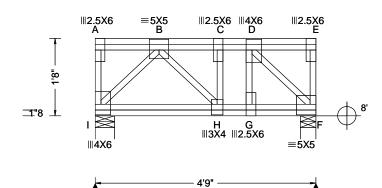
Ply: 1 Qty: 1

Job Number: 24-0942 Reed & Susan Kellner Addtn

Truss Label: F05

Cust: R 215 JRef: 1Y3e2150007 T7 / DrwNo: 263.24.1233.08094 GA / DF 09/19/2024





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria			
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA KZt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA Loc. from endwall: NA I: NA GCpi: NA	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:12(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.037 C 999 480 VERT(CL): 0.050 C 999 360 HORZ(LL): 0.005 B HORZ(TL): 0.007 B Creep Factor: 2.0 Max TC CSI: 0.407 Max BC CSI: 0.306 Max Web CSI: 0.461			
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04.0123.14			

▲ Maximum Reactions (lbs)								
	G	ravity			Non-Gr	avity		
Loc F	۲+	/ R-	/ Rh	/ R	w /U	/ RL		
I 12	22	/-	/-	/-	/-	/-		
F 17	14	/-	/-	/-	/-	/-		
I B	g۷	Vid = 5	5.0 Mi	n Req =	1.5 (Tru	ss)		
F B	ġΝ	Vid = 4	1.0 Mi	n Req =	1.5 (Tru	ss)		
Bearin	gs I	&Fa	re a rigi	d surface	). `	•		
Memb	ers	not lis	ted have	forces l	ess thar	375#		
Maxin	num	Тор	Chord F	orces P	er Ply (	lbs)		
Chord	s T	ens.C	omp.	Chords	. Tens	s. Ćom	p.	
B - C		0	- 1337	C - D		0 -13	46	

### Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1204 G-F 1344 H - G 1346 0

Maximum Web Forces Per Ply (lbs)						
Webs	Tens.Comp.	Webs	Tens. Comp.			
I-B	0 - 1728	D-F	0 -1930			

Top chord: 4x2 SP M-31; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

### **Special Loads**

---(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00) 50 plf at 5 plf at 50 plf at 5 plf at TC: From BC: From 0.00 to 0.00 to 4 75 TC: 1337 lb Conc. Load at 1.81, 3.81

### **Additional Notes**

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is 1-8-0.



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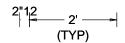
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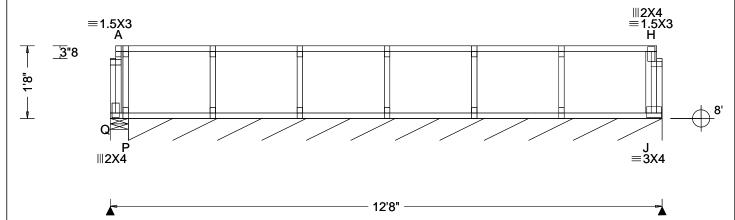
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SEQN: 773370 / SY42 Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T11 / FROM: CDM Reed & Susan Kellner Addtn DrwNo: 263.24.1233.08312 Qty: 1 Truss Label: F06 GA / DF 09/19/2024





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.002 B 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.003 B 999 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.009 B
Des Ld: 55.00	EXP: NA Kzt: NA Mean Height: NA ft		HORZ(TL): 0.012 B
NCBCLL: 10.00	TCDL: NA psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: NA psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.248
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.076
Spacing: 24.0 "	C&C Dist a: NA	Rep Fac: Yes	Max Web CSI: 0.061
	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04.0123.14

### ▲ Maximum Reactions (lbs), or \*=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Q 106 P\* 103 /-/-/-/-Brg Wid = 5.0 Min Req = 1.5 (Truss) Brg Wid = 147 Min Req = -Bearings Q & P are a rigid surface. Members not listed have forces less than 375#

### Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

### **Bracing**

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

### **Plating Notes**

All plates are 1.5X3 except as noted.

### **Additional Notes**

See detail STRBRIBR1014 for bracing and bridging recommendations.

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



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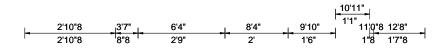
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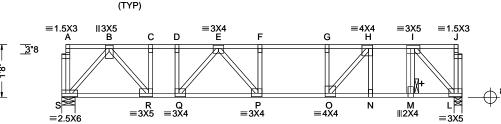
Ply: 1 Qty: 14 Job Number: 24-0942 Reed & Susan Kellner Addtn Truss Label: F07

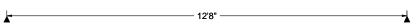
Cust: R 215 JRef: 1Y3e2150007 T1 / DrwNo: 263.24.1233.08000 GA / DF 09/19/2024











Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	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:12(0)/10(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.183 F 804 480 VERT(CL): 0.247 F 596 360 HORZ(LL): 0.030 B HORZ(TL): 0.044 B Creep Factor: 2.0 Max TC CSI: 0.894 Max BC CSI: 0.455 Max Web CSI: 0.415  VIEW Ver: 23.02.04.0123.14
	Willia Dalation. NA	WAVE	VIEVV Vel. 23.02.04.0123.14

### Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP M-31; Webs: 4x2 SP #3;

### **Plating Notes**

All plates are 1.5X3 except as noted.

### **Additional Notes**

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-8-0.

### ▲ Maximum Reactions (lbs) Gravity Loc R+ /Rh

3"

/Rw /U s 689 684 /-/-/-Brg Wid = 5.0 Min Req = 1.5 (Truss) Brg Wid = 3.0 Min Reg = 1.5 (Truss) Bearings S & L are a rigid surface.

Non-Gravity

/RL

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

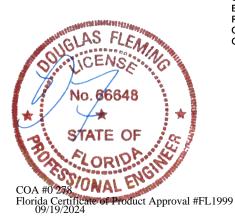
Cilolus	rens.comp.	Chorus	rens. Comp.
B-C	0 - 987	F-G	0 - 1303
C - D	0 - 1003	G-H	0 - 1287
D-E	0 - 1011	H - I	0 - 737
F-F	0 - 1301		

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

Chords	Tens.Comp.		Chords	Tens. Comp.		
S-R	531	0	O - N	755	0	
R-Q	1003	0	N - M	737	0	
Q-P	1269	0	M - L	721	0	
P - O	1303	0				

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens.	Comp.
S-B	0	- 820	O-H	872	0
B - R	724	0	H - N	0	- 470
R-C	0	- 390	M - I	409	0
Q-E	0	- 454	I-L	0	- 1083
G-O	0	- 402			



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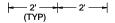
155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

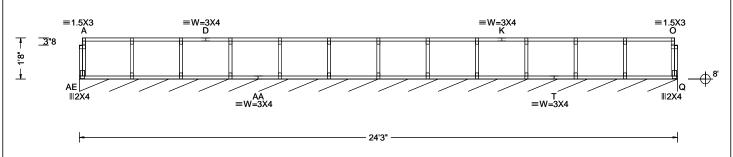
Ply: 1 Qty: 2 Job Number: 24-0942

Reed & Susan Kellner Addtn Truss Label: F08

Cust: R 215 JRef: 1Y3e2150007 DrwNo: 263.24.1233.08266

GA / DF 09/19/2024 T5 /





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria			
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#			
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.001 O 999 480			
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.001 O 999 360			
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.000 B			
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.000 B			
NCBCLL: 10.00	Mean Height: NA ft TCDL: NA psf	Building Code:	Creep Factor: 2.0			
Soffit: 0.00	BCDL: NA psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.249			
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.048			
Spacing: 24.0 "	C&C Dist a: NA	Rep Fac: Yes	Max Web CSI: 0.052			
'	Loc. from endwall: NA	FT/RT:20(0)/10(0)				
	I: NA GCpi: NA	Plate Type(s):				
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04.0123.14			
Lumber						

### ▲ Maximum Reactions (lbs), or \*=PLF Gravity Non-Gravity Loc R+ /Rw /U /RL Q\* 109 /-Q Brg Wid = 291 Min Req = Bearing AE is a rigid surface. Members not listed have forces less than 375#

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

### **Bracing**

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

### **Plating Notes**

All plates are 1.5X3 except as noted.

### **Additional Notes**

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is 1-8-0.



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SEQN: 773360 / SY42 Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T6 / FROM: CDM Reed & Susan Kellner Addtn Qty: 2 DrwNo: 263.24.1233.08125 Truss Label: F09 GA / DF 09/19/2024 6'9"8 12'1"4 14'1"4 24'3' 6'9"8 5'3"12 2' 10'1"12 1'3"12 1'3"8 1'4"8 1'3"12 1'3"12 - 2'6" -(TYP) – 2'3"4 —<del>-</del> ≡W=3X4 ∭3X5 G H ≡1.5X3 ≡6X6 B ≡W=3X4 ∭5X5 C ∥2.5<u>X</u>6 ||4X6 ||4X6 ∥4X5 M **∭5**X5 =6X6 **∥2**X4 3"8 <u>~</u> ⊕8' 1 **⊐‡**"8 = AA = 6X8 = W=3X4 S ∭5X5 ≡W=3X5 = Q =5X6 ≡4X6 ≡W=H0308 **∥**3̂X5 R ≡6X8 **∥4**X5 =5X6 24'3" 4'3" ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R± /Rh / RI / R. /Rw /U

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria			
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#			
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.376 I 760 480			
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.517 I 552 360			
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.050 B			
Des Ld: 55.00	EXP: NA Kzt: NA Mean Height: NA ft		HORZ(TL): 0.069 B			
NCBCLL: 10.00	TCDL: NA psf	Building Code:	Creep Factor: 2.0			
Soffit: 0.00	BCDL: NA psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.577			
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.583			
Spacing: 24.0 "	C&C Dist a: NA	Rep Fac: Yes	Max Web CSI: 0.666			
	Loc. from endwall: NA	FT/RT:12(0)/10(0)				
	I: NA GCpi: NA	Plate Type(s):				
	Wind Duration: NA WAVE, HS		VIEW Ver: 23.02.04.0123.14			
Lumber						

### Lumbei

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; B3,B4 4x2 SP M-31; Webs: 4x2 SP #3;

### **Plating Notes**

All plates are 2.5X6 except as noted.

### Hangers / Ties

(J) Hanger Support Required, by others

### **Additional Notes**

2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-8-0.

Pg: NA	Ct: NA	CAT: NA	PP Deflection	n in	loc I	L/defl	L/#	ı
Pf: NA		Ce: NA	VERT(LL):	0.37	6 I	760	480	ı
Lu: NA	Cs: NA		VERT(CL):	0.51	7 I	552	360	ı
Snow Du	ration: NA		HORZ(LL):	0.05	0 B	-	-	ı
			HORZ(TL):	0.06	9 B	-	-	ı
Building Code:			Creep Factor: 2.0					ı
FBC 8th I	Ed. 2023 F	Res.	Max TC CSI	: 0	.577			l

LUC	K+	/ K-	/ KII	/ ISW	70	/ KL
AD	1318	/-	/-	/-	/-	/-
Q	1337	/-	/-	/-	/-	/-
ΑD	Brg V	Vid = 5.0	Min	Req = 1.5	(Truss	s)
Q	Brg V	Vid = -	Min	Req = -		
Bea	ring A	D is a rig	jid surf	ace.		
Mer	nbers	not listed	have	forces less	s than 3	75#
Max	timun	Top Ch	ord F	orces Per	Ply (lbs	s)
Cho	rds 1	ens.Con	np.	Chords	Tens.	Comp.
В-(	С	0 - 20	083	I - J	0	- 5419
C - I	D	0 - 3	711	J-K		- 5407
				J - K	0	- 5407
D - I	E	0 -3		K-L	0	- 3407 - 4619
D - I	_	0 - 3	711		-	
	F		711 426	K-L	Ö	- 4619
E - I	F G H	0 -4	711 426 208	K - L L - M	0	- 4619 - 4619

Maximum	<b>Bot Chord</b>	Forces	Per Ply	(lhe)
Maxilliulli	DOL CHOIL	i Oices	1 61 1 14	(IDS)

Chords	Tens.Co	mp.	Chords	Tens. Co	omp.
AD-AC	1166	0	W - V	5419	0
AC-AB	2976	0	V - U	5075	0
AB-AA	2976	0	U - T	4172	0
AA- Z	4379	0	T-S	4172	0
Z - Y	4933	0	S-R	2940	0
Y - X	4933	0	R - Q	1110	0
X - W	5427	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
AD- B	0 - 1716	J - V	0	- 401
B-AC	1386 0	V - K	835	- 49
AC- C	0 - 1349	K-U	0	- 689
C -AA	1082 0	U - M	676	0
AA- E	0 - 945	M - S	0	- 1006
E - Z	534 0	S - N	968	0
Z - F	0 - 728	N - R	0	- 1368
F-X	422 0	R - O	1398	0
X - H	0 -438	O - Q	0	- 1650
H - W	492 - 395			

COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

WANTERSTEIN STANSFORM

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SEQN: 773364 / SY42 Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T4 / FROM: CDM Qty: 17 Reed & Susan Kellner Addtn DrwNo: 263.24.1233.08203 Truss Label: F10 GA / DF 09/19/2024 6'9"8 12'1"4 19'4"4 24'6" 14'1"4 20'4"8 6'9"8 5'3"12 5'3" 1'0"4 4'1"8 1'3"12 1'4"8 1'3"12 1'3"12 1'3"12 3" - 2'6" -(TYP) ≡W=3X4 |||3X5 G H ≡W=3X4 ⊪4X5 K L ≡1.5X3 ≡6X6 ∥2.5<u>X</u>6 **≡5**X6 =6X6 <u>\_3</u>"8 <u>~</u> ⊕8' 1 **⊐**‡"8 sĔ AF ≡6X8 AD ≡6X8 AB ⊪3X5 U AC ≡5X6 ≡5X5 1114X5 ≡6×8 W=H0308 =W=3X4 24'6" -4'6" Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Gravity Non-Gravity Wind Std: NA Ct: NA CAT: N TCLL: 40.00 Pg: NA oc R+ / R-/Rw /U / RL Speed: NA mph TCDL: 10.00 Pf: NA Ce: NA Enclosure: NA BCI I · 0.00 Lu: NA Cs: NA Category: NA BCDL: 5.00 Snow Duration: NA EXP: NA Kzt: NA

### Lumber

Des Ld:

Soffit:

NCBCLL: 10.00

Spacing: 24.0 "

Load Duration: 1.00

55.00

0.00

Top chord: 4x2 SP #2; T3,T4 4x2 SP M-31; Bot chord: 4x2 SP M-31; B1,B2 4x2 SP #2; Webs: 4x2 SP #3;

Mean Height: NA ft

MWFRS Parallel Dist: NA

Loc. from endwall: NA

TCDL: NA psf

BCDL: NA psf

C&C Dist a: NA

I: NA GCpi: NA Wind Duration: NA

### **Plating Notes**

All plates are 2.5X6 except as noted.

### **Additional Notes**

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-8-0

NA	IPP Deflection	on in id	oc i	∟/aeπ	L/#	
	VERT(LL):					느
	VERT(CL):	0.572	I	506	360	Α
	HORZ(LL):	0.055	В	-	-	S
	HORZ(TL):	0.076	В	-	-	Α
	Creep Facto	or: 2.0				S

Max TC CSI: 0.491 Max BC CSI: 0.677 Max Web CSI: 0.736

VIEW Ver: 23.02.04.0123.14

AG	1335	/-	/-	/-	/-	/-
S	1335	/-	/-	/-	/-	/-
AG	Brg V	Vid = 5	.0 Mi	in $Req = 1$ .	5 (Trus	s)
s	Brg V	Vid = 3	.0 Mi	in Req = 1.	5 (Trus	s)
Bea	rings .	AG & 5	are a	rigid surfac	e.	•
Men	nbers	not list	ed hav	e forces les	s than	375#
Max	imun	Top (	Chord I	Forces Per	Plv (lb	s)
				Chords		•
B-0	2	0 -	2115	I - J	0	- 5574
C - I	0	0 -	3774	J - K	0	- 5561
D - I	Ε	0 -	3774	K-L	0	- 4862
E-F	=	0 -	4508	L - M	0	- 4862
F - 0	3	0 -	5320	M - N	0	- 3410
G-I	Н	0 -	5320	N - O	0	- 3385
H - I		0 -	5571	O - P	0	- 2152

Maximum	Rot	Chord	Forces	Dor	DIV	(lhe)
Maxilliulli	DUL	CHUIU	LOICE2	LEI	riy (	inai

Cnoras	rens.Co	mp.	Choras	Tens. Co	omp.
AG-AF AF-AE	1182 3023	0	Z - Y Y - X	5574 5265	0
AE-AD	3023	0	X - W	4346	0
AD-AC	4460	0	W - V	4346	0
AC-AB	5031	0	V - U	3385	0
AB-AA	5560	0	U - T	3357	0
AA- Z	5560	0	T - S	1129	0

### Maximum Web Forces Per Plv (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
AG- B	0 - 1740	J - Y	0 - 423
B -AF	1409 0	Y - K	809 - 95
AF- C	0 - 1372	K - X	0 -646
C -AD	1105 0	X - M	818 0
AD- E	0 - 970	M - V	0 - 1470
E -AC	551 0	V - N	593 0
AC- F	0 - 750	U - O	666 0
F-AB	442 0	O - T	0 - 1821
AB- H	0 -458	T - P	1546 0
H - Z	521 - 382	P - S	0 - 1662



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**Building Code:** 

TPI Std: 2014

FT/RT:12(0)/10(0)

Rep Fac: Yes

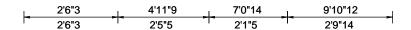
Plate Type(s):

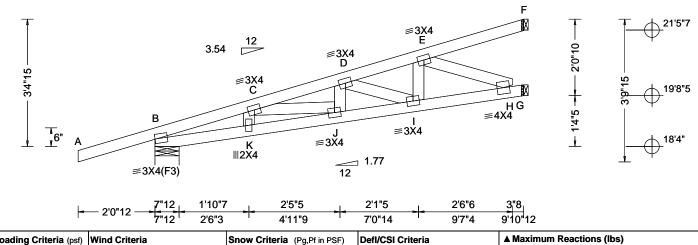
WAVE, HS

FBC 8th Ed. 2023 Res.



SEQN: 783052 HIP\_ Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T27 FROM: CDM Reed & Susan Kellner Addtn Qty: 1 DrwNo: 263.24.1635.03993 Truss Label: HJ01 NW / DF 09/19/2024





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/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): 0.042 J 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.086 J 999 180	E
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 I	0
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 19.99 ft		HORZ(TL): 0.021 l	F
NCBCLL: 0.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	١,
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.315	E
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.461	ľ
Spacing: 24.0 "	C&C Dist a: 3.00 ft ft	Rep Fac: No	Max Web CSI: 0.341	١i
	Loc. from endwall: NA	FT/RT:20(0)/10(0)		N
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	(
Lumber				

### Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 358 /122 /-G 475 /-/126 /-161 /84 /-Wind reactions based on MWFRS Brg Wid = 7.8 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = Brg Wid = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

B - C D-E 312 - 940 294 - 895 C-D 399 - 1207

# Loading

Top chord: 2x4 SP #2;

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

Hipjack supports 6-11-15 setback jacks with no webs.

### Wind

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

### **Additional Notes**

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is 3-4-15.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.

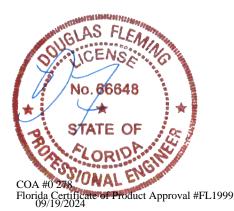
Provide hanger or special connection at Bot chord.

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp. B - K 828 - 270 J - I 1172 - 389 K - J 864 - 285 1 - H 850 - 288

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

E - H 304 - 890



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

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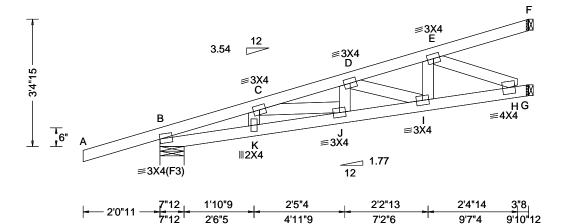
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

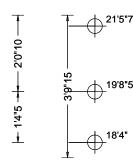
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 783054 HIP\_ Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T34 FROM: CDM Reed & Susan Kellner Addtn Qty: 1 DrwNo: 263.24.1635.10237 Truss Label: HJ02 NW / DF 09/19/2024







Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	١.
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 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: 19.99 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft ft Loc. from endwall: NA 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.042 J 999 240 VERT(CL): 0.086 J 999 180 HORZ(LL): 0.010 l HORZ(TL): 0.021 l Creep Factor: 2.0 Max TC CSI: 0.316 Max BC CSI: 0.461 Max Web CSI: 0.334  VIEW Ver: 23.02.04.0123.14	
Lumber				

	<b>▲</b> N	laxim	um Rea	ctions (	(lbs)		
		G	avity		No	on-Grav	/ity
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	В	358	/-	/-	/-	/123	/-
	G	482	/-	/-	/-	/130	/-
	F	154	/-	/-	/-	/80	/-
	Wir	nd rea	ctions b	ased on	MWFRS		
	В	Brg \	Vid = 7.	8 Min	Req = 1.5	(Truss	s)
	G	Brg V	Vid = 1.	5 Min	Req = -		
	F	Brg \	Vid = 1.	5 Min	Req = -		
	Bea	aring E	3 is a rig	id surfac	ce.		
	Mei	mbers	not liste	ed have	forces less	s than 3	375#
					orces Per		
	Cho	ords -	Tens.Co	mp.	Chords	Tens.	Comp.
	В-	С	294	-896	D-E	303	- 911

Chords Tens.Comp.

399 - 1208

829 - 271

- 285

Maximum Web Forces Per Ply (lbs)

864

Tens.Comp.

296 - 868

Maximum Bot Chord Forces Per Ply (lbs)

Chords

J - I

1 - H

Tens. Comp.

- 390

- 277

1174

818

C-D

B - K

K-J

Webs

E-H

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

### Loading

Hipjack supports 6-11-15 setback jacks with no webs.

# Wind

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

### **Additional Notes**

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is 3-4-15.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.

Provide hanger or special connection at Bot chord.

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** \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	THE REAL PROPERTY.
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STATE OF /g	- 3
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COA #0 278	1 //05

Florida Certificate of Product Approval #FL1999 09/19/2024

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SEQN: 783094 HIP\_ Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T32 FROM: CDM Reed & Susan Kellner Addtn DrwNo: 263.24.1635.17487 Qty: 1 Truss Label: HJ03 NW / DF 09/19/2024 5'1"5 9'10"12 5'1"5 4'9"6 D 21'5"7 12 **∌3X4** C 18'4' F E ≡4X4 G ∥2X4  $\equiv$ 2X4(B1) 5'1"5 4'5"14 5'1"5 9'7"4

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): 0.031 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.062 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 F
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 19.98 ft		HORZ(TL): 0.014 F
NCBCLL: 0.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.654
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.580
Spacing: 24.0 "	C&C Dist a: 3.00 ft ft	Rep Fac: No	Max Web CSI: 0.393
	Loc. from endwall: NA	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;

### Loading

Hipjack supports 6-11-15 setback jacks with no webs.

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

### **Additional Notes**

The overall height of this truss excluding overhang is

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord. Provide (3)16d common nails(0.162"x3.5"), toe nailed at Bot chord.

# Loc R+ В Е Wind reactions based on MWFRS

Chords Tens.Comp. B - C 273 - 827

Brg Wid = 7.8

Brg Wid = 1.5

Brg Wid = 1.5

Bearing B is a rigid surface.

364 /-

374 /-

256

▲ Maximum Reactions (lbs) Gravity

/Rh

/-

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - G 776 - 255 G-F 768 - 258

Non-Gravity

/125 /-

/74 /-

/134

/RL

/Rw /U

Min Req = 1.5 (Truss)

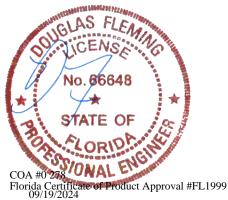
Min Req = -

Min Req = -

Members not listed have forces less than 375# **Maximum Top Chord Forces Per Ply (lbs)** 

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. C-F 277 - 826



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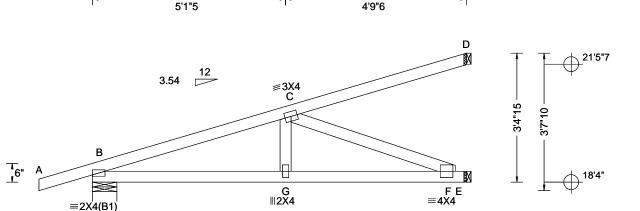
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For more information see these web sites: Alpine: alpineitw.com: TPI: binst.org: SBCA: sbcacomponents.com: ICC: iccsafe.org: AWC: awc.org



SEQN: 783092 HIP\_ Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T22 FROM: CDM Qty: 1 Reed & Susan Kellner Addtn DrwNo: 263.24.1635.23643 Truss Label: HJ04 NW / DF 09/19/2024 5'1"5 9'10"12



- 1'5"	5'1"5	4'5"14	3,"8,
F- 15 -F-	5'1"5	9'7"4	9'10"12

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): 0.031 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.062 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.014 F
NCBCLL: 0.00	Mean Height: 20.08 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.651
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.582
Spacing: 24.0 "	C&C Dist a: 3.00 ft ft	Rep Fac: No	Max Web CSI: 0.396
	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

### Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 278 -833

Loc R+

256

В 350

Е 376 /-

### Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - G 783 - 259 G-F 775 - 262

Non-Gravity

/119 /-

/135

/RL

/-/75 /-

/Rw /U

Min Req = 1.5 (Truss)

Min Req = -

Min Req = -

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

▲ Maximum Reactions (lbs) Gravity

/Rh

/-

Wind reactions based on MWFRS Brg Wid = 7.8

Brg Wid = 1.5

Brg Wid = 1.5

Bearing B is a rigid surface.

C-F 282 - 834

### Lumber

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

### Loading

Hipjack supports 6-11-15 setback jacks with no webs.

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

### **Additional Notes**

The overall height of this truss excluding overhang is 3-4-15.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord. Provide (3)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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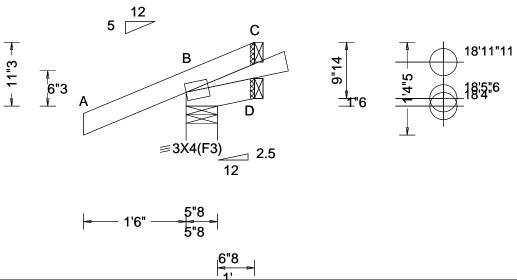
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SEQN: 783036 JACK Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T54 FROM: CDM Qty: 2 DrwNo: 263.24.1635.40473 Reed & Susan Kellner Addtn Truss Label: J01 NW / DF 09/19/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): -0.001 C HORZ(TL): 0.001 C	
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 18.75 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft ft Loc. from endwall: Any GCpi: 0.18	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0  Max TC CSI: 0.244  Max BC CSI: 0.029  Max Web CSI: 0.000	\ E C
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	
Lumber				

▲ M	aximı	um Rea	ctions (II	os)		
Gravity		N	Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	214	/-	/-	/151	/86	/38
D	15	/-2	/-	/8	/4	/-
С	-	/-32	/-	/29	/34	/-
Win	d read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 5.	5 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min F	Req = -	•	•
С	Brg V	Vid = 1.	5 Min F	Req = -		
Bea	ring B	is a rig	id surface	). •		
Men	nbers	not liste	ed have fo	orces les	s than	375#

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Lt Wedge: 2x4 SP #3;

### Wind

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord. Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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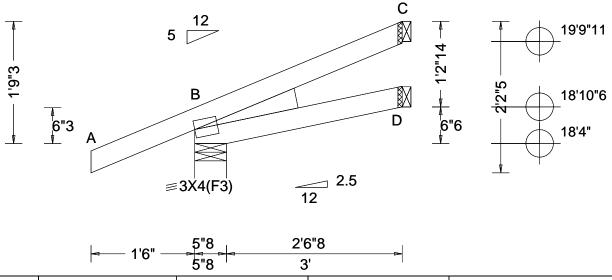
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 783040 JACK Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T24 FROM: CDM Reed & Susan Kellner Addtn Qty: 2 DrwNo: 263.24.1635.44497 Truss Label: J02 NW / DF 09/19/2024



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: 19.27 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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): 0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): -0.001 C HORZ(TL): 0.001 C Creep Factor: 2.0 Max TC CSI: 0.228 Max BC CSI: 0.092 Max Web CSI: 0.000  VIEW Ver: 23.02.04.0123.14	1
Lumber	•	1		_

, , , , , , , , , , , , , , , , , , ,	N <sub>1</sub>	0	
/ 51		on-Gra	vity
/ Rh	/ Rw	/ U	/ RL
/-	/125	/57	/66
/-	/30	/-	/-
/-	/41	/55	/-
based on N	<b>MWFRS</b>		
5.5 Min F	Req = 1.5	(Trus	s)
1.5 Min F	Req = -	-	-
1.5 Min F	?eq = -		
rigid surface	).		
sted have fo	rces les	s than	375#
	based on M 5.5 Min F 1.5 Min F 1.5 Min F igid surface	/- /30 /- /41 based on MWFRS 5.5 Min Req = 1.5 1.5 Min Req = - 1.5 Min Req = - rigid surface.	/- /30 /- /- /41 /55 based on MWFRS 5.5 Min Req = 1.5 (Trus 1.5 Min Req = - 1.5 Min Req = -

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Lt Wedge: 2x4 SP #3;

### Wind

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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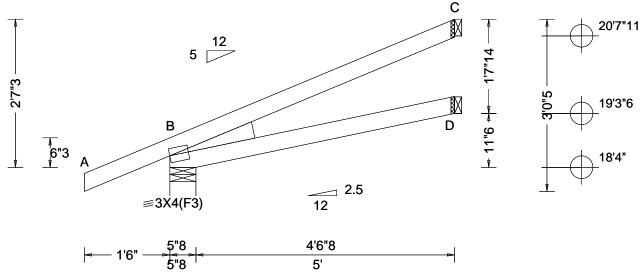
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SEQN: 783044 JACK Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T23 FROM: CDM Qty: 2 DrwNo: 263.24.1635.46973 Reed & Susan Kellner Addtn Truss Label: J03 NW / DF 09/19/2024



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): 0.001 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.005 C
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.009 B
NCBCLL: 10.00	Mean Height: 19.68 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.426
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.280
Spacing: 24.0 "	C&C Dist a: 3.00 ft 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			

<b>▲</b> N	/laxim	um Rea	ctions (I	bs)		
	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	278	/-	/-	/171	/76	/102
D	97	/-	/-	/52	/-	/-
С	142	/-	/-	/74	/92	
Wi	nd read	ctions b	ased on I	<b>MWFRS</b>		
В	Brg V	Vid = 5.	5 Min f	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min f	Req = -	•	•
С	Brg V	Vid = 1.	5 Min F	Req = -		
Be	aring B	is a rig	id surface	э.		
Me	mbers	not liste	ed have fo	orces les	s than	375#

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Lt Wedge: 2x4 SP #3;

### Wind

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord. Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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

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

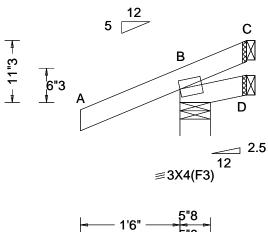
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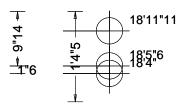
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SEQN: 783038 JACK Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T21 FROM: CDM Reed & Susan Kellner Addtn Qty: 2 DrwNo: 263.24.1635.50480 Truss Label: J04 NW / DF 09/19/2024





		110"1	,	
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): 0.000 B 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 C	ı
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 18.85 ft		HORZ(TL): 0.001 C	(
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	\
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.104	1
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.014	1;
Spacing: 24.0 "	C&C Dist a: 3.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.000	lì
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)		١i
	GCpi: 0.18	Plate Type(s):		┨.
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	ı
Lumber		•		_

<b>A</b> I	<b>Maxim</b>	um Rea	actions (II	os)		
	G	avity	-	No	on-Gra	vity
Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	140	/-	/-	/93	/49	/31
D	18	/-	/-	/7	/0	/-
С	3	/-	/-	/12	/13	/-
Wi	nd read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 5	.5 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1	.5 Min F	. = eq	•	•
			.5 Min F			
Ве	aring B	is a rig	gid surface	).		
Me	mbers	not list	ed have fo	rces les	s than	375#
IVIE	ilineis	HOL HSL	eu nave it	nces les	s ulali	313#

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

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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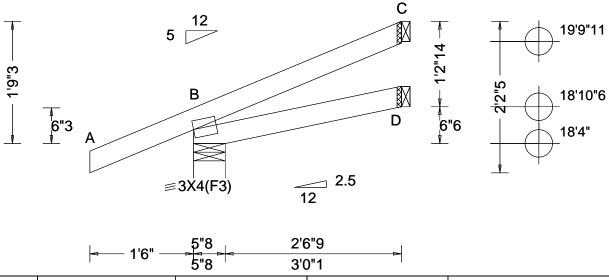
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SEQN: 783042 JACK Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T49 FROM: CDM Reed & Susan Kellner Addtn Qty: 2 DrwNo: 263.24.1635.54193 Truss Label: J05 NW / DF 09/19/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.27 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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): 0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): -0.001 C HORZ(TL): 0.001 C Creep Factor: 2.0 Max TC CSI: 0.186 Max BC CSI: 0.092 Max Web CSI: 0.000  VIEW Ver: 23.02.04.0123.14

axımı	ım Rea	actions (II	os)		
G	ravity		No	on-Gra	vity
R+	/ R-	/ Rh	/ Rw	/ U	/ RL
200	/-	/-	/125	/57	/66
58	/-	/-	/30	/-	/-
81	/-	/-	/41	/55	/-
d read	tions b	ased on N	/WFRS		
Brg V	Vid = 5	.5 Min F	Req = 1.5	(Trus	s)
Brg V	Vid = 1	.5 Min F	Req = -		-
ring B	is a rig	id surface	).		
bers	not list	ed have fo	orces les	s than	375#
	R+ 200 58 81 d read Brg V Brg V Brg V ring B	Gravity R+ / R-  200 /- 58 /- 81 /- d reactions b Brg Wid = 5. Brg Wid = 1. Brg Wid = 1. ing B is a rig	Gravity R+ / R- / Rh  200 /- /- 58 /- /- 81 /- /- d reactions based on N Brg Wid = 5.5 Min F Brg Wid = 1.5 Min F Brg Wid = 1.5 Min F sing B is a rigid surface	R+ / R- / Rh / Rw  200 /- /- /- /125  58 /- /- /30  81 /- /- /41  d reactions based on MWFRS Brg Wid = 5.5 Min Req = -1.5  Brg Wid = 1.5 Min Req = -  Brg Wid = 1.5 Min Req = -  ring B is a rigid surface.	Gravity Non-Gravity R+ / R- / Rh / Rw / U  200 /- /- /- /125 /57  58 /- /- /30 /-  81 /- /- /41 /55  dreactions based on MWFRS  Brg Wid = 5.5 Min Req = 1.5 (Trus  Brg Wid = 1.5 Min Req = -  Brg Wid = 1.5 Min Req = -

### Lumber

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

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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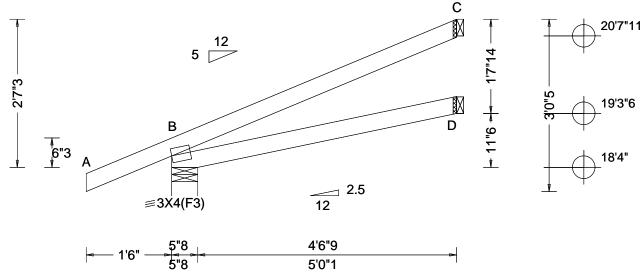
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SEQN: 783046 JACK Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T26 FROM: CDM Reed & Susan Kellner Addtn Qty: 2 DrwNo: 263.24.1635.57990 Truss Label: J06 NW / DF 09/19/2024



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): 0.001 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.005 C
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.009 B
NCBCLL: 10.00	Mean Height: 19.68 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.426
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.280
Spacing: 24.0 "	C&C Dist a: 3.00 ft 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			

<b>▲</b> N	/laxim	um Rea	ctions (I	bs)		
	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	278	/-	/-	/171	/76	/102
D	97	/-	/-	/52	/-	/-
С	142	/-	/-	/74	/92	/-
Wi	nd read	ctions b	ased on I	<b>MWFRS</b>		
В	Brg V	Vid = 5.	5 Min f	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min f	Req = -	•	•
С	Brg V	Vid = 1.	5 Min f	Req = -		
Be	aring B	is a rig	id surface	э.		
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 member design.

Wind loading based on both gable and hip roof types.

### **Additional Notes**

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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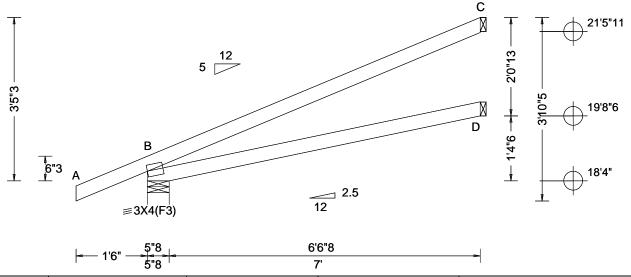
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SEQN: 783048 **EJAC** Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T47 FROM: CDM Reed & Susan Kellner Addtn Qty: 14 DrwNo: 263.24.1636.01487 Truss Label: J07 NW / DF 09/19/2024



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): 0.002 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.005 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.026 B
NCBCLL: 10.00	Mean Height: 20.10 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.832
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.579
Spacing: 24.0 "	C&C Dist a: 3.00 ft 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			

▲ M	axim	um Rea	actions (II	os)		
	G	ravity		No	on-Grav	/ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	358	/-	/-	/217	/95	/138
D	136	/-	/-	/74	/-	/-
С	201	/-	/-	/105	/129	/-
Win	d read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 5	.5 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1	.5 Min F	Req = -		-
С	Brg V	Vid = 1	.5 Min F	Req = -		
Bea	ring B	is a rig	gid surface	).		
Mer	nbers	not list	ed have fo	rces les	s than 3	375#

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

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

Shim all supports to solid bearing.

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

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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

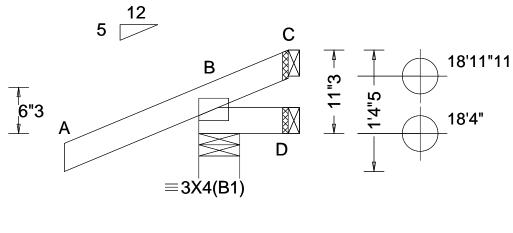
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JACK Ply: 1 Qty: 2 Job Number: 24-0942 Reed & Susan Kellner Addtn Truss Label: J08

Cust: R 215 JRef: 1Y3e2150007 T16 DrwNo: 263.24.1636.04583 NW / DF 09/19/2024



1'6"	1'
10	1'

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): NA
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 C
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 C
NCBCLL	: 10.00	Mean Height: 18.85 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit:	2.00	BCDL: 4.2 psi	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.104
Load Dur	ration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.012
Spacing:	24.0 "	C&C Dist a: 3.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.000
' "		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

	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	157		/-	/110	/51	/30
D	14	/-	/-	/7	/2	/-
С	-	/-11	/-	/17	/20	/-
Win	d read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 5.	5 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min F	Req = -		-
С	Brg V	Vid = 1.	5 Min F	?eq = -		
Bea	ring B	is a rig	id surface	).		
Mer	nbers	not liste	ed have fo	orces les	s than	375#

### Lumber

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord. Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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

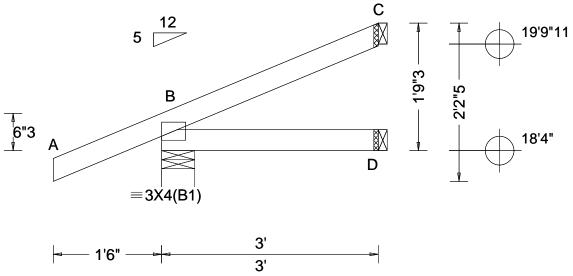
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SEQN: 783080 JACK Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T43 FROM: CDM Reed & Susan Kellner Addtn Qty: 2 DrwNo: 263.24.1636.07247 Truss Label: J09 NW / DF 09/19/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	l
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): NA	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 B	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 19.27 ft		HORZ(TL): 0.001 B	
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.194	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.081	
Spacing: 24.0 "	C&C Dist a: 3.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.000	
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		l
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	
Lumber				

	G	avity	•	No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL
В	207	/-	/-	/136	/55	/65
D	55	/-	/-	/28	/-	/-
С	75	/-	/-	/38	/50	/-
Win	d read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 5.	5 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min F	Req = -		-
С	Brg V	Vid = 1.	.5 Min F	Req = -		
Bea	ring B	is a rig	id 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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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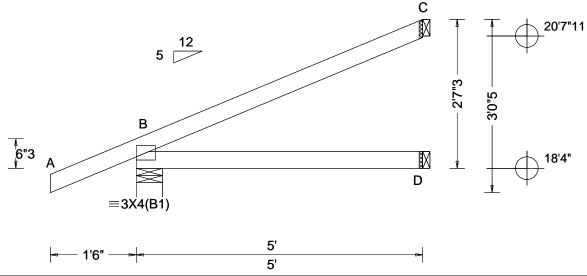
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SEQN: 783090 JACK Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T12 FROM: CDM Reed & Susan Kellner Addtn Qty: 2 DrwNo: 263.24.1636.10080 Truss Label: J10 NW / DF 09/19/2024



Defl/CSI Criteria

Loading Criteria (psi)	willa Criteria	Show Criteria (Pg,Prin PSF)	Deli/Coi Cilleria
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): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
DODE: 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: 10.00	Mean Height: 19.68 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.390
l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.258
Spacing: 24.0 "	C&C Dist a: 3.00 ft 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
Laurelaur		•	

Snow Criteria (Pa Pf in PSE)

### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 283 /-/180 /100 D 94 /-/50 /-136 /71 Wind reactions based on MWFRS Brg Wid = 5.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

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

Loading Criteria (nef) Wind Criteria

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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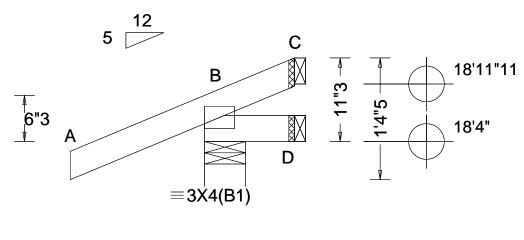
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JACK Ply: 1 Qty: 2 Job Number: 24-0942 Reed & Susan Kellner Addtn Truss Label: J11

Cust: R 215 JRef: 1Y3e2150007 T20 DrwNo: 263.24.1636.12977 NW / DF 09/19/2024





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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	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): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 C
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 C
NCBCLL: 10.00	Mean Height: 18.85 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.104
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.012
Spacing: 24.0 "	C&C Dist a: 3.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.000
'	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
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	▲ Maximum Reactions (lbs)						
		(	avity		No	on-Gra	vity
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	В	157	/-	/-	/111	/51	/30
	D	14	/-	/-	/7	/2	/-
	С	-	/-11	/-	/17	/20	/-
	Win	d rea	ctions ba	ased on N	/WFRS		
	В	Brg \	Nid = 5.3	5 Min F	Req = 1.5	(Trus	ss)
	D	Brg \	Nid = 1.5	5 Min F	Req = -		
	С	Brg \	Vid = 1.5	5 Min F	Req = -		
	Bearing B is a rigid surface.						
	Mer	nbers	not liste	ed have fo	orces less	s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord. Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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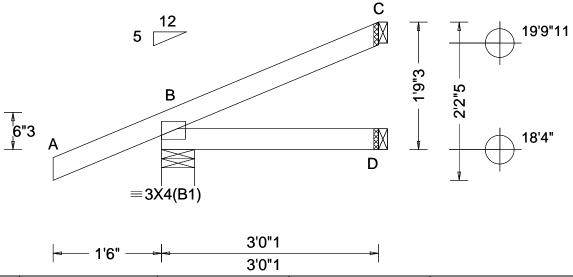
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SEQN: 783082 JACK Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T53 FROM: CDM Qty: 2 DrwNo: 263.24.1636.15537 Reed & Susan Kellner Addtn Truss Label: J12 NW / DF 09/19/2024



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): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B
NCBCLL: 10.00	Mean Height: 19.27 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.156
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.081
Spacing: 24.0 "	C&C Dist a: 3.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.000
-	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			

### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 207 /-/136 /65 D 55 /-/28 /-75 /38 /50 Wind reactions based on MWFRS Brg Wid = 5.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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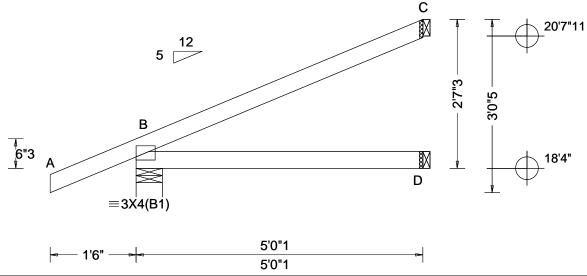
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 783084 JACK Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T17 FROM: CDM Reed & Susan Kellner Addtn Qty: 2 DrwNo: 263.24.1636.19007 Truss Label: J13 NW / DF 09/19/2024



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): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.008 B
NCBCLL: 10.00	Mean Height: 19.68 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.390
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.259
Spacing: 24.0 "	C&C Dist a: 3.00 ft 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			

### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 283 /-/180 /100 D 94 /-/50 /-136 /71 Wind reactions based on MWFRS Brg Wid = 5.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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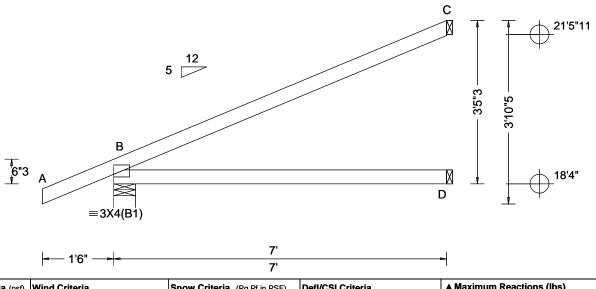
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SEQN: 783086 **EJAC** Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T46 FROM: CDM Reed & Susan Kellner Addtn Qty: 14 DrwNo: 263.24.1636.22483 Truss Label: J14 NW / DF 09/19/2024



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): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.012 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 20.10 ft		HORZ(TL): 0.024 B
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.783
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.539
Spacing: 24.0 "	C&C Dist a: 3.00 ft 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	·		

### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 362 /227 /137 132 /-/-/72 195 /102 Wind reactions based on MWFRS Brg Wid = 5.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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FROM: CDM Qty: 1 Reed & Susan Kellner Addtn DrwNo: 263.24.1636.26087 Truss Label: P01 NW / DF 09/19/2024 10'6" 19'0"14 8'6"14 8'6"14 (TYP) ≡4X4 G 3 12 2'7"12 ≅3X4 K ≤3X4C SC2 В <u>3"</u>14 ≡3X6(C5) ≡2X4(C5) =3X6(C5) =2X4(C5) =5X5 20'5' 21' - 1'6" --

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): 0.012 K 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.023 K 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 K
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.005 K
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.200
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.127
Spacing: 24.0 "	C&C Dist a: 3.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.138
	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
Lumban		Additional Natas	

Job Number: 24-0942

	▲ M	laximu	ım Reac	tions (lbs	), or *=	PLF	
		G	ravity		No	n-Grav	ity
	Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
	Т		/-	/-	/155	/106	/38
	T*	67	/-	/-	/35	/17	/-
	U	149	/-	/-	/75	/35	/-
	Win	d reac	tions bas	sed on MV	VFRS		
	Т	Brg W	/id = 3.5	Min Re	q = 1.5	(Truss	)
	Т	Brg W	/id = 244	Min Re	q = -		
	U	Brg W	/id = 3.5	Min Re	q = 1.5	(Truss	)
	Bearings T, T, & U are a rigid surface.						
	Mer	nbers	not listed	have for	es less	than 3	75#
_							

Cust: R 215 JRef: 1Y3e2150007

T33

### Lumber

SEQN: 783029

GABL

Ply: 1

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

### **Plating Notes**

All plates are 2X4 except as noted.

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

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

Wind loading based on both gable and hip roof types. Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

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 2-7-12.



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

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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SEQN: 783034 COMN Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 FROM: CDM Reed & Susan Kellner Addtn Qty: 4 DrwNo: 263.24.1636.28503 Truss Label: P02 NW / DF 09/19/2024 5'9"8 10'6" 15'2"8 21' 5'9"8 4'8"8 5'9"8 4'8"8 ≡4X4 D <sup>№</sup>2X4 C /⁄2X4 E 2'11"6 -H ≡5X5 G ≡3X4 =2.5X6(A1)  $\equiv$  2.5X6(A1) 21

6'3"5

13'7"11

7'4"5

7'4"5

	▲ Maximum Reactions (lbs)						
Gravity Non-Gravity						/ity	
	Loc R-	+ /R-	/ Rh	/ Rw	/ U	/ RL	
	1 948	3 /-	/-	/472	/249	/38	
	F 842	2 /-	/-	/436	/216	/-	
	Wind re	actions I	pased on	MWFRS			
	I Bro	Wid = 3	.5 Min	Req = 1.5	(Truss	s)	
				Req = 1.5			
			re a rigid			,	
	Membe	rs not lis	ted have	forces les	s than 3	375#	
	Maximum Top Chord Forces Per Ply (lbs)						
				Chords		•	
	в-с	1262 -	- 2422	D-E	1128	- 2189	
	C-D	1117		F-F	1279	- 2458	

7'4"5

21'

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.

<del>-</del> 1'6" <del>- </del>

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.
B - H	2319 - 1195	G-F	2356 - 1196
H - G	1632 - 813		

### Maximum Web Forces Per Ply (lbs)

/vebs	rens.Comp.	vvebs	rens. Comp.		
4 - D	565 - 228	D-G	500	- 250	



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

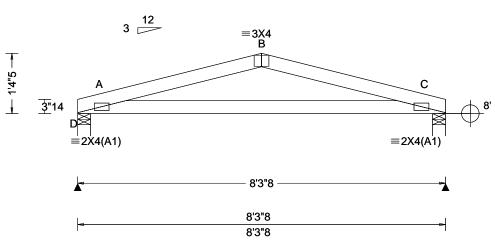
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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SEQN: 783024 COMN Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T35 FROM: CDM Reed & Susan Kellner Addtn Qty: 2 DrwNo: 263.24.1636.31760 Truss Label: P03 NW / DF 09/19/2024 4'1"12 8'3"8 4'1"12 4'1"12



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	<b>▲</b> Maximι
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: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft 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): 0.018 C 999 240 VERT(CL): 0.038 C 999 180 HORZ(LL): 0.005 A HORZ(TL): 0.010 A Creep Factor: 2.0 Max TC CSI: 0.264 Max BC CSI: 0.409 Max Web CSI: 0.000	Loc R+  D 334 C 334 Wind read D Brg V C Brg V Bearings Members Maximum Chords 1 A - B
1				

	▲ Ma	axim	um Re	actions	(lbs)		
		G	avity		N	on-Gra	vity
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
0	_	334		/-	/173	/85	/10
•	_	334		/-		/85	/-
	Win	d rea	ctions b	oased or	n MWFRS		
	D	Brg \	Vid = 3	.5 Mi	n Req = 1.	5 (Trus	s)
	С	Brg \	Vid = 3	.5 Mi	n Req = 1.	5 (Trus	s)
	Bea	rings	D&C	are a rig	id surface.		
	Men	nbers	not list	ted have	forces les	s than	375#
	Max	imun	n Top	Chord F	orces Per	Ply (lk	os)
	Cho	rds <sup>-</sup>	Tens.C	omp.	Chords	Tens.	Comp.
	A - E	3	561	- 641	B - C	561	- 641

### Lumber

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

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

A - C 614 - 503



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SEQN: 783026 COMN Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T36 FROM: CDM Reed & Susan Kellner Addtn DrwNo: 263.24.1636.34037 Qty: 4 Truss Label: P04 NW / DF 09/19/2024 4'1"12 8'3"8 4'1"12 4'1"12 ≡3X4 C D **≡**2X4(A1)  $\equiv$ 2X4(A1) 8'3"8 8'3"8 8'3"8

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 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft 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): 0.016 D 999 240 VERT(CL): 0.036 D 999 180 HORZ(LL): 0.004 B HORZ(TL): 0.009 B Creep Factor: 2.0 Max TC CSI: 0.248 Max BC CSI: 0.399 Max Web CSI: 0.000  VIEW Ver: 23.02.04.0123.14		
Lumbor					

	▲ M	laxim	um Re	actions	(lbs)		
		(	Gravity		N	lon-Grav	vity
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
0	-	399		/-	/205	,	
	D	399	/-	/-	/205	/105	/-
	Win	id rea	ctions l	oased o	n MWFRS		
	F	Brg \	Wid = 3	3.5 Mi	in $Req = 1$ .	5 (Trus	s)
	D	Brg \	Wid = 3	3.5 Mi	in $Req = 1$ .	5 (Trus	s)
	Bea	ırings	F&D	are a rig	gid surface.		
	Mer	nbers	not list	ted hav	e forces les	s than 3	375#
	Maximum Top Chord Forces Per Ply (lbs)						s)
					Chords		
	В-	С	514	- 598	C - D	514	- 598

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

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

B - D 570 - 430



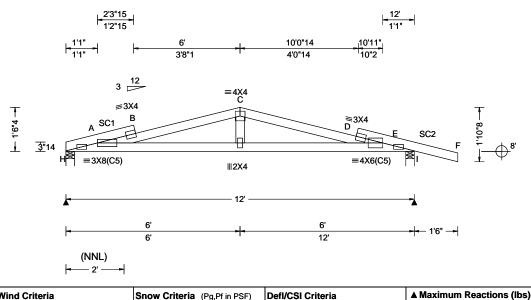
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 783018 GABL Ply: 1 Job Number: 24-0942 Cust: R 215 JRef: 1Y3e2150007 T39 FROM: CDM Qty: 1 Reed & Susan Kellner Addtn DrwNo: 263.24.1636.42480 Truss Label: P05 NW / DF 09/19/2024



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): 0.107 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.210 B 651 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.022 B
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.515
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.747
Spacing: 24.0 "	C&C Dist a: 3.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.088
	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
Lumban		A dditional Natas	

### Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Н 473 /246 /115 /30 /-/301 /153 /-589 Wind reactions based on MWFRS Brg Wid = 3.5Min Reg = 1.5 (Truss) Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings H & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1100 - 1331 1079 - 1300 B - C 1084 - 1298 D-E 1114 - 1327

### Lumber

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

### **Plating Notes**

All plates are 2X4(C5) except as noted.

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

### Wind

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

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 1-6-4.

### **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

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

A - E 1254 - 946



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

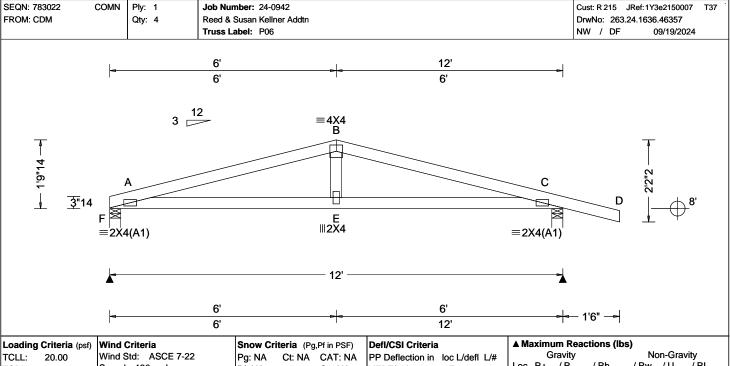
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.036 E 999 240	١.
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.072 E 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 C	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.019 C	1
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 3.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.341	1
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.450	
Spacing: 24.0 "	C&C Dist a: 3.00 ft ft	Rep Fac: Yes	Max Web CSI: 0.096	
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	
		1		_

▲ Maximum Reactions (lbs)							
Gravity Non-0						vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
F	476	/-	/-	/248	/121	/30	
С	588	/-	/-	/299	/156	/-	
Win	d rea	actions b	ased or	MWFRS			
F	Brg	Wid = 3.	5 Mir	n Req = 1.	5 (Trus	s)	
С	Brg	Wid = 3.	5 Mir	Req = 1.	5 (Trus	s)	
Bea	rings	F&Ca	re a rig	id surface.	•	•	
Men	nbers	s not liste	ed have	forces les	s than 3	375#	
Maximum Top Chord Forces Per Ply (lbs)							
				Chords		•	
A - I	3	899 -	1078	B - C	890	- 1079	

### Lumber

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

### Wind

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

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1017 - 765 1017



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



# 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-reinforcement or scab reinforcement.

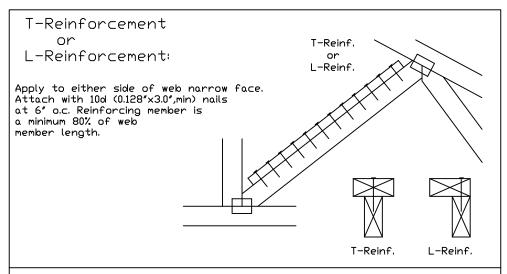
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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

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

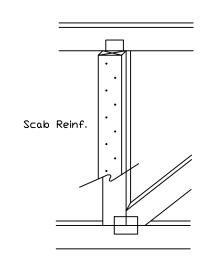
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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



### Scab Reinforcement:

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



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

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

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

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# System 42 Ply to Ply Connection Detail

Using GRK (RSS) JTS 1/4x6-3/4 or Simpson SDS25600 or SDW22634 Strong Drive Screws or Equal.

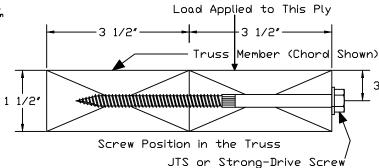
Max. Concentrated Load per Chart Below Top Chord Screw Location dditional Web Screw Location

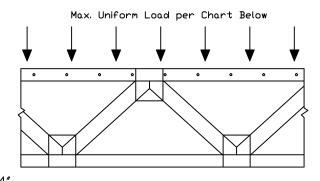
Apply screws to top chord within 12" of the concentrated load location @ 4" o.c., min, evenly distributing them to each side of the concentrated load. A maximum of 6 screws may be applied to the top chord for each concentrated load.

For double top chords, evenly distribute the screws over both top chords, using same spacing guidelines specified above. The max number of top chord screws is 6 per chord member for a total maximum of 12 screws.

If the concentrated load connection requires more screws than 6 per top chord member and the load is located at a panel point where webs intersect the top chord, the remainder of required screws may be applied to those webs below the concentrated load location evenly spaced @ 4" o.c., min, keeping the 3" min end distances. Each additional screw is worth 474 lb for SP webs, 442 lb for DFL webs, and 400 lb for SPF webs.

Refer to Alpine sealed drawing for individual truss design.





For single top chord, see chart below for screw spacing. For double top chord the screw spacing may be doubled (but may not exceed 24" o.c. per chord). Screw spacing shall be offset by 1/2 the o.c. spacing in each chord

Screws need only apply to the extents of that load.

For chord sections supporting less than 100 plf apply one screw at each top chord joint location.

# of Screws	Maximum Concentrated Load (lbs) (1.00 DF)		
·	SP	DFL	SPF
1	474	442	400
2	984	884	800
3	1422	1326	1200
4	1896	1768	1600
5	2370	2210	2000
6	2844	2652	2400
7	3318	3094	2800
8	3792	3536	3200
9	4266	3978	3600
10	4740	4420	4000
11	5214	4862	4400
12	5688	5304	4800

### General Notes:

- 1. Screws centered along the 1.5" dimension of the 4x2 member.
- 2. Minimum end distance of 3".
- 3. Screws installed with head in loaded member.
- 4. Gap between plies not to exceed 1/8".
- 5. Screw location may be adjusted up to 1" to avoid conflict with other hardware or to avoid lumber defects.
- 6. Do not install screws in areas where lumber wane exceeds 1/4".
- 7. Equal loads from both faces or loads that are evenly distributed to each ply do not require connections per this detail.
- 8. For 3x2 members use GRK (RSS) JTS 1/4x3 screvs, or Sim, son's SDS25412 or SDW22500 screws or equilibrium.
- 9. Contact Alpine for special connection of contact the detail.

Top Chord Screw o.c. Spacing (inch)	Maximum Uniform Load (plf) Along Top Chord (1.00 DF)		
	SP	DFL	SPF
4	1422	1326	1200
6	948	884	800
8	711	663	600
10	568	530	480
12	474	442	400
14	406	378	342
16	355	331	300
18	316	294	266
20	284	265	240
22	258	241	218
24	237	221	200
24	23/	221	200



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

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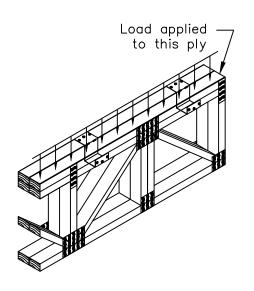
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No. 66648

TC LL	PSF	REF SY42 Connection
TC DL	PSF	DATE 01/19/2018
BC DL	PSF	DRWG CNSY42PL0118
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DUR, FAC.	1.00	
SPACING	-	

# SY32/SY42 PLY TO PLY LSC CONNECTION DETAIL

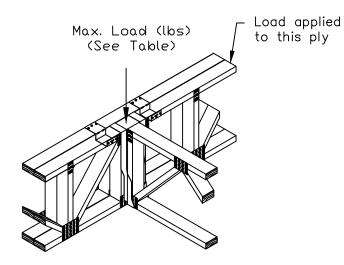
### Uniform Load Application



Max. T.C. Uniform Load (plf)		Clip Spacing _ Along	
SP	DF	SPF/HF	Top Chord
935	810	585	12 <b>"</b> o.c.
625	540	390	18 <b>"</b> o.c.
470	405	295	24 <b>"</b> o.c.
375	325	235	30 <b>″</b> o.c.

Maximum LSC spacing is 30'' o.c.

### Concentrated Load Application



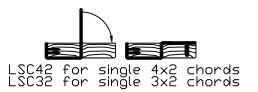
Max Load (lbs)		
SP	SP DF	
1870	1620	1170

Note:

Install LSC adjacent, equidistant, and not more than 6" on each side of concentrated load AS FLEAT

### Installation Instructions:

- 1. Position and attach LSC to loaded ply with (3) 0.131"x1.5" nails into narrow face.
- 2. Bend clip over adjacent ply and attach with (3) 0.131"x1.5" nails into wide face.







LSC42-2 for stacked 4x2 chords LSC32-2 for stacked 3x2 chords

side of concentrated load GAS FLEAR
Refer to Alpine sealed drawing for individual truss design.

## \*\*\*WARNING\*\*\* READ AND FOLLOW ALL NOTES ON THIS DRAVING\*\* \*\*\*IMPORTANT\*\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLED\*\*.

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

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REF SY42 Connection
DATE 10/01/14

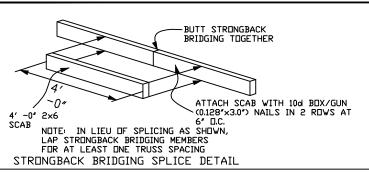
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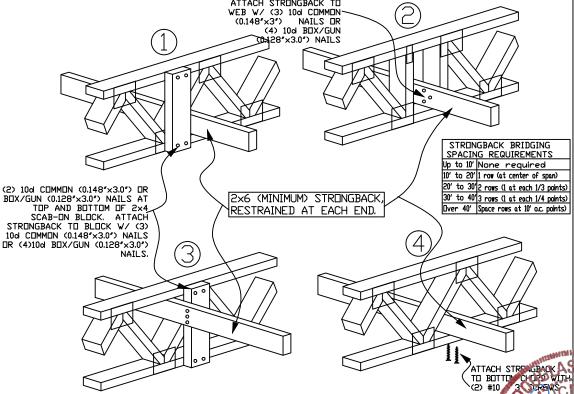
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### STRONGBACK BRIDGING RECOMMENDATIONS



NOTE: Details 1 and 2 are the preferred attachment methods ATTACH STRONGBACK TO



- ► All scab-on blocks shall be a minimum 2x4 "stress graded lumber."
- ► All strongback bridging and bracing shall be a minimum 2x6 "stress graded lumber."
- ► The purpose of strongback bridging is to develop load sharing between individual trusses, resulting in an overall increase in the stiffness of the floor system. 2x6 strongback bridging, positioned as shown in details, is recommended at 10' -0" o.c. (max.)
- The terms "bridging" and "bracing" are sometimes mistakenly used interchangeably. "Bracing" is an important structural requirement of any floor or roof system. Refer to the Truss Design Drawing (TDD) for the bracing requirements for each individual truss component. "Bridging," particularly "strongback bridging" is a recommendation for a truss system to help control vibration. In addition to aiding in the distribution of point loads between adjacent truss, strongback bridging serves to reduce "bounce" or residual vibration resulting from moving point loads, such as footsteps.

The performance of all floor systems are enhanced by the installation of strongback bridging and therefore is strongly recommended by Alpine.

For additional information regarding strongback bridging, refer to BCSI (Building Component Safety Information).

### STRONGBACK BRIDGING ATTACHMENT ALTERNATIVES

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TOT. LD.	PSF	
DUR. FAC.	1.00	
SPACING		

155 Harlem Ave

North Building, 4th Floor Glenview, IL 60025