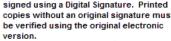
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Alpine, an ITW Company 6750 Forum Drive, Suite 305 Orlando, FL 32821 Phone: (800)755-6001 www.alpineitw.com



Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 21-6094-F
Job Description: Jeff Coker Residence	
Address:	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res.	IntelliVIEW Version: 21.01.01A
	JRef #: 1X8W2150002
Wind Standard: ASCE716 Wind Speed (mph): 0	Design Loading (psf): 60.00
Building Type:	

This package contains general notes pages, 11 truss drawing(s) and 2 detail(s).

Item	Drawing Number	Truss
1	260.21.0855.49603	F01
3	260.21.0855.55567	F03
5	260.21.0855.58823	F05
7	260.21.0856.05560	F07
9	260.21.0856.09990	F09
11	260.21.0856.20267	F11
13	STRBRIBR1014	

Item	Drawing Number	Truss
2	260.21.0855.52427	F02
4	260.21.0855.57250	F04
6	260.21.0856.01230	F06
8	260.21.0856.07307	F08
10	260.21.0856.15730	F10
12	DEFLCAMB1014	

General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

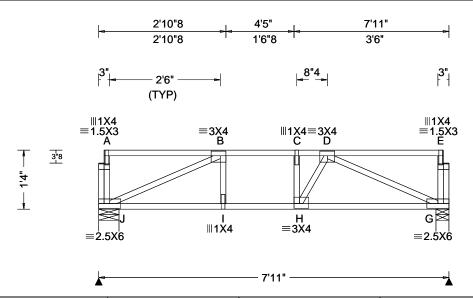
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

- 1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
- 2. ICC: International Code Council; www.iccsafe.org.
- 3. Alpine, a division of ITW Building Components Group Inc.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; www.alpineitw.com.
- 4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
- 5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

SEQN: 26353 SY42 Ply: 1 Job Number: 21-6094-F Cust: R 215 JRef: 1X8W2150002 T4 FROM: DrwNo: 260.21.0855.49603 Qty: 4 Jeff Coker Residence Truss Label: F01 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Τ.
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 60.00 NCBCLL: 10.00 Soffit: 2.00 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 ft 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.041 C 999 480 VERT(CL): 0.073 C 999 360 HORZ(LL): -0.006 D HORZ(TL): 0.010 D Creep Factor: 2.0 Max TC CSI: 0.420 Max BC CSI: 0.376 Max Web CSI: 0.211 VIEW Ver: 21.01.01A.0521.20	
Lumber				

462 G 462 /-/-/-Brg Width = 5.5Min Req = 1.5 Brg Width = 3.5Min Reg = 1.5Bearings J & G 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 0 -689 C - D 0 - 690

/Rh

Non-Gravity

/RL

/Rw /U

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

687 H-G 668 0 I - H 689

Maximum Web Forces Per Ply (lbs)

▲ Maximum Reactions (lbs) Gravity

Loc R+

Webs	Tens.Comp.	Webs	Tens. Comp.
J - B	0 -760	D-G	0 -739

Additional Notes

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

Truss must be installed as shown with top chord up.



09/17/2021

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SEQN: 26356 SY42 Ply: 1 Job Number: 21-6094-F Cust: R 215 JRef: 1X8W2150002 T10 FROM: DrwNo: 260.21.0855.52427 Qty: 7 Jeff Coker Residence Truss Label: F02 / WHK 09/17/2021 18'3" 8' 8' 1'6"8 8'8'8 2'6"12 (TYP) ∥1X4 C ∥1X4 E FG =3X4 D ≡4X8 B ∥1X4 H **=4X8** 3"8 Q ≡3X10 M ≡3X10 **≡3X8** W=H0308 18'3"

				т
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.351 E 610 480	L
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.528 E 406 360	F
DCDL. 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.043 B	L
Dec 1 d 60 00	EXP: NA Kzt: NA		HORZ(TL): 0.064 B	F
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0	L
0-454	TCDL: NA psf BCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.674	E
	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.509	1
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Yes	Max Web CSI: 0.709	!
opaomy. 2 no	Loc. from endwall: NA	FT/RT:12(0)/10(0)		2
	I: NA GCpi: NA	Plate Type(s):		E
	Wind Duration: NA	WAVE. HS	VIEW Ver: 21.01.01A.0521.20	19
		1	l .	J [

▲ I	Maxim	um Rea	ctions	(lbs)		
	G	avity		N	on-Gra	vity
Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	1082	/-	/-	/-	/-	/-
L	1082	/-	/-	/-	/-	/-
R	Brg V	Vidth =	5.5	Min Re	q = 1.5	5
L	Brg V	Vidth =	5.5	Min Re	q = 1.5	5
Be	arings	R&La	re a rig	id surface.		
Me	embers	not list	ed have	forces les	s than	375#
Ma	ximun	n Top C	hord F	orces Per	Ply (lk	os)
Ch	ords	Tens.Co	mp.	Chords	Tens.	Comp.
В-	·C	0 -	3299	F-G	0	- 3924
] c .	- D	0 -	3299	G-H	0	- 3304
Ъ.	- E	0 -	3925	H-I	0	- 3304
Ε-	·F	0 -	3924			

Lumber

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

Deflection

Max JT VERT DEFL: LL: 0.35" DL: 0.22". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

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

Truss must be installed as shown with top chord up.

Maximu	ım Bot C	hord F	orces Per	Ply (lbs)	
Chords	Tens.Co	mp.	Chords	Tens. Co	omp.
R - Q	1957	0	O - N	3925	0
Q - P	3923	0	N - M	3895	0
P - O	3925	0	M - L	1958	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Co	mp.	Webs	Tens.	Comp.
R-B	0 -2	2165	G - M	0	- 684
B - Q	1483	0	M - I	1488	0
Q - D	0 -	886	I-L	0	- 2166
N - G	421 -	250			



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SEQN: 26359 SY42 Ply: 1 Job Number: 21-6094-F Cust: R 215 JRef: 1X8W2150002 T5 FROM: Qty: 1 DrwNo: 260.21.0855.55567 Jeff Coker Residence Truss Label: F03 / WHK 09/17/2021 2'2"12 9'6"8 14'5" 14',9"12 19'8" 5'4"8 4'4"14 4"12 4'8"12 1'6"8 4'10"4 - 2'6" 2'6"12 (TYP) 4'8" ≡W=3X4 ≡5X6 D E =6X12 B **∥3**X4 ≡W=3X4 F G ≡6X12 K =6X8 C 3"8 14 Ö U ≡5X10 T ≡8X14 O ≡8X14 ≡5X5 ≡W=H0308 =5X10 19'8" ▲ Maximum Reactions (lbs)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 60.00 NCBCLL: 10.00 Soffit: 2.00 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 MWFRS Parallel Dist: NA C&C Dist a: NA ft 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:12(0)/10(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.369 F 625 480 VERT(CL): 0.554 F 416 360 HORZ(LL): 0.041 N HORZ(TL): 0.062 N Creep Factor: 2.0 Max TC CSI: 0.476 Max BC CSI: 0.514 Max Web CSI: 0.730 VIEW Ver: 21.01.01A.0521.20	
Lumber		WAVE, HS	1.2	J C

Gravity Non-Gravity /Rw /U Loc R+ /Rh /RL 1609 /-1617 /-/-/-/-Brg Width = -Min Req = -Brg Width = 5.5Min Req = 1.5Bearing N is 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 - 6053 G - H 0 - 7629 0 - 6053 - 6255 C - D H - I D - E 0 - 6053 I-J - 6255 E-F 0 - 7630 J - K 0 - 6255 F-G 0 - 7629

Top chord: 4x2 SP M-31; T5 4x2 SP #2; Bot chord: 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 0.00 to BC: From 20 plf at 0.00 to TC: 459 lb Conc. Load at 7.02 0.00 to 100 plf at 0.00 to 20 plf at 19.54 19.67

TC: 419 lb Conc. Load at 13.65

Plating Notes

All plates are 2.5X6 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Deflection

Max JT VERT DEFL: LL: 0.37" DL: 0.19". See detail DEFLCAMB1014 for camber recommendations

Additional Notes

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

Truss must be installed as shown with top chord up.

U - T	3269	0	Q-P	7456	C
T - S	7629	0	P - O	7456	C
S - R	7629	0	O - N	3429	C
R - Q	7630	0			

Maximum Bat Chard Faress Day Div (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - U	286 - 446	H-0	0 - 1304
U - B	0 - 3493	1-0	0 -577
B - T	3022 0	0 - K	3068 0
C - T	0 -411	K-N	0 - 3724
T - E	0 - 1711		



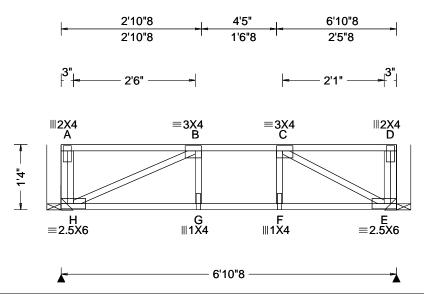
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SEQN: 26365 SY42 Ply: 1 Job Number: 21-6094-F Cust: R 215 JRef: 1X8W2150002 T6 FROM: DrwNo: 260.21.0855.57250 Qty: 1 Jeff Coker Residence Truss Label: F04 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	١,
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 60.00 NCBCLL: 10.00 Soffit: 2.00 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 BCDL: NA psf WWFRS Parallel Dist: NA C&C Dist a: NA ft 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 7th Ed. 2020 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): 0.033 G 999 480 VERT(CL): 0.059 G 999 360 HORZ(LL): 0.010 B HORZ(TL): 0.018 B Creep Factor: 2.0 Max TC CSI: 0.443 Max BC CSI: 0.342 Max Web CSI: 0.153	1
	Wind Duration: NA	WAVE	VIEW Ver: 21.01.01A.0521.20	ָי ו
Lumber				_

▲ Maximum Reactions (lbs) Non-Gravity Gravity Loc R+ /R /Rh /Rw /U /RL Н 412 /-/-Е 412 /-/-Brg Width = -Min Req = -Brg Width = -Min Reg = -Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B-C 0 -496 rimum Bot Chard Farces Per Ply (lbs)

waximum bot Chord Forces Fer Fly (lbs)					
Chords	Tens.Co	mp.	Chords	Tens. Co	omp.
H-G	495	0	F-E	493	0
G-F	496	0			

Maximum Web Forces Per Ply (lbs)				
Webs	Tens.Comp.	Webs	Tens. Comp.	
H - B	0 - 554	C-F	0 - 573	

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.



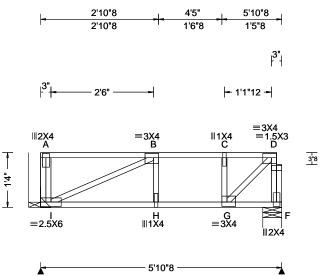
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SEQN: 26368 SY42 Ply: 1 Job Number: 21-6094-F Cust: R 215 JRef: 1X8W2150002 T7 FROM: DrwNo: 260.21.0855.58823 Qty: 1 Jeff Coker Residence Truss Label: F05 / WHK 09/17/2021



	▲ Maximum Reactions (lbs)							
			Gravity		N	lon-Gra	avity	
)	Loc	R+	· / R-	/ Rh	/ Rw	/ U	/ RL	_
)	ı	357	/-	/-	/-	/-	/-	
	F	336	/-	/-	/-	/-	/-	
	1	Brg	Width =	-	Min Re	eq = -		
	F	Brg	Width =	5.5	Min Re	eq = 1.	5	
	Bea	ring	F is a rig	id surfa	ce.	=		
	Men	nber	s not liste	ed have	forces les	s than	375#	
	Max	imu	m Web I	Forces	Per Ply (I	bs)		
	Web	os	Tens.Co	mp.	Webs	Ťens.	. Comp.	_
	I-B		0	- 385	G-D	482	2 0	

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Additional Notes

Truss must be installed as shown with top chord up.



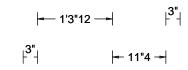
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

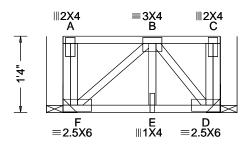
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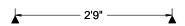
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SEQN: 26371 SY42 Ply: 1 Job Number: 21-6094-F Cust: R 215 JRef: 1X8W2150002 T13 FROM: DrwNo: 260.21.0856.01230 Qty: 1 Jeff Coker Residence Truss Label: F06 / WHK 09/17/2021







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): 0.004 E 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.005 E 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.001 D
Des Ld: 60.00	EXP: NA Kzt: NA		HORZ(TL): 0.001 D
NCBCLL: 10.00	Mean Height: NA ft TCDL: NA psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.171
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.121
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.080
'	Loc. from endwall: NA	FT/RT:12(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 21.01.01A.0521.20
	*		•

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 283 /-D 459 /-/-/-/-Brg Width = -Min Req = -Brg Width = -D Min Reg = -Members not listed have forces less than 375#

Lumber

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) TC: From 100 plf at 0.00 to BC: From 20 plf at 0.00 to TC: 412 lb Conc. Load at 1.85 0.00 to 100 plf at 0.00 to 20 plf at 2.75 2.75

Hangers / Ties

(J) Hanger Support Required, by others

Additional Notes

Truss must be installed as shown with top chord up.



09/17/2021

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SEQN: 26374 SY42 Ply: 1 Job Number: 21-6094-F Cust: R 215 JRef: 1X8W2150002 T9 FROM: Qty: 1 DrwNo: 260.21.0856.05560 Jeff Coker Residence Truss Label: F07 / WHK 09/17/2021 2'2"12 9'6"8 14'5" 14',9"12 19'8" 5'4"8 4'4"14 4"12 4'8"12 1'6"8 4'10"4 - 2'6" 2'6"12 (TYP) 4'8" ≡W=3X4 ≡5X6 D E =6X10 B **∥3**X4 ≡W=3X4 F G ≡6X12 K ≡1.5X3 =6X8 C 3"8 14 Ö =6X8 O ≡6X12 T ≡6X12 ≡5X5 ≡W=H0308 =6X8['] 19'8" ▲ Maximum Reactions (lbs)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	•
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 60.00 NCBCLL: 10.00 Soffit: 2.00 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 ft Loc. from endwall: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:12(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.363 F 635 480 VERT(CL): 0.545 F 423 360 HORZ(LL): 0.039 B HORZ(TL): 0.058 B Creep Factor: 2.0 Max TC CSI: 0.820 Max BC CSI: 0.470 Max Web CSI: 0.622 VIEW Ver: 21.01.01A.0521.20	
Lumber				F

Gravity Non-Gravity R+ /Rh /Rw /U /RL 1449 /-/-1450 /-

/-Brg Width = -Min Req = Brg Width = 5.5 Min Req = 1.5

Bearing N is a rigid surface.

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

Onlords	r cris.comp.	Onlords	i Cilo.	Comp.	
B-C	0 - 5281	G-H	0	- 6652	
C - D	0 - 5281	H - I	0	- 5449	
D-E	0 - 5281	I - J	0	- 5449	
E-F	0 - 6654	J-K	0	- 5449	
F-G	0 - 6652				

Top chord: 4x2 SP #2; Bot chord: 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 0.00 to BC: From 20 plf at 0.00 to TC: 283 lb Conc. Load at 7.02 0.00 to 100 plf at 19.54 0.00 to 20 plf at 19.67 TC: 267 lb Conc. Load at 13.65

Plating Notes

All plates are 2.5X6 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Deflection

Max JT VERT DEFL: LL: 0.36" DL: 0.18". See detail DEFLCAMB1014 for camber recommendations

Additional Notes

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

Truss must be installed as shown with top chord up.

Maximu	ım Bot C	hord F	orces Per	Ply (lbs)	
Chords	Tens.Co	mp.	Chords	Tens. Co	omp.
U - T	2908	0	Q-P	6512	0
T-S	6651	0	P - O	6512	0
S - R	6651	0	O - N	3042	0
	0054	_			

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	webs	rens. Comp.
A - U	242 - 395	H-O	0 -1153
U - B	0 -3111	I - O	0 -453
B - T	2576 0	O - K	2614 0
T - E	0 - 1488	K - N	0 - 3303

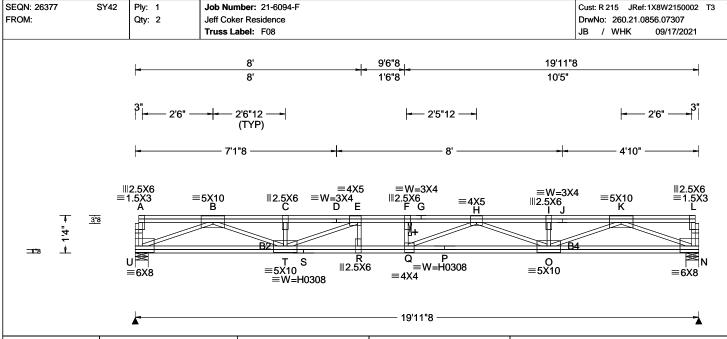


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
. 022	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.423 F 555 480	L
DCLL. 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.636 F 369 360	ι
10.00 I	Category: NA	Snow Duration: NA	HORZ(LL): 0.033 N	١
Dec 1 d - 60 00	EXP: NA Kzt: NA Mean Height: NA ft		HORZ(TL): 0.050 N	ι
NCBCLL: 10.00	TCDL: NA psf	Building Code:	Creep Factor: 2.0	ı
Soffit: 2.00	BCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.683	E
l	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.774	N
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Yes	Max Web CSI: 0.897	۱"
-	Loc. from endwall: NA	FT/RT:12(0)/10(0)		-
	I: NA GCpi: NA	Plate Type(s):		E
	Wind Duration: NA	WAVE, HS	VIEW Ver: 21.01.01A.0521.20]

Top chord: 4x2 SP #2; Bot chord: 4x2 SP M-31; B2,B4 4x2 SP #2; Webs: 4x2 SP #3;

Deflection

Max JT VERT DEFL: LL: 0.42" DL: 0.25". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

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

Truss must be installed as shown with top chord up.

▲ Maximum Reactions (lbs)					
(avity	-	N	on-Grav	/ity
Loc R+	/ R-	/ Rh	/Rw	/ U	/ RL
U 1185	/-	/-	/-	/-	/-
N 1185	/-	/-	/-	/-	/-
U Brg \	Vidth = 5.5	5	Min Re	q = 1.5	;
N Brg \	Vidth = 5.5	5	Min Re	q = 1.5	;
Bearings	U & N are	a rigid s	urface.	•	
Members	not listed	have for	ces les	s than 3	375#
Maximur	n Top Cho	ord Ford	es Per	Ply (lb:	s)
Chords '	Tens.Com	р. С	hords	Tens.	Ćomp.
в-с	0 -41	28 G	- H	0	- 5195
C-D	0 -41	28 H	- I	0	- 4162
D-E	0 -41	28 I-	J	0	- 4162
E-F	0 - 51	99 J	- K	0	- 4162
F-G	0 - 51	95			

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

Chords	Tens.Co	mp.	Chords	Tens. Co	omp.
U - T	2413	0	Q-P	5056	0
T - S	5192	0	P - O	5056	0
S - R	5192	0	O - N	2426	0
R-Q	5199	0			

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	webs	rens. Comp.
U - B	0 - 2620	H - O	0 - 971
B - T	1863 0	O - K	1885 0
T - E	0 - 1336	K-N	0 - 2634
Q-H	611 - 252		

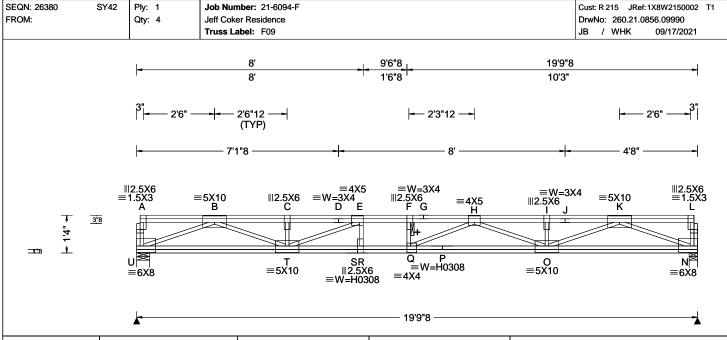


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 60.00	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.428 F 544 480 VERT(CL): 0.644 F 362 360 HORZ(LL): 0.038 N HORZ(TL): 0.058 N Creep Factor: 2.0	11 ひとひと
Soffit: 2.00	TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA		Max TC CSI: 0.686 Max BC CSI: 0.865 Max Web CSI: 0.887 VIEW Ver: 21.01.01A.0521.20	B N N C B C D

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

Deflection

Max JT VERT DEFL: LL: 0.43" DL: 0.25". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

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

Truss must be installed as shown with top chord up.

▲ M	▲ Maximum Reactions (lbs)					
	(avity		N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
U	1175	/-	/-	/-	/-	/-
N	1175	/-	/-	/-	/-	/-
U	Brg V	Vidth =	5.5	Min Re	eq = 1.5	5
N	Brg V	Vidth =	3.5	Min Re	eq = 1.5	5
Bea	arings	U&Na	are a rig	id surface.		
Mei	mbers	not list	ed have	forces les	s than :	375#
Max	ximun	n Top C	hord F	orces Per	Ply (lb	s)
Cho	ords -	Tens.Co	mp.	Chords	Tens.	Comp.
В-	С	0 -	4087	G-H	0	-5112
C -	D	0 -	4087	H - I	0	- 4116
D -	E	0 -	4087	I - J	0	- 4116
E-	_	_	F44F	J-K	_	4440
E -	F	0 -	5115	J - N	0	- 4116

Maximum	Bot Chor	d Forces	Per	Ply (lbs)
---------	----------	----------	-----	-----------

Chords	Tens.Co	mp.	Chords	Tens. Co	omp.
U - T	2390	0	Q-P	4984	0
T-S	5110	0	P - O	4984	0
S - R	5110	0	O - N	2401	0
R-O	5115	Λ			

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	webs	i ens.	Comp.
U - B	0 - 2596	H - O	0	- 942
B - T	1842 0	O - K	1863	0
T - E	0 - 1296	K-N	0	- 2607
Q-H	592 - 255			



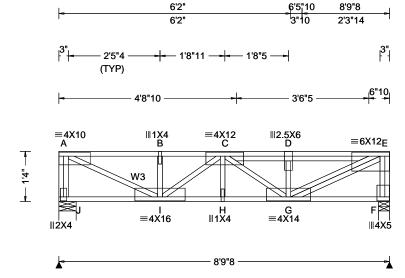
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SEQN: 26383 SY42 Ply: 1 Job Number: 21-6094-F Cust: R 215 JRef: 1X8W2150002 T11 FROM: DrwNo: 260.21.0856.15730 Qty: 1 Jeff Coker Residence Truss Label: F10 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	1
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.135 H 736 480	<u> </u>
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.203 H 491 360	IJ
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.011 F	F
Des Ld: 60.00	EXP: NA Kzt: NA		HORZ(TL): 0.017 F	١,
NCBCLL: 0.00	Mean Height: NA ft TCDL: NA psf	Building Code:	Creep Factor: 2.0	F
Soffit: 2.00	BCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.997	E
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.580	N
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: No	Max Web CSI: 0.976	2
	Loc. from endwall: NA	FT/RT:12(0)/10(0)		
	I: NA GCpi: NA	Plate Type(s):		1
	Wind Duration: NA	WAVE	VIEW Ver: 21.01.01A.0521.20] [

▲ Maximum Reactions (lbs)						
	G	ravity		N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J 1	454	/-	/-	/-	/-	/-
F 2	829	/-	/-	/-	/-	/-
JE	3rg W	/idth = 5	5.5	Min Re	q = 1.	5
FE	3rg W	/idth = 3	3.5	Min Re	q = 1.5	5
Beari	ngs .	J&Fare	e a rigio	d surface.		
Meml	bers	not liste	d have	forces les	s than	375#
Maxi	mum	Top CI	nord F	orces Per	Ply (lk	os)
Chord	ds T	ens.Cor	mp.	Chords	Tens.	Comp.
A - B		0 -2	585	C-D	0	- 3894
B-C		0 -2	585	D - E	0	- 3872

Lumber

Top chord: 4x2 SP M-31; Bot chord: 4x2 SP M-31; Webs: 4x2 SP #3; W3 4x2 SP #2;

Special Loads

--(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00) TC: From 100 plf at 0.00 to 100 plf at 4.77 to 50 plf at 8.79 50 plf at 20 plf at BC: From 0.00 to 20 plf at 4.77 10 plf at BC: From 4.77 to 10 plf at 8.79 TC: 1609 lb Conc. Load at 4.77 TC: 412 lb Conc. Load at 6.15 TC: 1449 lb Conc. Load at 7.81

Additional Notes

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 4065 H-G

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs A - J D - G - 1599 0 - 1426 0 2889 F-E 769 A - I 0 I-C - 3554 0 - 1808 E-F 0 G-E 4097

0



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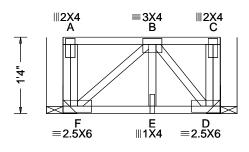
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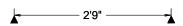
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SEQN: 26386 SY42 Ply: 1 Job Number: 21-6094-F Cust: R 215 JRef: 1X8W2150002 T8 FROM: DrwNo: 260.21.0856.20267 Qty: 1 Jeff Coker Residence Truss Label: F11 / WHK 09/17/2021





▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 267 /-D 419 /-/-/-/-Brg Width = -Min Req = -Brg Width = -D Min Reg = -Members not listed have forces less than 375#

Lumber

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

Special Loads

---(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00) TC: From 100 plf at 0.00 to BC: From 20 plf at 0.00 to TC: 357 lb Conc. Load at 1.85 0.00 to 100 plf at 0.00 to 20 plf at 2.75 2.75

Hangers / Ties

(J) Hanger Support Required, by others

Additional Notes

Truss must be installed as shown with top chord up.



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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

Camber may be built into trusses to compensate for the vertical deflection that results from the application of loads. Providing camber has the following advantages:

- Helps to ensure level ceilings and floors after dead loads are applied.
- Facilitates drainage to avoid ponding on flat or low slope roofs.
- Compensates for different deflection characteristics between adjacent trusses.
- Improves appearance of garage door headers and other long spans that can appear to "sag."
- Avoids "dips" in roof ridgelines at the transition from the gable to adjacent clear span trusses.

In accordance with ANSI/TPI 1 the Building Designer, through the Construction Documents, shall provide the location, direction, and magnitude of all loads attributable to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding loads.

The amount of camber is dependent on the truss type, span, loading, application, etceteras.

More restrictive limits for allowable deflection and slenderness ratio (L/D) may be required to help control vibration.

The following tables are provided as guidelines for limiting deflection and estimating camber. Conditions or codes may exist that require exceeding these recommendations, or past experience may warrant using more stringent limitations.

Commentary: Deflection and Camber

L = Span of Truss (inches)

D = Depth of Truss at Deflection Point (inches)

Recommended Truss Deflection Limits

<u>Truss Type</u>	<u>L/D</u>	<u>Deflection</u>	<u>Limits</u>
		<u>Live Load</u>	<u>Total Load</u>
Pitched Roof Trusses	24	L/240 (vertical)	L/180 (vertical)
Floor of Room-In-Attic Trusses	24	L/360 (vertical)	L/240 (vertical)
Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)
Residential Floor Trusses	24	L/360 (vertical)	L/240 (vertical)
Commercial Floor Trusses	20	L/480 (vertical)	L/240 (vertical)
Scissors Trusses	24	0.75" (horizontal)	1.25" (horizontal)

Pitched Trusses 1.00 x Deflection from Actual Dead Load

Sloping Parallel 1.5 x Vertical Deflection from

Chord Trusses Actual Dead Load

Floor Trusses (0.25 x Deflection from Live Load) +

Actual Dead Load

Flat Roof Trusses $(0.25 \times Deflection from Live Load) +$

(1.5 x Design Dead Load Deflection)

Note: The actual dead load may be considerably less than

the design dead load.

VARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING ****IMPORTANT*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, shaping, installing and specific practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bot on choid shall have a properly attached rigid celling. Locations shown for permanent lateral restraint of weights shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each for truss and position as shown above and on the Joint Details, unless noted otherwise.

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

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

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

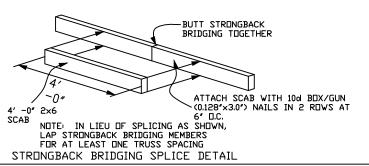
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

DEFLEC/CAMB DATE 10/01/14 DRWG DEFLCAMB1014

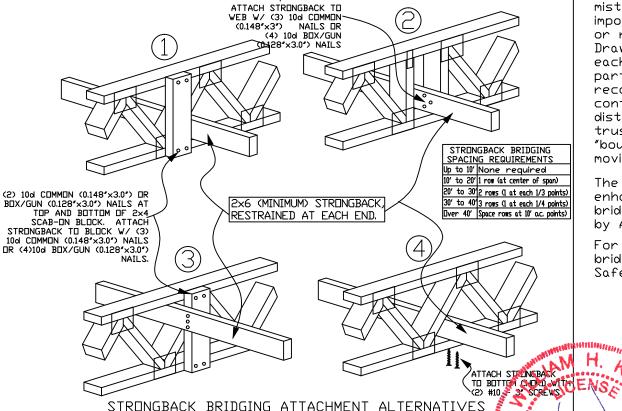
514 Earth City Expressway Suite 242

Earth City, MO 63045

STRONGBACK BRIDGING RECOMMENDATIONS



 $N\Box TE$: Details 1 and 2 are the preferred attachment methods



- ► 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).

##VARNING## READ AND FOLLOW ALL NOTES ON THIS DRAVING ##IMPORTANT## FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to ano follow the latest edition of BCSI (Bulloling Component Safety Information, by TPI and SBCA) for sale ty practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bot on chord shall have a properly attached rigid celling. Locations shown for permanent lateral restraint if webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each of truss and position as shown above and on the Joint Details, unless noted otherwise.

Refer to drawings ISOA-Z for standard plate positions.

Alpine, a division of ITV Building Conponents 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 a cross-saway or the street of the street of the street of the street of professional engineering responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

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

No. 70861	1E LL
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-U/1-#U121/6"	SDACING

KRITHING

J€ LL	PSF	REF STRONGBACK
TC DL	PSF	DATE 10/01/14
BC DL	PSF	DRWG STRBRIBR1014
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TOT. LD.	PSF	
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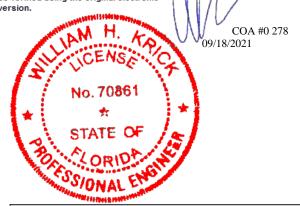
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Alpine, an ITW Company 6750 Forum Drive, Suite 305 Orlando, FL 32821 Phone: (800)755-6001 www.alpineitw.com



Site Information:	Page 1:	
Customer: W. B. Howland Company, Inc.	Job Number: 21-6094-R	
Job Description: Jeff Coker Residence		
Address:		

Job Engineering Criteria:			
Design Code: FBC 7th Ed. 2020 Res.	IntelliVIEW Version: 21.01.01A		
	JRef #: 1X8W2150011		
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00		
Building Type: Closed			

This package contains general notes pages, 58 truss drawing(s) and 7 detail(s).

Item	Drawing Number	Truss
1	260.21.1106.35570	A01
3	260.21.1106.34195	A03
5	260.21.1106.34462	A05S
7	260.21.1106.35929	B02
9	260.21.1106.32273	C01
11	260.21.1106.32976	C03
13	260.21.1106.35023	C04S
15	260.21.1106.35367	C05S
17	260.21.1106.32133	D02S
19	260.21.1106.35445	E02
21	260.21.1106.33523	E04
23	260.21.1612.46343	E06
25	260.21.1612.53693	E08
27	260.21.1106.33899	E10
29	260.21.1106.32820	G01
31	260.21.1106.32945	G03
33	260.21.1106.35758	H02S
35	260.21.1106.33023	J01
37	260.21.1106.34351	J02
39	260.21.1106.35446	J03
41	260.21.1106.36195	J04
43	260.21.1106.34242	J05
45	260.21.1106.33820	J07
47	260.21.1106.33837	J09
49	260.21.1106.34867	J11
51	260.21.1106.35242	J13

Item	Drawing Number	Truss
2	260.21.1106.32399	A02
4	260.21.1106.34617	A04S
6	260.21.1106.33554	B01
8	260.21.1106.33211	B03
10	260.21.1106.33836	C02
12	260.21.1106.32101	C04
14	260.21.1106.33586	C05
16	260.21.1106.32164	D01
18	260.21.1106.34461	E01
20	260.21.1106.35054	E03
22	260.21.1612.42247	E05
24	260.21.1612.48727	E07
26	260.21.1106.36289	E09
28	260.21.1106.34429	E11
30	260.21.1106.32679	G02
32	260.21.1106.33336	H01S
34	260.21.1106.35540	H03S
36	260.21.1106.32554	J01HJ
38	260.21.1106.32492	J02HJ
40	260.21.1106.34321	J03HJ
42	260.21.1106.34695	J04HJ
44	260.21.1106.35243	J06
46	260.21.1106.34711	J08
48	260.21.1106.36258	J10
50	260.21.1106.33258	J12
52	260.21.1106.35601	J14

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and the state of t		
Site Information:	Page 2:	
Customer: W. B. Howland Company, Inc.	Job Number: 21-6094-R	
Job Description: Jeff Coker Residence		
Address:		

Item	Drawing Number	Truss
53	260.21.1106.35101	PB01
55	260.21.1106.32258	PB03
57	260.21.1106.33399	V02
59	A14015ENC160118	
61	BRCLBSUB0119	
63	PB160160118	
65	VALTN160118	

Item	Drawing Number	Truss
54	260.21.1106.34086	PB02
56	260.21.1106.33086	V01
58	260.21.1106.34524	V03
60	A14030ENC160118	
62	GBLLETIN0118	
64	VAL180160118	

General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

- 1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
- 2. ICC: International Code Council; www.iccsafe.org.
- 3. Alpine, a division of ITW Building Components Group Inc.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; www.alpineitw.com.
- 4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
- 5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

SEQN: 396851 / HIPS Ply: 2 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T18 FROM: Qty: 1 DrwNo: 260.21.1106.35570 Jeff Coker Residence Truss Label: A01 / WHK 09/17/2021 2 Complete Trusses Required 10'1"11 15'3"6 18' 20'5"2 25'6"13 2'8"10 2'5"2 5'5"3 5'1"11 5'1"11 5'1"11 **∥4X6** ≡5X6 D =3X4 G =5<u>¥</u>6 III 6X8 Н ТЗ Т2 1'6"14 抽 = R Q ≡4X4 ≡SS0712 3"14 =6X6 P ≡3X4 0 ||4X6 Ν =5X6 ∥2X4 =3X12(A1) =3X12(A1) =SS0712 36

5'1"11

20'8"10

3'10"4

1'3"7

24'6"14 25'10"5

5'3"7

31'1"12

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 1.159 P 369 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 2.230 P 192 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.111 J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.214 J
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.549
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.744
Spacing: 24.0 "	C&C Dist a: 3.60 ft	Rep Fac: No	Max Web CSI: 0.964
-	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, 18SS	VIEW Ver: 21.01.01A.0521.20
Lumber		Additional Notes	

11¦15

115"2

4'1"12

15'6"14

5'5"3

10'5"3

Lumber

Top chord: 2x4 SP #2; T2,T3 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W2,W10 2x4 SP #2;

Nailnote

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

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) -1.00 to TC: From 61 plf at 61 plf at 30 plf at 5.00 to 30 plf at TC: From TC: From 61 plf at 31.00 to 61 plf at 37.00 BC: From BC: From 4 plf at -1.00 to 0.00 to 4 plf at 0.00 20 plf at 10 plf at 20 plf at 10 plf at 5.03 BC: From 30.97 5.03 to BC: From 20 plf at 30.97 to 20 plf at 36.00 BC: From 4 plf at 36.00 to TC: 16 lb Conc. Load at 5.03,30.97 TC: 126 lb Conc. Load at 7.06, 9.06,11.06,13.06 15.06,17.06,18.94,20.94,22.94,24.94,26.94,28.94 BC: 508 lb Conc. Load at 5.03,30.97 88 lb Conc. Load at 7.06, 9.06,11.06,13.06 15.06,17.06,18.94,20.94,22.94,24.94,26.94,28.94

Wind loads and reactions based on MWFRS. Wind loading based on both gable and hip roof types. The overall height of this truss excluding overhang is 1-6-14

	▲ Maxir	num Rea	ctions	(lbs)		
		Gravity		N	on-Grav	vity
)	Loc R	- / R-	/ Rh	/ Rw	/ U	/ RL
)	T 279	7 /-	/-	/-	/535	/-
	U 279	7 /-	/-	/-	/535	/-
	Wind re	actions b	ased on	MWFRS		
	T Brg	Width =	3.5	Min Re	q = 1.5	;
	U Brg	Width =	3.5	Min Re	q = 1.5	;
	Bearing	s T & U a	are a rigi	d surface.		
	Member	rs not list	ed have	forces les	s than 3	375#
	Maximu	ım Top (Chord F	orces Per	Ply (lb	s)
	Chords	Tens.Co	omp.	Chords	Tens.	Comp.
	B-C	982 -	5287	F-G	1922	- 10329
	C-D	951 -	5133	G-H	1913	- 10286
	D-E	1611 -	8669	H-I	1585	- 8525
	E-F	1922- 1	0329	I - J	987	- 5299

4'10"4

36

Maximum	Bot Chord	Forces	Per	Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
B-S	5133 - 951	O - N	8689 - 1629	
S-R	8534 - 1599	N - M	8689 - 1629	
R-Q	10295 - 1928	M - L	5105 - 944	
Q-P	10295 - 1928	L-J	5145 - 956	
P-0	10348 - 1938			

Maximum Web Forces Per Ply (lbs)

vvens	rens.comp.	webs	Tens. (Jonep.
C-S	1058 - 241	O - H	1639	- 291
S - D	663 - 3481	H - M	175	- 647
D - R	532 - 46	M - I	3505	- 657
R-E	326 - 1668			



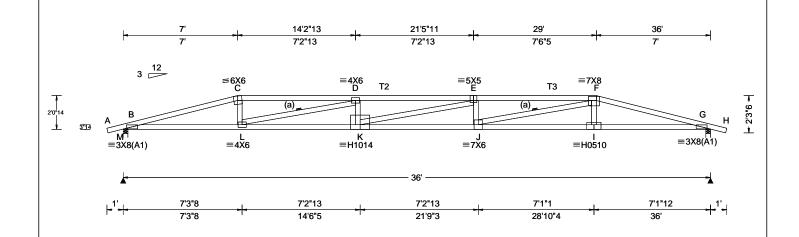
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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



SEQN: 12962 / HIPS Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T7 FROM: DrwNo: 260.21.1106.32399 Qty: 1 Jeff Coker Residence Truss Label: A02 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.824 E 520 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 1.643 E 260 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.119 G
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.236 G
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.981
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.729
Spacing: 24.0 "	C&C Dist a: 3.60 ft	Rep Fac: Yes	Max Web CSI: 0.929
-	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

	▲ Maximum Reactions (lbs)						
		Gravity		N	on-Grav	/ity	
	Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL	
	M 15	14 /-	/-	/777	/293	/24	
	G 15	14 /-	/-	/777	/293	/-	
	Wind reactions based on MWFRS						
	M Br	g Width =	3.5	Min Re	q = 1.5	;	
	G Br	g Width =	3.5	Min Re	q = 1.5	;	
	Bearing	s M & G	are a rigi	id surface.			
	Membe	rs not list	ed have	forces les	s than 3	375#	
	Maxim	um Top (Chord Fo	orces Per	Ply (lb:	s)	
	Chords	Tens.Co	omp.	Chords	Tens.	Comp.	
_	B-C	2250	4751		3404	- 6960	
	1 C - D		4690	F-G	2257	- 4762	
	D-F	3430 -		1 - 0	2201	- 4702	
	D-E	J 4 30 -	1003				

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords B-L 4569 - 2118 4593 - 2121 I - G 6985 - 3342 4581 - 2127 L-K

7033 - 3366

K-J

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C-L 745 - 248 E-J 397 - 449 L-D 1341 - 2369 J - F 2438 - 1339



09/18/2021

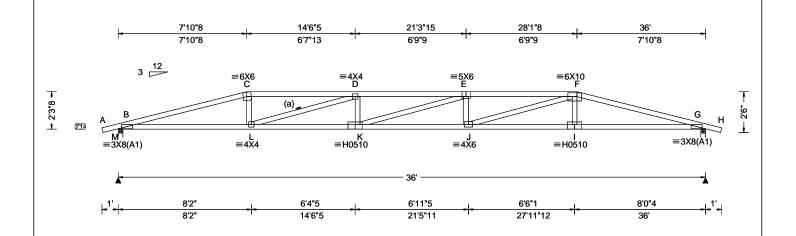
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 12965 / HIPS Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T23 FROM: DrwNo: 260.21.1106.34195 Qty: 1 Jeff Coker Residence Truss Label: A03 / WHK 09/17/2021



	now Critoria (Pa Pf in PSF)	Defl/CSI Criteria	П
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.60 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	g: NA Ct: NA CAT: NA ff: NA Ce: NA u: NA Cs: NA inow Duration: NA uilding Code: BC 7th Ed. 2020 Res. PI Std: 2014 tep Fac: Yes T/RT:20(0)/10(0) tlate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.648 E 661 240 VERT(CL): 1.292 E 331 180 HORZ(LL): 0.110 G	

L	u	m	ıb	е	r

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

▲ Maxir	▲ Maximum Reactions (lbs)						
Gravity Non-Gravity							
Loc R+		/ Rh		/ U	/RL		
M 151	4 /-	/-	/775	/292	/26		
G 151	4 /-	/-	/775	/292	/-		
Wind re	Wind reactions based on MWFRS						
M Brg	Width =	3.5	Min Re	q = 1.5	;		
G Brg	Width =	3.5	Min Reg = 1.5				
Bearing	s M & G	are a rigi	id surface.	•			
Membei	s not list	ed have	forces les	s than 3	375#		
Maximu	ım Top (Chord Fo	orces Per	Ply (lb	s)		
Chords	Tens.C	omp.	Chords	Tens.	Ćomp.		
в-с	2168 -	4651	E-F	3017	- 6227		
C-D	2171 -	4567	F-G	2173	- 4660		
D-E	3036 -	6264					

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
B-L	4466 - 2032	J - I	4487 - 2034	
L-K	6245 - 2936	I-G	4475 - 2039	
K - J	6285 - 2957			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C-L	696 - 228	E-J	366 - 404
L - D	1036 - 1760	J - F	1816 - 1035



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

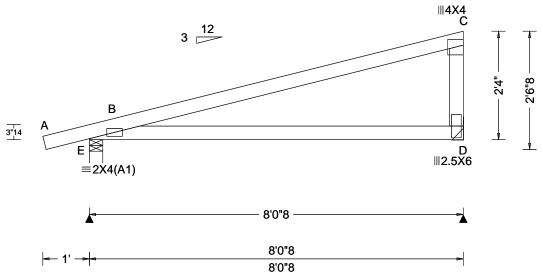
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 12967 / MONO Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T22 FROM: DrwNo: 260.21.1106.34617 Qty: 11 Jeff Coker Residence Truss Label: A04S / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.023 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.044 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.911
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.598
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.435
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 398 /213 313 /-/163 /67 Wind reactions based on MWFRS Brg Width = 3.5 Min Req = 1.5Brg Width = -Min Req = -Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

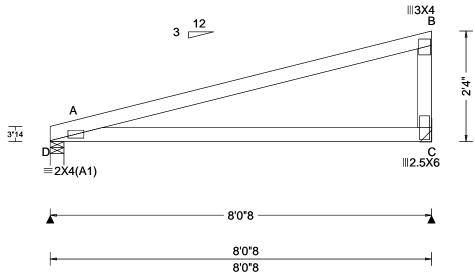


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.023 A
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.047 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.861
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.616
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.334
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL D 330 /170 318 /-/165 /47 Wind reactions based on MWFRS Brg Width = 3.5 D Min Req = 1.5Brg Width = -Min Req = -Bearing D is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

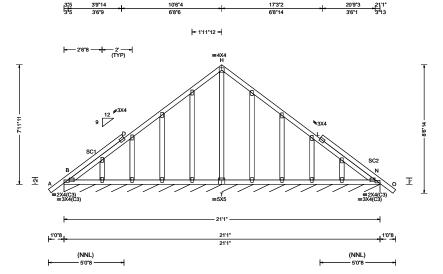
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Suite 305 Orlando FL, 32821 SEQN: 13086 / GABL Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T35 FROM: Qty: 1 DrwNo: 260.21.1106.33554 Jeff Coker Residence Truss Label: B01 / WHK 09/17/2021



Loading Criteria (psf) Wind Criteria	Snow C	riteria (Pg	,Pf in PSF)	Defl/CSI Crite	eria		
TCLL: 20.00 Wind Std: A TCDL: 10.00 Speed: 130 r BCLL: 0.00 Enclosure: Cle BCDL: 10.00 EXP: C Kzt: Des Ld: 40.00 MCBCLL: 10.00 Soffit: 2.00 BCDL: 5.0 pst Load Duration: 1.25 MWFRS Paras Spacing: 24.0 " C&C Dist a: 3 Loc. from end	ASCE 7-16 Imph Imph Imph Imph Imph Imph Imph Imph	Ct: NA Cs: NA uration: NA Code: Ed. 2020 I 2014 : Yes 0(0)/10(0)	CAT: NA Ce: NA	DefI/CSI Crite PP Deflection VERT(LL): (VERT(CL): (HORZ(LL): (HORZ(TL): (Creep Factor: Max TC CSI: Max BC CSI: Max Web CS	0.001 D 0.003 D 0.002 L 0.003 L 0.003 L 0.261 0.073	/defl 999 999 - -	L/# 240 180 - -
Wind Duration	n: 1.60 WAVE			VIEW Ver: 21	.01.01A.0)521.2	20

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL N* 91 /-/-/49 Wind reactions based on MWFRS N Brg Width = 252 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

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

Truss designed to support 8" maximum gable end overhang.



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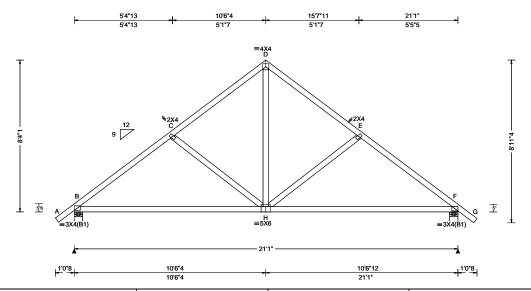
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SEQN: 12975 / SPEC Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T43 FROM: DrwNo: 260.21.1106.35929 Qty: 8 Jeff Coker Residence Truss Label: B02 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	14
Coading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.51 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.025 H 999 240 VERT(CL): 0.052 H 999 180 HORZ(LL): 0.012 F HORZ(TL): 0.026 F Creep Factor: 2.0 Max TC CSI: 0.310 Max BC CSI: 0.991 Max Web CSI: 0.327 VIEW Ver: 21.01.01A.0521.20	1
1				•

▲ Maximum Reactions (lbs)						
	Gravity			Non-Gravity		
Loc F	₹+	/ R-	/Rh	/ Rw	/ U	/ RL
B 96	63	/-	/-	/588	/282	/282
F 96	63	/-	/-	/589	/282	/-
Wind	react	ions bas	sed on	MWFRS		
в в	rg W	idth = 5.	.5	Min Re	q = 1.5	;
F B	rg W	idth = 5.	.5	Min Re	q = 1.5	;
Bearir	ngs B	& Fare	a rigid	l surface.	-	
Memb	ers r	not listed	l have f	forces less	than 3	375#
Maxin	num	Top Ch	ord Fo	rces Per	Ply (lb:	s)
Chord	ls T	ens.Con	ıp.	Chords	Tens.	Comp.
B-C		474 - 11	141	D-E	437	- 866
C-D				E-F	475	- 1142

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.

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

838 - 203 842 - 212

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

D-H 629 - 267



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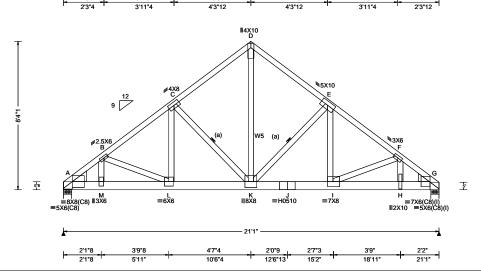
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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 26252 / SPEC Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T20 FROM: Qty: 1 DrwNo: 260.21.1106.33211 Jeff Coker Residence Truss Label: B03 / WHK 09/17/2021

14'10'

18'9"4

10'6"4



				_
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	1
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.130 K 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.257 K 971 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.049 C	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 23.90 ft		HORZ(TL): 0.096 C	
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.465	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.653	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.990	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20	
				_

Lumber

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

Lt Wedge: 2x8 SP #2;Rt Wedge: 2x6 SP 2400f-2.0E;

(a) Continuous lateral restraint equally spaced on member

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 65 plf at 0.00 to 65 plf at 0.00 to 10 plf at TC: From BC: From 10 plf at 0.00 to 10 plf at 2 BC: 977 lb Conc. Load at 2.06, 4.06, 8.06,10.06 12.06,14.06,16.06,18.06,20.06 BC: 307 lb Conc. Load at 6.06

Plating Notes

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

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

	▲ Maximum Reactions (lbs)						
		Gravity		Non-Gravity			
)	Loc R	⊦ /R-	/ Rh	/ Rw	/ U	/ RL	
)	A 494	9 /-	/-	/-	/667	/-	
	G 572	27 /-	/-	/-	/796	/-	
	Wind re	actions b	ased on	MWFRS			
	A Bro	Width =	5.5	Min Re	q = 4.1		
	G Brg	Width =	5.5	Min Re	$\dot{q} = 4.7$	•	
	Bearing	s A & G a	are a rigi	d surface.	•		
	Membe	rs not liste	ed have	forces less	s than 3	375#	
	Maximu	ım Top C	hord Fo	orces Per	Ply (lb	s)	
	Chords	Tens.Co	mp.	Chords	Tens.	Ćomp.	
-	A - B	056 -	7238	D-E	668	- 4730	
	B-C		6272		958	- 6795	
	C-D	669 -	-	F-G	1100	- 7903	
	0-0	003 -	7/30	1 - 0	1100	- 1303	

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

0		· • · · · · · · ·	00.00		- J
A - M	5692	- 747	J - I	5276	- 727
M - L	5662	- 745	I - H	6217	- 863
L-K	4891	- 628	H-G	6250	- 865
K-J	5276	- 727			

Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	webs	rens. Comp.
M - B	847 - 54	K-E	332 - 2257
B - L	125 - 755	E-I	2598 - 266
L-C	1875 - 81	I-F	137 - 905
C - K	188 - 1698	F-H	957 - 62
D-K	5272 - 594		



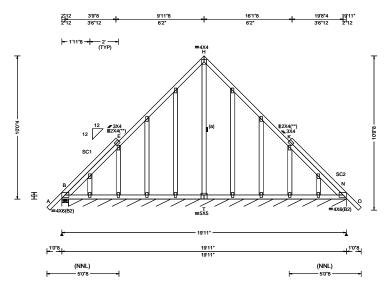
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SEQN: 13000 / GABL Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T59 FROM: DrwNo: 260.21.1106.32273 Qty: 1 Jeff Coker Residence Truss Label: C01 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 K
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 24.25 ft		HORZ(TL): 0.006 K
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.280
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.094
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.177
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rw /U /RL В 267 /162 /186 /-/49 N* 84 Wind reactions based on MWFRS Brg Width = 5.5 Min Rea = 1.5Brg Width = 233 Min Reg = -Bearings B & B are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

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

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

Wind loading based on both gable and hip roof types.

Truss designed to support 8" maximum gable end overhang.

Additional Notes

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

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



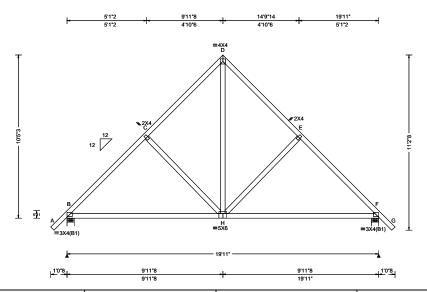
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1
TCLL: 20.00	Wind Std: ASCE 7-16	J	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.021 H 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.041 H 999 180	E
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 C	F
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 24.45 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.020 C Creep Factor: 2.0 Max TC CSI: 0.321 Max BC CSI: 0.881 Max Web CSI: 0.637	F
	GCpi: 0.18 Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20] E
I complete				•

▲ Maximum Reactions (lbs)							
	Gravity			N	Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	1048	/-	/-	/578	/263	/390	
F	1048	/-	/-	/578	/263	/-	
Win	d read	ctions ba	sed on	MWFRS			
В	Brg V	Vidth = 5	5.5	Min Re	eq = 1.5	;	
F	Brg V	Vidth = 5	5.5	Min Re	eq = 1.5	;	
Bea	rings	B&Far	e a rigi	d surface.			
Mer	nbers	not liste	d have	forces les	s than 3	375#	
Max	Maximum Top Chord Forces Per Ply (lbs)						
Cho	rds 7	Tens.Cor	mp.	Chords	Tens.	Comp.	
В-	c	317 - 1	082	D-E	371	- 850	
C -	Ď	-	850	E-F	317	- 1082	

Lumber

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

Loading

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

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

693 - 201 693 -53

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

D-H 702 - 328



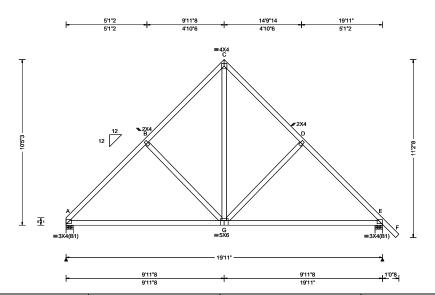
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SEQN: 13004 / COMN Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T11 FROM: DrwNo: 260.21.1106.32976 Qty: 1 Jeff Coker Residence Truss Label: C03 / WHK 09/17/2021



Loading Criteria (p	sf) 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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.45 ft TCDL: 5.0 psf BCDL: 5.0 psf	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.018 G 999 240 VERT(CL): 0.039 G 999 180 HORZ(LL): 0.009 B HORZ(TL): 0.020 B Creep Factor: 2.0 Max TC CSI: 0.303 Max BC CSI: 0.885 Max Web CSI: 0.509 VIEW Ver: 21.01.01A.0521.20	
Lumber				

▲ Maximum Reactions (Ibs)							
	Gravity			Non-Gravity			
)	Loc R+	- /R-	/ Rh	/ Rw	/ U	/ RL	
)	A 877	· /-	/-	/508	/50	/368	
	E 951	/-	/-	/577	/61	/-	
	Wind re	actions b	ased on	MWFRS			
	A Brg	Width =	5.5	Min Re	q = 1.5	5	
	E Brg	Width =	5.5	Min Re	q = 1.5	5	
	Bearing	s A & E a	re a rigi	d surface.	-		
	Member	rs not liste	ed have	forces less	s than :	375#	
	Maximu	ım Top C	hord F	orces Per	Ply (lb	s)	
	Chords	Tens.Co	omp.	Chords	Tens.	Comp.	
_	A - B	271	- 996	C-D	321	- 764	
	B-C		- 765	D-E	268	- 995	

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.

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

631 - 203 G - E 627 - 21

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

616 - 262 C-G

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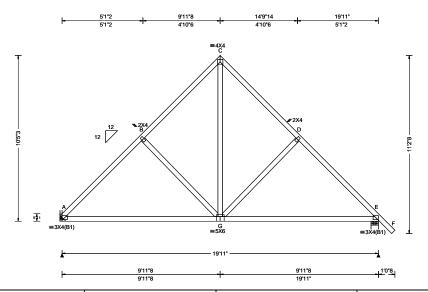
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 13006 / COMN Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T12 FROM: DrwNo: 260.21.1106.32101 Qty: 9 Jeff Coker Residence Truss Label: C04 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	•
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.45 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria	A E B M C A
	•			JВ

▲ M	▲ Maximum Reactions (lbs)					
	Gravity			Non-Gravity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
Α	977	/-	/-	/508	/102	/368
Е	1050	/-	/-	/577	/119	/-
Win	d read	tions ba	sed on	MWFRS		
Α	Brg V	/idth = -		Min Re	eq = -	
Ε	E Brg Width = 5.5			Min Req = 1.5		
Bea	ring E	is a rigio	l surfa	ce.		
Men	nbers	not listed	have	forces les	s than 3	375#
Max	imum	Top Ch	ord F	orces Per	Ply (lb	s)
Cho	rds T	ens.Con	np.	Chords	Tens.	Comp.
A - E	3	271 - 10	086	C-D	321	- 854
B-0	2		355	Ď-E	268	- 1085

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - G 700 - 203 G - E 695 - 21

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

C-G 708 - 262



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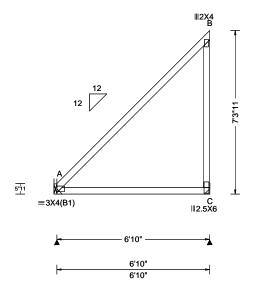
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SEQN: 13008 / MONO Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T17 FROM: DrwNo: 260.21.1106.35023 Qty: 1 Jeff Coker Residence Truss Label: C04S / WHK 09/17/2021



ı						
	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs	<u>)</u>
	TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
	TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh	/Rw /U /RL
	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	A 307 /- /-	/168 /- /194
- 1		Risk Category: II	Snow Duration: NA	HORZ(LL): 0.012 B	C 296 /- /-	/296 /117 /-
	Dec I d: 40.00	EXP: C Kzt: NA Mean Height: 23.41 ft	Building Code:	HORZ(TL): 0.026 B Creep Factor: 2.0	Wind reactions based on MV A Brg Width = -	VFRS Min Req = -
	Soffit: 2.00	BCDL: 5.0 psr	FBC 7th Ed. 2020 Res. TPI Std: 2014	Max TC CSI: 0.507 Max BC CSI: 0.533	C Brg Width = - I Members not listed have force	Min Req = - ces less than 375#
- 1		MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.533	Maximum Web Forces Per	Ply (lbs)
	Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	INIAX VVCD OOI. 0.130	Webs Tens.Comp.	
		GCpi: 0.18	Plate Type(s):		B - C 411 - 215	
		Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20		

Lumber

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

Hangers / Ties

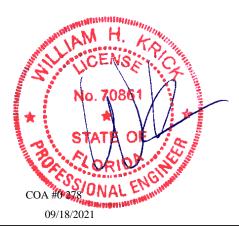
(J) Hanger Support Required, by others

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

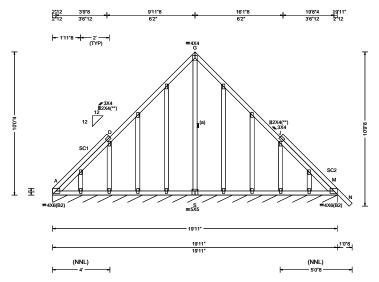


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00 BCLL: 0.00	Speed: 130 mph Enclosure: Closed Risk Category: II	Pf: NA Ce: NA Lu: NA Cs: NA	VERT(LL): 0.001 D 999 240 VERT(CL): 0.002 D 999 180
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 24.25 ft	Snow Duration: NA Building Code:	HORZ(LL): 0.001 J HORZ(TL): 0.002 J Creep Factor: 2.0
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h	FBC 7th Ed. 2020 Res. TPI Std: 2014	Max TC CSI: 0.306 Max BC CSI: 0.099
Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft	Rep Fac: Yes FT/RT:20(0)/10(0)	Max Web CSI: 0.177
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 21.01.01A.0521.20
Laurahan		A dalisi amal Massa	

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL M* 92 /-/-/53 Wind reactions based on MWFRS M Brg Width = 238 Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

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

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

Wind loading based on both gable and hip roof types.

Truss designed to support 8" maximum gable end overhang.

Additional Notes

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

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



09/18/2021

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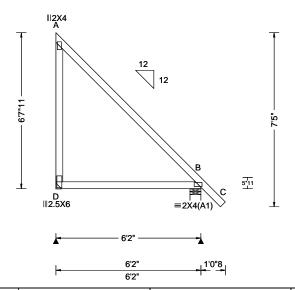
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 13084 / MONO Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T15 FROM: DrwNo: 260.21.1106.35367 Qty: 1 Jeff Coker Residence Truss Label: C05S / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	A
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.56 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 B 999 240 VERT(CL): 0.009 B 999 180 HORZ(LL): -0.011 A HORZ(TL): 0.023 A Creep Factor: 2.0 Max TC CSI: 0.419 Max BC CSI: 0.421 Max Web CSI: 0.143 VIEW Ver: 21.01.01A.0521.20	
Laurelaure		•		_

▲ M	▲ Maximum Reactions (lbs)						
	(3ravity		No	on-Grav	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
D	260	/-	/-	/150	/102	/200	
В	353	/-	/-	/182	/-	/-	
Win	d rea	ctions b	ased on I	MWFRS			
D	Brg \	Nidth =	-	Min Re	q = -		
В	Brg \	Nidth =	5.5	Min Re	q = 1.5	;	
Bea	ring E	3 is a rig	id surface	Э.			
Mer	nbers	not list	ed have fo	orces less	s than 3	375#	
Max	Maximum Bot Chord Forces Per Ply (lbs)						
Cho	rds	Tens.Co	mp.				
D - I	В	571	-8				

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Left end vertical exposed to wind pressure. Deflection

Wind loading based on both gable and hip roof types.

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. 387 - 189



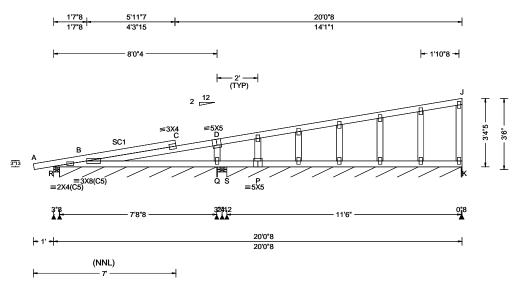
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 13088 / GABL Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T1 FROM: Qty: 1 DrwNo: 260.21.1106.32164 Jeff Coker Residence Truss Label: D01 / WHK 09/17/2021



				Т
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
1.0220.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.046 C 999 240	
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.091 C 545 180	
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 C	
Dec d 10 00	EXP: C Kzt: NA		HORZ(TL): 0.012 C	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.518	
l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.210	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.159	
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
Wind Duration: 1.60		WAVE	VIEW Ver: 21.01.01A.0521.20	

	▲ Maximum Reactions (lbs), or *=PLF						
		G	Gravity		No	on-Grav	vity
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	R	295	/-	/-	/149	/106	/44
ı	R*	27	/-	/-	/16	/-	/-
	Q	417	/-	/0	/190	/4	/0
	S*	63	/-	/-	/30	/-	/-
	K	92	/-	/-	/46	/-	/-
	Wir	nd read	ctions b	ased on I	MWFRS		
	R	Brg V	Vidth =	3.5	Min Re	q = 1.5	j
	R	Brg V	Vidth =	92.5	Min Re	q = -	
	Q	Brg V	Vidth =	5.5	Min Re	q = 1.5	j
4	S	Brg V	Vidth =	138	Min Re	q = -	
	K	Brg V	Vidth =	0.5	Min Re	q = 1.5	;
_	Bearings R, R, Q, S, & K are a rigid surface.						e.

Members not listed have forces less than 375#

Lumber

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

Stack Chord: SC1 2x4 SP #2;

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.

Right end vertical exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.

Additional Notes

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

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

++ Anchorage req'd to prevent truss from slipping off bearing.



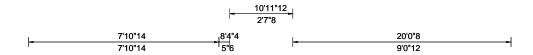
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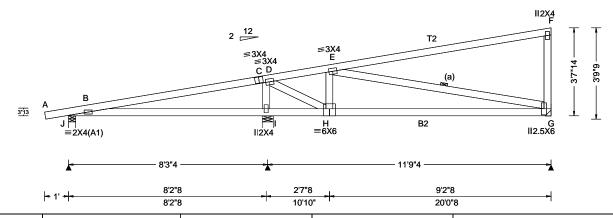
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SEQN: 13016 / MONO Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T32 FROM: DrwNo: 260.21.1106.32133 Qty: 18 Jeff Coker Residence Truss Label: D02S / WHK 09/17/2021





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	14
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	PP Deflection in loc L/defl L/# VERT(LL): 0.074 B 999 240	1
Lumber	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 21.01.01A.0521.20	<u> </u>

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw / U 350 /172 /127 934 /-/482 /181 /-G 425 /215 /88 Wind reactions based on MWFRS Brg Width = 3.5 Min Req = 1.5 Brg Width = 5.5 Min Req = 1.5 Brg Width = -Min Rea = -Bearings J & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

D-E 92 - 540

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. H - G 586 - 208

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
I-D D-H	255 - 743 864 - 189	E-G	202 - 563	



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Suite 305 Orlando FL, 32821

6750 Forum Drive

FROM: DrwNo: 260.21.1106.34461 Jeff Coker Residence Qty: 1 Truss Label: E01 / WHK 09/17/2021 11'8"13 18'7"7 25'6" 30'6" 6'8"13 6'10"9 6'10"9 5' ≥6X<u>1</u>2 ≶5X5 C ≡4X5 D =5X6 F T2 ТЗ 4'1"10 (a) 4'8"13 K ≡4X5 H ≡5X6 ≡H0510 =4X8 =4X8(B3) 30'6" 5'1"8 6'5"5 7'0"13 6'6"9 5'1"12 5'3"8 11'8"13 18'9"11 25'4"4 30'6'

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.221 J 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.448 J 809 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.069 G
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.140 G
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.797
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.677
Spacing: 24.0 "	C&C Dist a: 3.05 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.936
' -	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20
Lumban		Additional Natas	

Job Number: 21-6094-R

SEQN: 396849 /

MONO

Ply: 1

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

Lt Wedge: 2x6 SP 2400f-2.0E;

(a) Continuous lateral restraint equally spaced on member

Special Loads

(l	umber I	Dur.Fac.=	1.25 / Plate D	Dur.Fac.=1.2	25)
TC:	From	65 plf at	-1.00 to	65 plf at	5.00
TC: I	From	33 plf at	5.00 to	33 plf at	28.10
TC: I	From	65 plf at	28.10 to	65 plf at	30.50
	From	5 plf at	-1.00 to	5 plf at	0.00
BC:	From	20 plf at	0.00 to	20 plf at	5.03
	From		5.03 to	10 plf at	30.50
		Conc. Loa			
TC:	140 lb (Conc. Loa	d at 7.06, 9.	06,11.06,13	3.06
15.06	,17.06				
			d at 18.10,20	0.10,22.10,2	24.10
TC:	51 lb (Conc. Loa	d at 26.10		
BC:	187 lb (Conc. Loa	d at 5.03		
BC:	94 lb (Conc. Loa	d at 7.06, 9.	.06,11.06,13	3.06

180 lb Conc. Load at 26.10 200 lb Conc. Load at 28.10,29.98 BC:

Wind

15.06,17.06

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

95 lb Conc. Load at 18.10,20.10,22.10,24.10

Additional Notes

The overall height of this truss excluding overhang is 4-1-10.

▲ Ma	▲ Maximum Reactions (lbs)						
	G	ravity		No	on-Grav	/ity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	2570	/-	/-	/-	/614	/-	
G :	2628	/-	/-	/-	/606	/-	
Win	d read	tions ba	sed on	MWFRS			
В	Brg V	Vidth = 3	.5	Min Re	q = 2.1		
G	Brg V	Vidth = 5	.5	Min Reg = 2.2			
Bea	rings I	B & G ar	e a rigi	d surface.	•		
Men	nbers	not listed	d have	forces less	s than 3	375#	
Max	imun	Top Ch	ord F	orces Per	Ply (lb:	s)	
Cho	rds 1	ens.Cor	np.	Chords	Tens.	Comp.	
B - 0	`	033 3.	796	E-F	1171	- 4954	
C - I	-	736 - 3		F-G			
-	_			r - G	017	- 3579	
D - E	Ξ	1253 - 49	998				

Cust: R 215 JRef: 1X8W2150011 T2

Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.Comp.	Chords	Tens. Comp.			
B - K	2942 - 720	I-H	2817	- 637		
K - J	4966 - 1260	H-G	2801	- 636		
1 1	5012 1201					

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C - K 395 - 793 1471 - 194 E - I K - D 611 - 2227 1 - F 2456 -614 H-F D-J 422 0 425 - 17



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FROM: Qty: 1 DrwNo: 260.21.1106.35445 Jeff Coker Residence Truss Label: E02 / WHK 09/17/2021 15'1"4 23'6' 30'6" 17'11"7 8'1"4 2'10"3 5'6"9 ≡3X4 D ≡3X4 E ≅6X6 57"10 6'2"13 4"10 _____K ≡3X4 H ≡5X5 ≡3X4 =3X4 =2.5X6(B1) ≡2.5X6(A1) 30'6' 7'3"8 5'1"5 2'11"15 7'11"8 7'1"12 7'3"8 12'4"13 15'4"12 23'4"4 30'6' ▲ Maximum Reactions (lbs)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.082 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.173 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.034 G
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.072 G
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.822
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.736
Spacing: 24.0 "	C&C Dist a: 3.05 ft	Rep Fac: Yes	Max Web CSI: 0.664
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber			

Job Number: 21-6094-R

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1361 /-/794 /232 /179 1295 /-/735 /214 /-Wind reactions based on MWFRS Brg Width = 3.5Min Req = 1.6 В Brg Width = 5.5 Min Req = 1.5Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Cust: R 215 JRef: 1X8W2150011 T53

Chords Tens.Comp. Chords Tens. Comp. 747 - 1796 974 - 1891 C - D 683 - 1365 755 - 1804 D-E 973 - 1890

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

B - K 1336 - 500 I - H 1350 - 493 K-J 1901 - 809 H - G 1346 - 495 J - I 1901 - 809

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C - K 1 - F 583 - 142 647 - 374 K - D 398 - 650

SEQN: 13026 /

SPEC

Ply: 1

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



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FROM: DrwNo: 260.21.1106.35054 Qty: 1 Jeff Coker Residence Truss Label: E03 / WHK 09/17/2021 15'1"4 21'6" 30'6" 6'1"4 6'4"12 9' ≅6X6 E 6X6 C =3X4 D T2 =5X6 G ∥2X4 =3X4 =3X4(A1) 2.5X6(A1) 30'6" 9'3"8 5'11"8 6'1"4 9'1"12 9'3"8 15'3" 21'4"4 30'6"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	A
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.05 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.043 D 999 240 VERT(CL): 0.091 D 999 180 HORZ(LL): 0.027 F HORZ(TL): 0.057 F Creep Factor: 2.0 Max TC CSI: 0.698 Max BC CSI: 0.802 Max Web CSI: 0.311 VIEW Ver: 21.01.01A.0521.20	
Lumber				_

Job Number: 21-6094-R

	▲ M	aximu	ım Rea	ctions	(lbs)			
		G	ravity		. N	on-Gra	vity	
o	Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL	
0	В	1361	/-	/-	/812	/55	/223	
	F	1295	/-	/-	/752	/47	/-	
	Wind reactions based on MWFRS							
	В	Brg V	Vidth =	3.5	Min Re	q = 1.0	6	
	F	Brg V	Vidth =	5.5	Min Re	q = 1.5	5	
	Bearings B & F are a rigid surface.							
	Mer	nbers	not list	ed have	e forces les	s than	375#	
					orces Per		•	
	Cho	rds T	ens.Co	omp.	Chords	Tens.	Comp.	
	В-(С	644 -	1717	D-E	724	- 1429	
	C-1	Ď			E-F	649	- 1723	

Cust: R 215 JRef: 1X8W2150011 T52

SEQN: 26257 /

MONO

Ply: 1

Top chord: 2x4 SP M-31; T2 2x4 SP #2;

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	ds Tens.Comp.		Chords	Tens. 0	Comp.
B - I I - H		- 379 - 495	H - G G - F		- 370 - 372

Maximum Web Forces Per Ply (lbs)

webs	rens.C	omp.	
0.1	495	_ Q1	



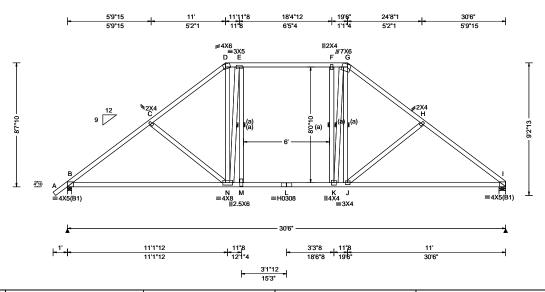
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SEQN: 26260 / MONO Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T31 FROM: DrwNo: 260.21.1106.33523 Jeff Coker Residence Qty: 1 Truss Label: E04 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	Ī
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.125 F 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.335 F 999 180	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.061 D	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.161 D	ı
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	ı
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.743	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.596	
Spacing: 24.0 "	C&C Dist a: 3.05 ft	Rep Fac: Yes	Max Web CSI: 0.535	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20	l

Lumber

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

(a) Continuous lateral restraint equally spaced on member.

Loading

Attic room loading from 12-3-0 to 18-3-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

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

Wind loading based on both gable and hip roof types.

	▲ Maxir	num Rea	ctions	(lbs)					
		Gravity		N	on-Gra	vity			
)	Loc R	- / R-	/ Rh	/ Rw	/ U	/ RL			
)	B 182	2 /-	/-	/824	/34	/267			
	I 175	6 /-	/-	/764	/25	/-			
	Wind re	actions b	ased on	MWFRS					
	B Brg	Width =	3.5	Min Re	q = 1.5	5			
	I Brg	Width =	5.5	Min Re	q = 1.5	5			
	Bearing	s B & I ar	e a rigio	l surface.					
	Members not listed have forces less than 375#								
	Maximu	ım Top C	hord F	orces Per	Ply (lk	os)			
	Chords	Tens.Co	mp.	Chords	Tens.	Comp.			
	B-C	581 -	2524	F-G	545	- 1822			
	C-D		2240		574	-			
	D-E	515 -	1726	H-I	583	- 2530			
	F-F	550 -	-		000	_500			

Chords	Tens.C	Comp.	Chords	Tens.	Comp.
B - N	1933	- 366	L-K	1827	- 252
N - M	1815	- 252	K - J	1708	- 211
M - I	1827	- 252	J - I	1940	- 370

Maximum Web Forces Per Ply (lbs)

Tens.Comp.	Webs	Tens. Comp.	
1202 - 356	F-K	327 - 446	
453 - 1345	K-G	1405 - 429	
970 - 284	G - J	625 - 228	
	1202 - 356 453 - 1345	1202 - 356 F - K 453 - 1345 K - G	1202 - 356 F - K 327 - 446 453 - 1345 K - G 1405 - 429



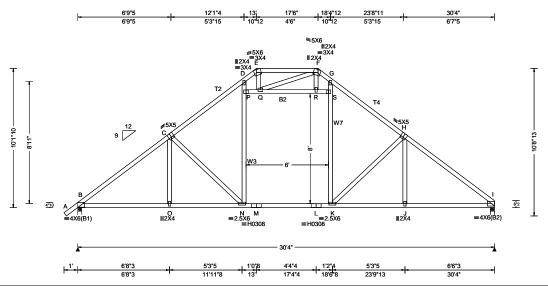
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SEQN: 396985 MONO Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T44 FROM: Qty: 1 DrwNo: 260.21.1612.42247 Jeff Coker Residence Truss Label: E05 / WHK 09/17/2021



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 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Stid: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.03 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.165 N 999 240 VERT(CL): 0.446 N 810 180 HORZ(LL): 0.100 D HORZ(TL): 0.273 D Creep Factor: 2.0 Max TC CSI: 0.638 Max BC CSI: 0.672 Max Web CSI: 0.503 VIEW Ver: 21.01.01A.0521.20	

Lumbe

Top chord: 2x4 SP #2; T2,T4 2x4 SP M-31; Bot chord: 2x4 SP M-31; B2 2x4 SP #2; Webs: 2x4 SP #3; W3,W7 2x4 SP M-31;

Loading

Attic room loading from 12-3-0 to 18-3-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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 10-1-10.

		▲ Maximum Reactions (lbs)						
L/defl	L/#		G	Gravity		N	on-Gra	vity
999	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
810	180	В	1874	/-	/-	/827	/11	/309
-	-	1	1808	/-	/-	/762	/6	/-
-	-	Win	d rea	ctions b	ased or	MWFRS		
		В	Brg V	Vidth =	3.5	Min Re	eq = 1.6	6
:		1	Brg \	Vidth =	3.5	Min Re	eq = 1.5	5
		Bea	rings	B&la	re a rigio	d surface.	-	
		Men	nbers	not list	ed have	forces les	s than :	375#
1		Max	imun	n Top (Chord F	orces Per	Ply (lb	s)
		Cho	rds ⁻	Tens.C	omp.	Chords	Tens.	Ćomp.
.0521.2	20	В-(С	445 -	2613	F-G	412	- 1362
.0021.2		^I С - I	Ď	484 -	2283	G-H	485	- 2279
		D - I	E	399 -	1294	H-I	441	- 2582

E-F

389 - 1346

Chords	Tens.Comp.		Chords	Tens. Comp.		
B - O	1994	- 252	L-K	1722	- 111	
O - N	1994	- 252	K-J	1963	- 250	
N - M	1722	- 111	J - I	1963	- 249	
M - L	1722	- 111				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	comp.	Webs	Tens. Comp.		
C-N	207	- 480	R-S	130	- 487	
N - P	937	- 82	S - G	702	- 46	
D - P	785	- 57	S - K	923	-83	
P - Q	128	- 514	K - H	203	- 447	
Q-R	134	- 464				



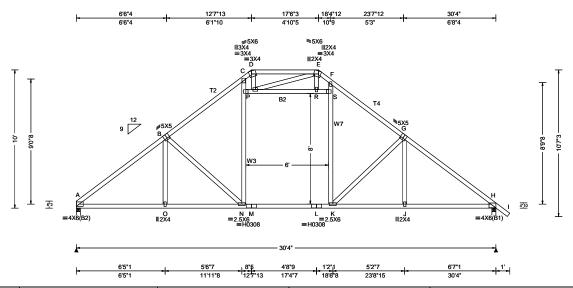
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SEQN: 396987 HIPS Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T10 FROM: DrwNo: 260.21.1612.46343 Qty: 4 Jeff Coker Residence Truss Label: E06 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.194 K 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.529 K 683 180	1
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.100 F	H
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.274 F	٧
NCBCLL: 10.00	Mean Height: 0.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	1.
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.646	F
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.596	E
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.941	N
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):] -
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20] [

Lumber

Top chord: 2x4 SP #2; T2,T4 2x4 SP M-31; Bot chord: 2x4 SP M-31; B2 2x4 SP #2; Webs: 2x4 SP #3; W3,W7 2x4 SP #2;

Attic room loading from 12-3-0 to 18-3-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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 10-0-0.

	▲ Maximum Reactions (lbs)							
		G	ravity		Non-Gravity			
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
)	A 1	802	/-	/-	/774	/-	/302	
	H 1	880	/-	/-	/831	/-	/-	
	Wind	l reac	tions b	ased or	MWFRS			
	A I	Brg W	/idth =	3.5	Min Req = 1.5			
	H I	Brg V	/idth =	3.5	Min Re	q = 1.	6	
	Bear	ings /	4 & На	re a rig	id surface.			
	Mem	bers	not liste	ed have	forces les	s than	375#	
	Maxi	mum	Top C	hord F	orces Per	Ply (It	os)	
	Chor	ds T	ens.Co	mp.	Chords	Tens.	Comp.	
=	A - B		166 -	2571	E-F	123	- 1449	
	B-C				F-G	207		
	C - D		143 -		G - H	175	-	

Maximum Bot onora i oroco i ci i iy (ibo)							
Chords	Tens.C	omp.	Chords	Tens. C	omp.		
A - O	1954	-86	L-K	1712	0		
\circ N	1054	07	V I	2007	7		

182 - 1534

Ď-Ē

-7 N - M -7 1712 J - H 2008 M - L

Maximum Web Forces Per Ply (lbs)									
Webs	Tens.Comp.		Webs	Tens. Comp.					
B-N	223	- 427	S-F	710	- 39				
N - P	931	- 90	S - K	911	- 88				
C - P	741	- 41	K-G	219	- 496				
R-S	137	- 396							



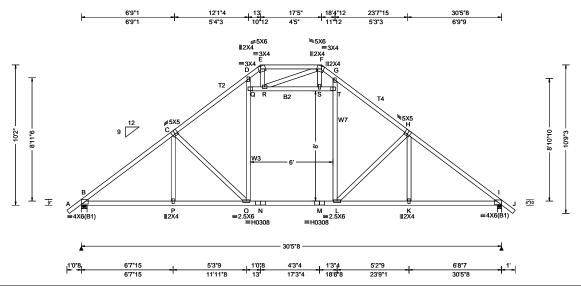
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SEQN: 396989 HIPS Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T66 FROM: Qty: 1 DrwNo: 260.21.1612.48727 Jeff Coker Residence Truss Label: E07 / WHK 09/17/2021



Loading (Criteria (psf)	Wind Criteria	Snow Criteria (Pg,	Pf in PSF)	DefI/CSI Criteria	•
TCLL:	20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	
TCDL:	10.00	Speed: 130 mph	Pf: NA	Ce: NA	VERT(LL): 0.171 L 999 24	ᆝ브
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA		VERT(CL): 0.443 L 816 18	0 в
BCDL:	10.00	Risk Category: II	Snow Duration: NA		HORZ(LL): 0.098 D -	. 1
Des Ld:	40.00	EXP: C Kzt: NA			HORZ(TL): 0.258 D -	. v
NCBCLL:	10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:		Creep Factor: 2.0	В
Soffit:	2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 F	Res.	Max TC CSI: 0.658	11
Load Dura	ation: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014		Max BC CSI: 0.741	В
Spacing: 2		C&C Dist a: 3.05 ft	Rep Fac: Yes		Max Web CSI: 0.984	I N
-		Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)			I N
		GCpi: 0.18	Plate Type(s):			
		Wind Duration: 1.60	WAVE, HS		VIEW Ver: 21.01.01A.0521.20	ВВ

Top chord: 2x4 SP #2; T2,T4 2x4 SP M-31; Bot chord: 2x4 SP M-31; B2 2x4 SP #2; Webs: 2x4 SP #3; W3 2x4 SP M-31; W7 2x4 SP #2;

Attic room loading from 12-3-0 to 18-3-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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 10-2-0.

		▲ Maxi	mum R	eactions	s (lbs)		
1	L/#		Gravit	y	· · · · · · · · · · · · · · · · · · ·	Non-Gra	vity
	240	Loc R	+ /R-	- / RI	n/Rw	/ /U	/ RI
	180	B 18	B1 /-	/-	/831	/217	/32
	-	I 18	79 /-	/-	/829	/216	/-
	-	Wind re	eactions	based o	on MWFRS	3	
		B Br	g Width	= 5.0	Min F	Req = 1.6	3
		I Br	g Width	= 3.5	Min F	Req = 1.6	3
		Bearing	gsB&I	are a rig	id surface.		
		Membe	ers not li	isted hav	e forces le	ss than	375#
		Maxim	um Tor	Chord	Forces Pe	er Ply (lb	s)
		Chords	Tens.	Comp.	Chords	Tens.	Ćom
1.:	20	B - C	-	- 2602	-	414	
		C-D	481	- 2282	G-H	482	- 22

398 - 1304

388 - 1358

D-E

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

Chords	Tens.C	omp.	Chords	Tens. Comp.		
B - P	1982	- 211	M - L	1722	- 75	
P - O	1982	- 212	L-K	1999	- 217	
O - N	1722	- 75	K-I	1999	- 217	
N - M	1722	- 75				

H - I

/217 /327

Tens. Comp 414 - 1393 482 - 2293

442 - 2620

/RL

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
C-0	206 - 458	S-T	106	- 409	
O - Q	937 -83	T - G	719	- 46	
D - Q	781 - 57	T-L	942	- 84	
Q-R	134 - 493	L-H	208	- 481	
R-S	109 - 385				



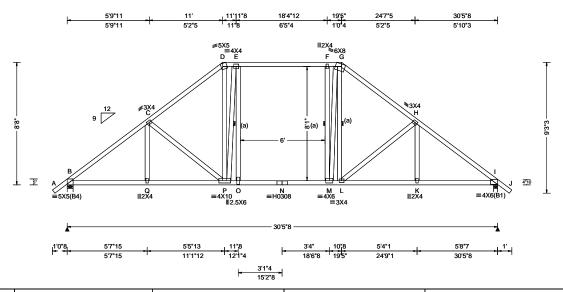
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SEQN: 396991 HIPS Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T42 FROM: Qty: 1 DrwNo: 260.21.1612.53693 Jeff Coker Residence Truss Label: E08 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.133 F 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.345 F 999 180
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.050 D
Dec I d: 40 00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.130 D
NODOLL 40 00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
0 - 40:4	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.957
	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.560
Spacing: 24.0 "	C&C Dist a: 3.05 ft	Rep Fac: Yes	Max Web CSI: 0.612
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Loading

Attic room loading from 12-3-0 to 18-3-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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 8-8-0.

	▲ Ma	ximu	ım Rea	ections	(lbs)		
	Gravity				N	on-Grav	vity
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	В 1	908	/-	/-	/826	/222	/283
	1 1	914	/-	/-	/824	/221	/-
	Wind	l read	tions b	ased or	MWFRS		
	В	Brg W	/idth =	5.0	Min Re	eq = 1.6	i
	1 6	Brg V	/idth =	3.5	Min Re	eq = 1.6	i
	Beari	ings I	3 & Iai	e a rigio	d surface.	•	
	Mem	bers	not list	ed have	forces les	s than 3	375#
	Maxi	mum	Top (Chord F	orces Per	Ply (lb	s)
	Chor	ds T	ens.Co	omp.	Chords	Tens.	Ćomp.
	B-C		541 -	2666	F-G	540	- 1940
	ō - ق				G-H	582	
	D-E			1822	-	545	
	E-F		545 -	1947			-

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
B - Q	2037	- 306	N - M	1947	- 216
Q-P	2036	- 307	M - L	1816	- 191
P - O	1934	- 217	L-K	2068	- 315
O - N	1947	- 216	K-I	2068	- 314

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
D-P	1336 - 369	F-M	341	- 582	
P - E	369 - 1570	M - G	1608	- 348	
E - O	992 - 161	G-L	399	- 266	



09/18/2021

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FROM: DrwNo: 260.21.1106.36289 Qty: 1 Jeff Coker Residence Truss Label: E09 / WHK 09/17/2021 15'0"12 30'5"8 6'0"12 6'4"4 9'0"8 ≅6X6 E **∌**6X6 C =3X4 D T2 5" =3X4 H ∥2X4 =5X6 3X4(B1) $\equiv 3X4(A1)$ 30'5"8 9'3"8 5'11" 6'0"12 9'2"4 9'3"8 15'2"8 21'3"4 30'5"8

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	١,				
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.				
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.043 D 999 240	[
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.090 D 999 180	ı				
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.027 F	ı				
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.056 F	١				
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	ŀ				
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.691	Ľ				
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.791	Ľ				
Spacing: 24.0 "	C&C Dist a: 3.05 ft	Rep Fac: Yes	Max Web CSI: 0.319	H				
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		ľ				
	GCpi: 0.18	Plate Type(s):		1				
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	Ľ				
Lumber								

Job Number: 21-6094-R

▲ Maxi	mum Re	actions	(lbs)					
	Gravity		N	on-Grav	/ity			
Loc R-	+ /R-	/ Rh	/ Rw	/ U	/ RL			
B 136	S1 /-	/-	/814	/227	/239			
F 135	58 /-	/-	/812	/226	/-			
Wind re	actions I	oased or	MWFRS					
B Bro	Width =	5.0	Min Re	q = 1.6	;			
F Bro	Width =	3.5	Min Re	q = 1.6	;			
Bearing	sB&F	are a rig	id surface.					
Membe	rs not lis	ted have	forces les	s than 3	375#			
Maximum Top Chord Forces Per Ply (lbs)								
Chords	Tens.C	omp.	Chords	Tens.	Comp.			
B-C	639	- 1706	D-E	717	- 1415			
C-D	610 -	- 1248	E-F	642	- 1713			

Cust: R 215 JRef: 1X8W2150011 T67

SEQN: 26263 /

HIPS

Ply: 1

Top chord: 2x4 SP M-31; T2 2x4 SP #2;

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
B - J J - I		- 332 - 449	I - H H - F		- 335 - 336

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Co	omp.	
C - J	493	- 89	



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FROM: DrwNo: 260.21.1106.33899 Qty: 1 Jeff Coker Residence Truss Label: E10 / WHK 09/17/2021 12'4"8 17'10"12 23'5" 30'5"8 5'4"8 5'6"4 5'6"4 7'0"8 ≢4X5 C =3X4 D ≡5X6 =4X8 538 6'3"3 5" 4"10 K ≡5X10 ≡3X4 ≡5X5 ≡3X4 ≡ž.5X6(A1) =2.5X6(A1 30'5"8 1'0"8 5'2"12 7'3"8 5'1' 5'8" 7'2"4 7'3"8 12'4"8 18'0"8 23'3"4 30'5"8

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	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): 0.075 K 999 240	Loc R+ /R- /Rh /
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.157 K 999 180	B 1361 /- /- /7
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.034 G	G 1358 /- /- /7
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.071 G	Wind reactions based on MWF
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B Brg Width = 3.5 Mi
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.570	G Brg Width = 3.5 Mi
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.565	Bearings B & G are a rigid surf
Spacing: 24.0 "	C&C Dist a: 3.05 ft	Rep Fac: Yes	Max Web CSI: 0.664	Members not listed have forces
opasg	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces
	GCpi: 0.18	Plate Type(s):		Chords Tens.Comp. Chor
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	B-C 736 - 1768 E-F C-D 671 - 1337 F-G
Lumban				0-0 011-1001 1-0

Job Number: 21-6094-R

Lumber

SEQN: 13032 /

HIPS

Ply: 1

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.

		G	ravity	•	Non-Gravity			
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
)	В	1361	/-	/-	/796	/232	/195	
	G	1358	/-	/-	/794	/231	/-	
	Win	d read	tions ba	sed on I	MWFRS			
	В	Brg V	Vidth = 3	3.5	Min Req = 1.6			
	G	Brg V	Vidth = 3	3.5	Min Re	q = 1.6	i	
	Bearings B & G are a rigid surface.							
	Members not listed have forces less than 375#							
	Maximum Top Chord Forces Per Ply (lbs)							
	Cho	rds 1	Tens.Cor	np.	Chords	Tens.	Comp.	
	_							

Cust: R 215 JRef: 1X8W2150011 T68

B-C C-D 736 - 1768 904 - 1755 671 - 1337 740 - 1777 909 - 1763

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords B-L 1305 - 446 J - I 1319 - 449 I - G 1757 - 692 1315 - 451 L-K K-J 1772 - 692

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C-L 594 - 204 614 - 367 L-D 378 - 612



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Ply: 1 FROM: Qty: 1 DrwNo: 260.21.1106.34429 Jeff Coker Residence Truss Label: E11 / WHK 09/17/2021 11'8"8 18'6"12 25'5" 30'5"8 6'8"8 6'10"4 6'10"4 5'0"8 ≅5X5 ≢5X5 =6X8 ≡4X6 D ТЗ 12'4 5" 4"10 =5X6 K ≡H0510 J ∥2X4 =6X8 ≚5X6(B3) 30'5"8 6'5" 5'3"8 6'10"4 6'8"8 5'0"4 1'0"8 5'3"8 11'8"8 18'6"12 25'3"4 30'3"8 2" 30'5"8

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.244 J 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.473 J 764 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.090 G
Des Ld: 40.00 NCBCLL: 10.00	EXP: C Kzt: NA Mean Height: 15.00 ft	Building Code:	HORZ(TL): 0.174 G Creep Factor: 2.0
Soffit: 2.00 Load Duration: 1.25	TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	FBC 7th Ed. 2020 Res. TPI Std: 2014	Max TC CSI: 0.792 Max BC CSI: 0.737
Spacing: 24.0 "	C&C Dist a: 3.05 ft	Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)	Max Web CSI: 0.805
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20

Job Number: 21-6094-R

Top chord: 2x4 SP #2; T2,T3 2x4 SP M-31;

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

Rt Wedge: 2x6 SP 2400f-2.0E;

(a) Continuous lateral restraint equally spaced on member

Special Loads

SEQN: 396847 /

HIPS

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)								
TC: From	65 plf at	-1.04 to	65 plf at	5.00				
TC: From	32 plf at	5.00 to	32 plf at	25.42				
TC: From	65 plf at	25.42 to	65 plf at	31.46				
BC: From	5 plf at	-1.04 to	5 plf at	0.00				
BC: From	20 plf at	0.00 to	20 plf at	5.03				
BC: From	10 plf at	5.03 to	10 plf at	25.27				
BC: From			20 plf at	30.46				
BC: From	5 plf at	30.46 to	5 plf at	31.46				
TC: 4 lb	Conc. Load	at 5.03,25	.39					
TC: 140 lb	Conc. Load	at 7.06, 9.	06,11.06,13	3.06				
15.06,15.35,1	15.06,15.35,17.35,19.35,21.35,23.35							
BC: 548 lb Conc. Load at 5.03,25.39								
BC: 94 lb Conc. Load at 7.06, 9.06,11.06,13.06								
15.06,15.35,1	17.35,19.35,	21.35,23.35	i					

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 4-2-0.

Maximum Bot Chord Forces Per Ply (lbs)

▲ Maximum Reactions (lbs) Gravity

/Rh

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

Chords

/-

Wind reactions based on MWFRS Brg Width = 3.5

Bearings B & G are a rigid surface.

1011 - 3857

818 - 3134

1439 - 5217

Brg Width = 3.5

Chords Tens.Comp.

Loc R+

2652 /-

2646

В

В

C-D

D-E

Chords	Tens.Comp.	Chords	Tens. Co	mp.
B-L	2990 - 780	J - I	5226 -	1449
L-K	5183 - 1444	I-G	3017	- 789
K - J	5226 - 1449			

Cust: R 215 JRef: 1X8W2150011 T9

Non-Gravity

/678

/RL

/-/676

Tens. Comp.

827 - 3160

1018 - 3881

/Rw /U

Min Reg = 2.2

Min Req = 2.2

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	omp.	Webs	Tens.	Comp.
C-L	1901	- 506	E - J	430	0
L-D	731 -	2395	E - I	723	- 2399
D-K	445	0	I-F	1891	- 501



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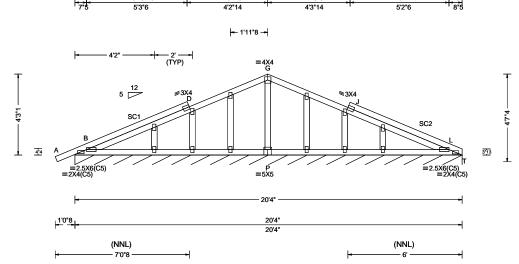


SEQN: 13040 / GABL Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T34 FROM: DrwNo: 260.21.1106.32820 Qty: 1 Jeff Coker Residence Truss Label: G01 / WHK 09/17/2021

14'5"6

19'7"11

10'1"8



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria

5'10"10

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL T* 57 /-/-/29 Wind reactions based on MWFRS Brg Width = 244 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

In lieu of structural panels use purlins to brace 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

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

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

Truss designed to support 8" maximum gable end overhang.



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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: 13044 / COMN Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T36 FROM: DrwNo: 260.21.1106.32679 Qty: 1 Jeff Coker Residence Truss Label: G02 / WHK 09/17/2021 5'7"4 10'1"8 14'7"12 20'4" 5'7"4 4'6"4 4'6"4 5'8"4 =4X4 5 12 **∌**3X4 C ≅3X4 _ E G ∥2X4 ∥2X4 2.5 12 ≥3X4(A1) ≡3X4(A1)

20'4"

4'8"

14'9"8

4'8"

10'1"8

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	Ī
Loading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.131 H 999 240 VERT(CL): 0.265 H 907 180 HORZ(LL): 0.081 F HORZ(TL): 0.164 F Creep Factor: 2.0 Max TC CSI: 0.248 Max BC CSI: 0.537 Max Web CSI: 0.320	1
	Loc. from endwall: Any GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	1

5'

5"8 5"8

5'5"8

	▲ Maxir	num Rea	ctions	(lbs)		
		Gravity		No	on-Grav	vity
)	Loc R	- / R-	/ Rh	/ Rw	/ U	/ RL
)	B 602	! /-	/-	/338	/112	/72
		. /-	/-	/302		/-
	Wind re	actions b	ased on	MWFRS		
	B Brg	Width =	5.5	Min Re	q = 1.5	5
	F Brg	Width =	-	Min Re	q = -	
	Bearing	B is a rig	jid surfa	ce.		
	Membe	rs not list	ed have	forces less	s than 3	375#
	Maximu	ım Top C	hord F	orces Per	Ply (lb	s)
	Chords	Tens.Co	mp.	Chords	Tens.	Comp.
	в-с	787 -	1810	D-E	622	- 1402
_	C-Ď		1401		797	- 1856

6"8 204"

5'

19'9"8

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.		
B - I	1665 - 705	H-G	1718 - 705		
I-H	1673 - 712	G-F	1713 - 699		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
H-F	266 - 409	D-H	841 - 30	5	



09/18/2021

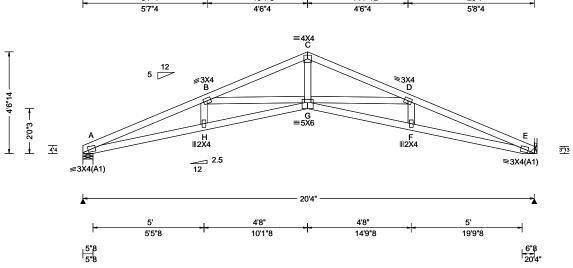
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SEQN: 13046 / COMN Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T27 FROM: DrwNo: 260.21.1106.32945 Qty: 5 Jeff Coker Residence Truss Label: G03 / WHK 09/17/2021 5'7"4 10'1"8 14'7"12 20'4"



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (II	os)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.130 G 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.266 G 905 180	A 557 /- /-	/303 /99 /63
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.080 E	E 556 /- /-	/302 /100 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.164 E	Wind reactions based on N	/WFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	A Brg Width = 5.5	Min Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.228	E Brg Width = -	Min Req = -
Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.515	Bearing A is a rigid surface	
	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.323	Members not listed have for	
opacing. 10.0		FT/RT:20(0)/10(0)		Maximum Top Chord For	• · · ·
	Loc. from endwall: Any			Chords Tens.Comp. (Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20		C - D 626 - 1408 D - E 802 - 1862
				^J B - C 615 - 1407 [D-E 802 -1862

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
A - H	1686 - 721		1724 - 710	
H - G	1693 - 727	F-E	1719 - 705	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B-G	250 - 379 266 - 409	C-G	847 - 309



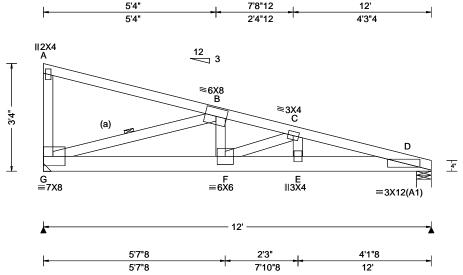
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SEQN: 13048 / MONO Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T39 FROM: DrwNo: 260.21.1106.33336 Qty: 1 Jeff Coker Residence Truss Label: H01S / WHK 09/17/2021



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 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.134 C 999 240 VERT(CL): 0.261 C 544 180 HORZ(LL): 0.049 A HORZ(TL): 0.096 A Creep Factor: 2.0 Max TC CSI: 0.734 Max BC CSI: 0.650 Max Web CSI: 0.940 VIEW Ver: 21.01.01A.0521.20	Ē

	▲ Maxi	mum Rea	actions	(lbs)	<u> </u>	
		Gravity		No	on-Grav	/ity
)	Loc R-	+ /R-	/ Rh	/ Rw	/ U	/ RL
)	G 235	6 /-	/-	/-	/466	/-
	D 182	25 /-	/-	/-	/372	/-
	Wind re	actions b	ased on	MWFRS		
	G Bro	y Width =	-	Min Re	q = -	
	D Bro	y Width =	5.5	Min Re	q = 1.5	;
	Bearing	D is a riç	gid surfa	ce.		
	Membe	rs not list	ed have	forces less	s than 3	375#
Maximum Top Chord Forces Per Ply (lbs)					•	
	Chords	Tens.Co	omp.	Chords	Tens.	Comp.
	B - C	870 -	4365	C - D	1056	- 5248

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 61 plf at 12.00 10 plf at 12.00 TC: From 61 plf at 0.00 to 0.00 to BC: From 10 plf at 556 lb Conc. Load at 0.10, 1.94, 3.94, 5.94

BC: 554 lb Conc. Load at 9.94

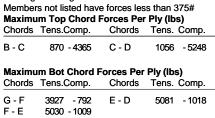
Hangers / Ties

(J) Hanger Support Required, by others

Wind loads and reactions based on MWFRS.

Left end vertical exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.



Maximum Web Forces Per Ply (lbs)						
Webs	Tens.Comp.	Webs	Tens. C	omp.		
G-B	821 - 4074	F-C	184	- 883		
B-F	1940 - 320	C-F	471	- 80		



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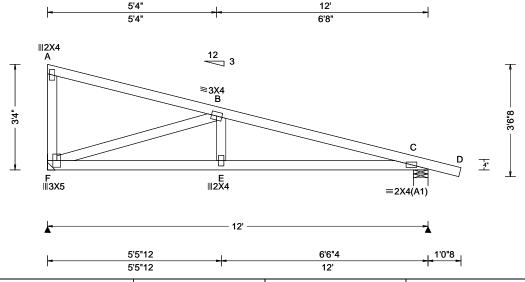
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SEQN: 13050 / MONO Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T28 FROM: DrwNo: 260.21.1106.35758 Qty: 3 Jeff Coker Residence Truss Label: H02S / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gra
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.033 E 999 240	Loc R+ /
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.066 E 999 180	F 474 /
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 A	C 558 /
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.027 A	Wind reaction
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	F Brg Wid
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.398	C Brg Wid
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.498	Bearing C is
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.608	Members no Maximum 1
' "	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Chords Te
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	B-C 4
		•		•

m Reactions (lbs) ravity Non-Gravity / R-/Rh /Rw /U /RL /246 /16 /75 /-/268 /31 /tions based on MWFRS idth = -Min Rea = idth = 5.5 Min Req = 1.5is a rigid surface. not listed have forces less than 375# Top Chord Forces Per Ply (lbs) ens.Comp. 402 - 1048

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Left end vertical exposed to wind pressure. Deflection

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. F-E 975 - 322 985 - 319

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

F-B 532 - 1013



09/18/2021

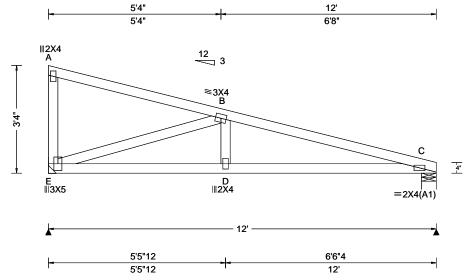
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SEQN: 13052 / MONO Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T24 FROM: DrwNo: 260.21.1106.35540 Qty: 1 Jeff Coker Residence Truss Label: H03S / WHK 09/17/2021



Loading	Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL:	20.00	Wind Std: ASCE 7-16	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravi	rity
TCDL:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.033 D 999 240	Loc R+ /R- /Rh /Rw /U	/ RL
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.066 D 999 180	E 478 /- /- /247 /71	/91
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 A	C 490 /- /- /252 /48	/-
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.026 A	Wind reactions based on MWFRS	
NCBCLL	: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	E Brg Width = - Min Req = -	
Soffit:	2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.516	C Brg Width = 5.5 Min Req = 1.5	
Load Du	ration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.504	Bearing C is a rigid surface.	
Spacing:		C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.619	Members not listed have forces less than 3	-
		Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs Chords Tens.Comp.	5)
		GCpi: 0.18	Plate Type(s):		Onords Tens.Comp.	
		Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	B - C 417 - 1066	

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Left end vertical exposed to wind pressure. Deflection

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 993 - 350 1003 - 347

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. E - B 546 - 1031



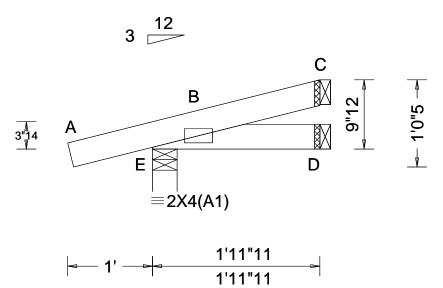
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SEQN: 12894 / JACK Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T51 FROM: DrwNo: 260.21.1106.33023 Qty: 4 Jeff Coker Residence Truss Label: J01 / WHK 09/17/2021



Loc. from endwall: Any

mum Reactions (lbs) Gravity Non-Gravity /Rw / U /RL /-/98 /27 /-/17 /17 /12 eactions based on MWFRS Width = 3.5 Min Req = 1.5 Min Req = width = 1.5 g Width = 1.5 Min Req = -E is a rigid surface. ers 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.



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SEQN: 396835 / HIP_ Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T49 FROM: DrwNo: 260.21.1106.32554 Qty: 2 Jeff Coker Residence Truss Label: J01HJ / WHK 09/17/2021 6'10"6 6'10"6 **∥2.5X6** 2.12 CD \equiv 2X4(A1) 3"12 E F **|||2.5X6** 6'10"6 2"8 6'10"6 7'0"14 ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL /41

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	ĺ
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	ĺ
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	ĺ
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	ĺ
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.012 B	ĺ
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.024 B	İ
NCBCLL: 0.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	ĺ
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.613	ĺ
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.443	ĺ
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.188	ĺ
	Loc. from endwall: NA	FT/RT:20(0)/10(0)		ĺ
	GCpi: 0.18	Plate Type(s):		ĺ
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber				

G 194 Е 420 /-/254 /-/-110 /197 /-Wind reactions based on MWFRS Brg Width = 4.9 Min Req = 1.5 Brg Width = 1.5 Min Req = -Brg Width = 1.5 Min Req = -

Bearing G is a rigid surface.

Members not listed have forces less than 375#

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

Loading

Hipjack supports 5-0-0 setback jacks with no webs.

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

The overall height of this truss excluding overhang is



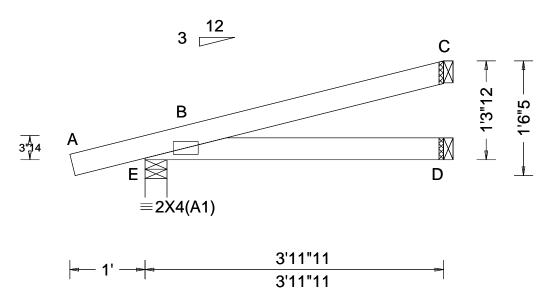
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SEQN: 12895 / JACK Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T3 FROM: DrwNo: 260.21.1106.34351 Qty: 4 Jeff Coker Residence Truss Label: J02 / WHK 09/17/2021



BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	VERT(LL): NA VERT(CL): NA HORZ(LL): 0.002 B HORZ(TL): 0.005 B Creep Factor: 2.0 Max TC CSI: 0.167 Max BC CSI: 0.141 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Loc R+ / R- E 239 /- D 68 /- C 96 /- Wind reactions b E Brg Width = D Brg Width = C Brg Width = Bearing E is a rig Members not liste
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eactions (lbs) Non-Gravity /Rh /Rw /U /RL /132 /42 /-/38 /39 /38 based on MWFRS Min Req = 1.5 = 3.5 Min Req = -= 1.5 = 1.5 Min Req = igid surface. sted have forces less than 375#

Lumber

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



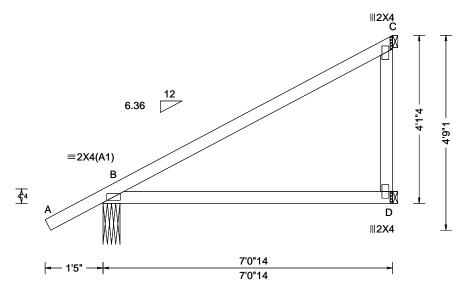
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SEQN: 396843 / HIP_ Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T14 FROM: DrwNo: 260.21.1106.32492 Qty: 1 Jeff Coker Residence Truss Label: J02HJ / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0)	Defl/CSI Criteria
GCpi: 0.18 Wind Duration: 1.60		Plate Type(s): WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber	•	•	

▲ Maximum Reactions (lbs)						
	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	228	/-	/-	/-	/41	/-
D	94	/-	/-	/30	/-	/-
С	229	/-	/-	/-	/78	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	4.9	Min Re	q = 1.5	5
D	Brg V	Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bearing B is a rigid surface.						
Mer	nbers	not list	ed have fo	orces les	s than	375#

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

Loading

Hipjack supports 5-0-0 setback jacks with no webs.

Wind

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

Additional Notes

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



09/18/2021

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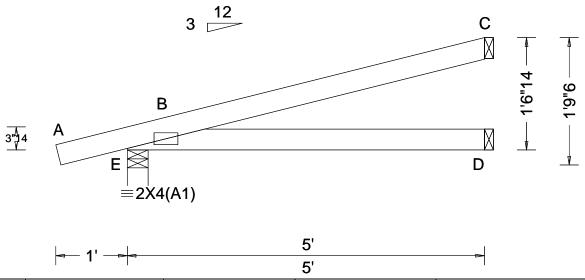
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SEQN: 12896 / **EJAC** Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T50 FROM: DrwNo: 260.21.1106.35446 Qty: 14 Jeff Coker Residence Truss Label: J03 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs	;)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.005 B HORZ(TL): 0.011 B Creep Factor: 2.0 Max TC CSI: 0.301 Max BC CSI: 0.234 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ /R- /Rh E 278 /- /- D 88 /- /- C 126 /- Wind reactions based on MV E Brg Width = 3.5 D Brg Width = 1.5	Non-Gravity / Rw / U / RL /152 /64 /51 /49 /- /- /51 /50 /- VFRS Min Req = 1.5 Min Req = - Min Req = -

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

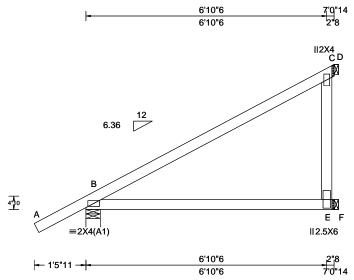
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 396845 / HIP_ Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T29 FROM: DrwNo: 260.21.1106.34321 Qty: 1 Jeff Coker Residence Truss Label: J03HJ / WHK 09/17/2021





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.018 B
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.691
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.355
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.253
	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumban	•	•	

_	▲ Maximum Reactions (lbs)						
		G	avity		No	on-Grav	vity
	Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	В	255	/-	/-	/-	/47	/-
	Е	454	/-	/-	/-	/226	/-
	С	-	/-136	/-	/179	/-	/-
	Wir	nd read	ctions ba	ased on I	MWFRS		
	В	Brg V	Vidth = 4	4.9	Min Re	q = 1.5	;
	Е	Brg V	Vidth =	1.5	Min Re	q = -	
	С	Brg V	Vidth =	1.5	Min Re	q = -	
	Bea	aring B	is a rigi	d surface	Э.		
	Me	mbers	not liste	d have fo	orces less	s than 3	375#

Lumber

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

Loading

Hipjack supports 5-0-0 setback jacks with no webs.

Wind

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

The overall height of this truss excluding overhang is



09/18/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

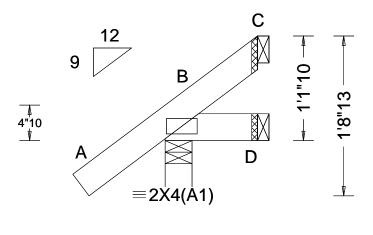
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 12897 / JACK Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T33 FROM: DrwNo: 260.21.1106.36195 Qty: 3 Jeff Coker Residence Truss Label: J04 / WHK 09/17/2021



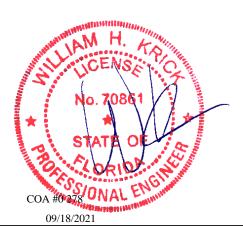
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria					
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#					
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA					
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA					
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B					
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.000 C					
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0					
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.118					
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.017					
Spacing: 24.0 "	C&C Dist a: 3.00 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: 21.01.01A.0521.20					
Lumber	11112							

Gravity			No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL
В	159	/-	/-	/136	/28	/46
D	12	/0	/-	/11	/5	/-
С	-	/-9	/-	/22	/26	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	3.5	Min Req = 1.5		
D	Brg V	Vidth =	1.5	Min Reg = -		
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bearing B is a rigid surface.						
Mer	nbers	not liste	ed have f	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.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

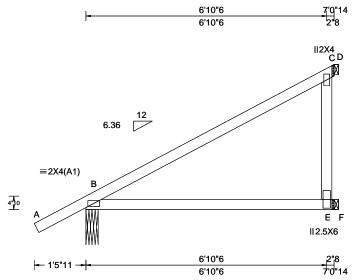
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SEQN: 396841 / HIP_ Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T37 FROM: DrwNo: 260.21.1106.34695 Qty: 1 Jeff Coker Residence Truss Label: J04HJ / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.018 B
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.691
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.355
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.253
	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumban	•	•	

1	▲ N	laxim	um Rea	ctions (It	os)			
ı		G	avity		Non-Gravity			
ı	Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
	В	255	/-	/-	/-	/47	/-	
ı	Е	454	/-	/-	/-	/226	/-	
ı	С	-	/-136	/-	/179	/-	/-	
ı	Wind reactions based on N				/WFRS			
ı	B Brg Width = 4.2				Min Req = 1.5			
ı	E Brg Width = 1.5				Min Req = -			
ı					Min Req = -			
ı	Bearing B is a rigid surface) .				
ı	Members not listed have				orces less	than 3	375#	
4								
ı								

Lumber

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

Loading

Hipjack supports 5-0-0 setback jacks with no webs.

Wind

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

The overall height of this truss excluding overhang is



09/18/2021

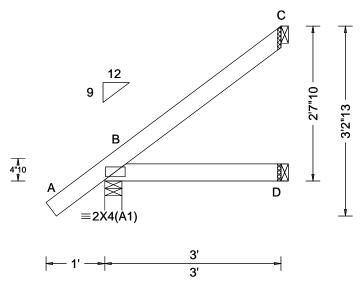
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SEQN: 13063 / JACK Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T16 FROM: DrwNo: 260.21.1106.34242 Qty: 3 Jeff Coker Residence Truss Label: J05 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.001 B
Des Ld: 40.00	Mean Height: 15.00 ft		HORZ(TL): 0.001 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.166
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.077
Spacing: 24.0 "	C&C Dist a: 3.00 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: 21.01.01A.0521.20
Lumber			

Gravity			Non-Gravity		
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B 211	/-	/-	/154	/8	/99
D 54	/-	/-	/31	/-	/-
C 77	/-	/-	/60	/52	/-
Wind rea	ctions b	ased on I	MWFRS		
B Brg '	Width =	3.5	Min Req = 1.5		
D Brg \	Width =	1.5	Min Re	q = -	
C Brg Width = 1.5			Min Re	q = -	
Bearing B is a rigid surface.					
Members	not list	ed have f	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.



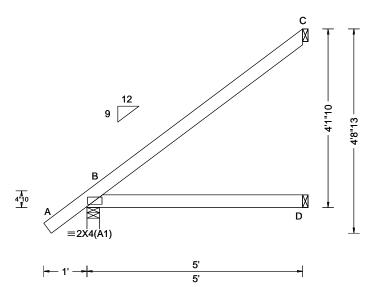
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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 12899 / **EJAC** Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T65 FROM: DrwNo: 260.21.1106.35243 Qty: 7 Jeff Coker Residence Truss Label: J06 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.010 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.439
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.257
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
1	•	•	

Gravity			No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	291	/-	/-	/200	/-	/152
D	94	/-	/-	/55	/-	/-
С	140	/-	/-	/111	/90	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	3.5	Min Reg = 1.5		
D	Brg V	Vidth =	1.5	Min Reg = -		
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bearing B is a rigid surface.						
Mer	nbers	not list	ed have f	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.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

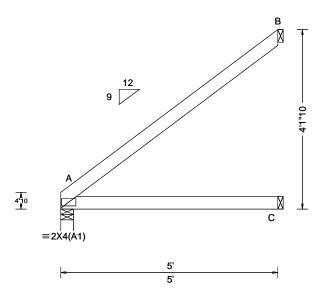
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SEQN: 12900 / **EJAC** Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T25 FROM: DrwNo: 260.21.1106.33820 Qty: 4 Jeff Coker Residence Truss Label: J07 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 A
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.012 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.465
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.265
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumban		1	

1	۸N	laxim	um Rea	ctions (I	bs)			
		G	avity	•	Non-Gravity			
	Loc	: R+	/ R-	/ Rh	/ Rw	/U	/ RL	
	Α	219	/-	/-	/133	/-	/95	
	С	95	/-	/-	/59	/-	/-	
	В	144	/-	/-	/116	/59	/-	
	Wind reactions based on M				MWFRS			
	A Brg Width = 3.5				Min Req = 1.5			
	С	Brg V	Vidth =	1.5	Min Reg = -			
	B Brg Width = 1.5				Min Reg = -			
	Bearing A is a rigid surfac			э.	-			
	Ме	mbers	not list	ed have fo	orces less	s than	375#	
_								

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



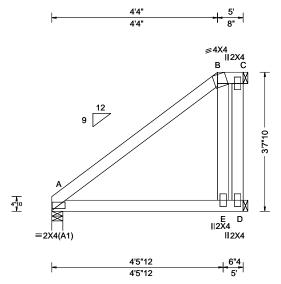
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SEQN: 13065 / **EJAC** Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T38 FROM: DrwNo: 260.21.1106.34711 Qty: 1 Jeff Coker Residence Truss Label: J08 / WHK 09/17/2021



Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.011 E 999 240	
	Lu: NA Cs: NA	VERT(CL): 0.024 E 999 180	
	Snow Duration: NA	HORZ(LL): 0.011 B	
		HORZ(TL): 0.023 B	
	Building Code:	Creep Factor: 2.0	
· · · · · · · · · · · · · · · · · · ·	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.315	
MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.246	
C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.092	
Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
GCpi: 0.18	Plate Type(s):		1
Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Wind Std: ASCE 7-16 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# VERT(LL): 0.011 E 999 240 Speed: 130 mph Pf: NA Cs: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Sno

AI	▲ Maximum Reactions (lbs)						
	G	avity	No	on-Gra	vity		
Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Α	219	/-	/-	/138	/-	/82	
D	180	/-	/-	/143	/58	/-	
С	51	/-	/-	/32	/-	/-	
Wi	nd read	ctions b	ased on I	MWFRS			
Α	Brg V	Vidth =	3.5	Min Req = 1.5			
D	Brg V	Vidth =	1.5	Min Reg = -			
С	Brg V	Vidth =	1.5	Min Re	q = -		
	Bearing A is a rigid surface				-		
Me	mbers	not liste	ed have fo	orces less	s than	375#	
1							

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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



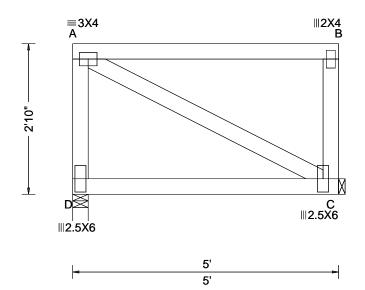
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 13067 / **EJAC** Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T21 FROM: DrwNo: 260.21.1106.33837 Qty: 1 Jeff Coker Residence Truss Label: J09 / WHK 09/17/2021



Loading C	Criteria (psf)	Wind Criteria	Snow Criteria (Pg	,Pf in PSF)	Defl/CSI Cr	iteria			۸N	laxim	um Rea	ctions (I	bs)		
TCLL:	20.00	Wind Std: ASCE 7-16	Pa: NA Ct: NA	CAT: NA	PP Deflection	on in loc l	L/defl	L/#		(aravity		N	on-Gra	avity
TCDL:	10.00	Speed: 130 mph	Pf: NA	Ce: NA	VERT(LL):	0.000 A	999	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA		VERT(CL):	0.001 A	999	180	D	200	/-	/-	/111	/49	/72
BCDL:	10.00		Snow Duration: NA	١	HORZ(LL):	0.001 B	-	-	c	200	/-	/-	/121	/51	/-
Des Ld:	40 00	EXP: C Kzt: NA			HORZ(TL):	0.001 B	-	-	Wir	nd rea	ctions b	ased on I	MWFRS		
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:		Creep Facto	or: 2.0			D	_	Width =		Min Re		5
1	0.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020	Res.	Max TC CS	l: 0.418			C	9	Vidth =	-	Min Re	eq = -	
Load Dura		MWFRS Parallel Dist: h to 2h	TPI Std: 2014		Max BC CS	I: 0.260				•	_	jid surfac		_ 41	0754
Spacing: 2			Rep Fac: Yes		Max Web C	SI: 0.218			IVIE	mbers	not list	ed have f	orces ies	s tnan	3/5#
' "		Loc. from endwall: not in 21.00 ft	FT/RT:20(0)/10(0)												
			Plate Type(s):												
		Wind Duration: 1.60	WAVE		VIEW Ver: 2	21.01.01A.	.0521.	20							

Lumber

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

Wind

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

Left end vertical exposed to wind pressure. Deflection meets L/360.

Right end vertical not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



09/18/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

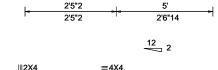
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

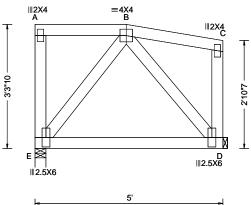
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SEQN: 13069 / **EJAC** Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T47 FROM: DrwNo: 260.21.1106.36258 Qty: 1 Jeff Coker Residence Truss Label: J10 / WHK 09/17/2021





			1
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 A
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 D
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.105
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.264
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.192
' '	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 201 /116 201 /-/129 /-/48 Wind reactions based on MWFRS Brg Width = 3.5 Min Rea = 1.5Brg Width = 1.5 Min Req = -Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Left end vertical exposed to wind pressure. Deflection meets L/360.

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



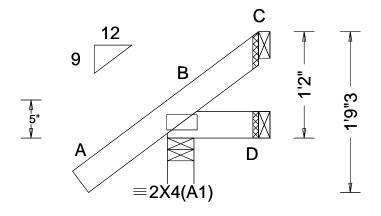
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SEQN: 12904 / JACK Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T56 FROM: DrwNo: 260.21.1106.34867 Qty: 3 Jeff Coker Residence Truss Label: J11 / WHK 09/17/2021





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 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 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.000 C
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.125
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.018
Spacing: 24.0 "	C&C Dist a: 3.00 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: 21.01.01A.0521.20
Lumber			

	Gravity	ctions (Non-Gravity			
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
B 165	/-	/-	/142	/30	/47	
D 12	/-1	/-	/11	/5	/-	
C -	/-13	/-	/23	/29	/-	
Wind re	actions b	ased on	MWFRS			
B Brg	Width =	3.5	Min Re	q = 1.5	5	
D Brg	Width =	1.5	Min Re	q = -		
C Brg	Width =	1.5	Min Re	q = -		
Bearing	B is a rig	id surfac	e.	-		
Membe	s not list	ed have f	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.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

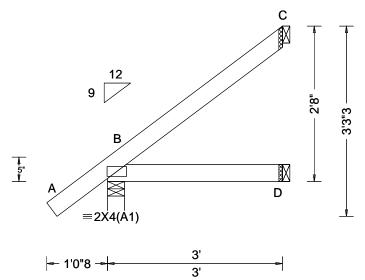
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 12905 / JACK Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T6 FROM: DrwNo: 260.21.1106.33258 Qty: 3 Jeff Coker Residence Truss Label: J12 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.171 Max BC CSI: 0.077 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20
Lumber		•	

	G	ravity	ctions (I	•	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В :	215	/-	/-	/157	/9	/100
D :	54	/-	/-	/31	/-	/-
C ·	77	/-	/-	/59	/53	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	3.5	Min Re	q = 1.5	5
D	Brg V	Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bea	ring B	is a riq	id surfac	e.	•	
	_	_		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.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

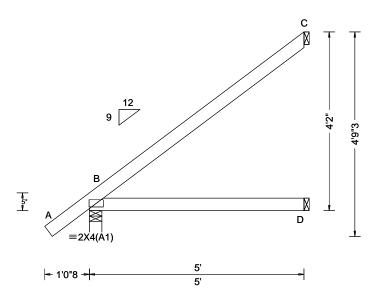
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SEQN: 12906 / **EJAC** Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T48 FROM: DrwNo: 260.21.1106.35242 Qty: 5 Jeff Coker Residence Truss Label: J13 / WHK 09/17/2021



TCLL: 20.00	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
GCpi: 0.18	TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B HORZ(TL): 0.009 B Creep Factor: 2.0 Max TC CSI: 0.448 Max BC CSI: 0.258 Max Web CSI: 0.000

▲ Maxim		ictions (l	•	_	
G	avity		No	on-Gra	vity
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B 294	/-	/-	/203	/-	/153
D 94	/-	/-	/54	/-	/-
C 140	/-	/-	/111	/91	/-
Wind read	ctions b	ased on I	MWFRS		
B Brg V	Vidth =	3.5	Min Re	q = 1.	5
D Brg V	Vidth =	1.5	Min Re	q = -	
C Brg V	Vidth =	1.5	Min Re	q = -	
Bearing E	is a rig	id surfac	e.		
Members	not list	ed have f	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.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

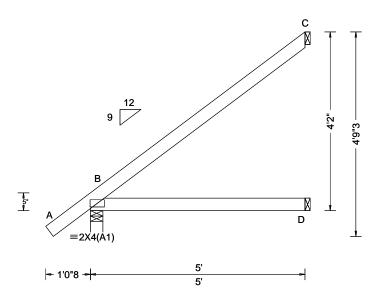
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SEQN: 12907 / **EJAC** Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T60 FROM: DrwNo: 260.21.1106.35601 Qty: 7 Jeff Coker Residence Truss Label: J14 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.009 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.448
Load Duration: 1.25	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	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: 21.01.01A.0521.20

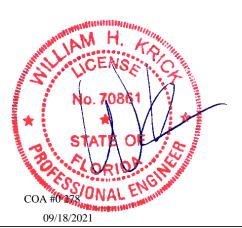
▲ M	laxim	um Rea	actions (I	bs)		
	G	Gravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	294	/-	/-	/203	/-	/153
D	94	/-	/-	/54	/-	/-
С	140	/-	/-	/111	/91	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	3.5	Min Re	q = 1.	5
D	Brg V	Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
			id surface	е.	-	
Mer	nbers	not list	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.



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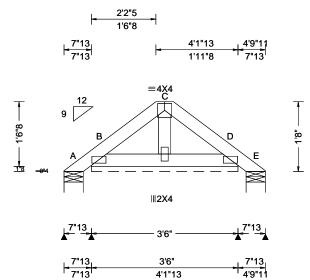
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 13071 / FROM:

GABL

Ply: 1 Qty: 1 Job Number: 21-6094-R Jeff Coker Residence Truss Label: PB01

Cust: R 215 JRef: 1X8W2150011 T13 DrwNo: 260.21.1106.35101 / WHK 09/17/2021



▲ Maximum Reactions (lbs), or *=PLF							
	G	ravity		No	on-Gra	vity	
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Α	5	/-	/-	/31	/29	/46	
В*	82	/-	/-	/60	/26	/-	
Е	5	/-	/-	/2	/0	/-	
Wir	nd read	ctions b	ased on N	MWFRS			
Α	Brg V	Vidth =	5.5	Min Re	q = 1.5	5	
В	Brg V	Vidth =	42.0	Min Re	q = -		
E Brg Width = 5.5 Min Reg = 1.5							
Bea	arings .	A, B, &	E are a ri	gid surfa	ce.		
Ме	mbers	not liste	ed have fo	rces les	s than	375#	

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

Plating Notes

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

Loading

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

Refer to DWG PB160160118 for piggyback details.



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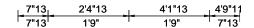
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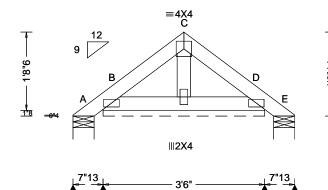
SEQN: 13073 / FROM:

GABL

Ply: 1 Qty: 2 Job Number: 21-6094-R Jeff Coker Residence Truss Label: PB02

Cust: R 215 JRef: 1X8W2150011 T26 DrwNo: 260.21.1106.34086 / WHK 09/17/2021





1'9"

1'9" 4'1"13

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1.
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240	١.
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180	١.
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 D	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 20.02 ft		HORZ(TL): 0.000 D	
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	ľ
Soffit: 2.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.038	ŀ
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.014	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.010	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	

▲ N	laxim	ım Rea	ctions (I	bs), or *=	:PLF	
	G	ravity		No	on-Gra	vity
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	5	/-	/-	/32	/31	/49
В*	82	/-	/-	/61	/24	/-
Е	5	/-	/-	/2	/0	/-
Wir	nd read	ctions b	ased on I	MWFRS		
Α	Brg V	Vidth =	5.5	Min Re	q = 1.5	5
В	Brg V	Vidth =	42.0	Min Re	q = -	
Е		Vidth =		Min Re	$\dot{q} = 1.5$	5
Bea	arings .	A, B, &	E are a ri	gid surfa	ce.	
	_		ed have fo	_		375#

Lumber

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

Plating Notes

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

Loading

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

Refer to DWG PB160160118 for piggyback details.



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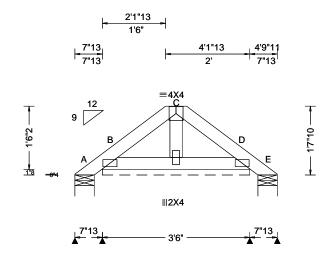
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SEQN: 13076 / FROM:

GABL

Ply: 1 Qty: 1 Job Number: 21-6094-R Jeff Coker Residence Truss Label: PB03

Cust: R 215 JRef: 1X8W2150011 T8 DrwNo: 260.21.1106.32258 / WHK 09/17/2021



3'6" 4'1"13

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	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.92 ft TCDL: 5.0 psf	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code:	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): 0.000 D HORZ(TL): 0.000 D Creep Factor: 2.0
	BCDL: 2.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Max TC CSI: 0.028 Max BC CSI: 0.014 Max Web CSI: 0.010 VIEW Ver: 21.01.01A.0521.20
Lumber	wind Duradon: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

		ravity	ctions (ii	lbs), or *=PLF Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	6	/-	/-	/35	/27	/45
В*	83	/-	/-	/62	/11	/-
Е	6	/-	/-	/7	/-	/-
Win	d read	ctions b	ased on N	MWFRS		
Α	Brg V	Vidth =	5.5	Min Re	q = 1.5	5
В	Brg V	Vidth =	42.0	Min Re	q = -	
Е			5.5		$\dot{q} = 1.5$	5
Bea	rings.	A, B, &	E are a ri	gid surfa	ce.	
	_		ed have fo	_		375#

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

Plating Notes

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

Loading

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

Refer to DWG PB160160118 for piggyback details.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

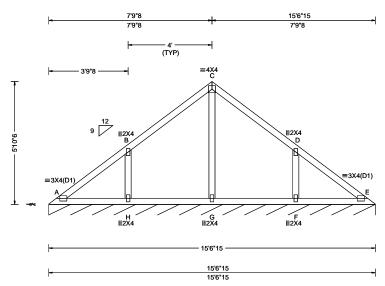
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SEQN: 26220 / VAL Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T41 FROM: DrwNo: 260.21.1106.33086 Qty: 1 Jeff Coker Residence Truss Label: V01 / WHK 09/17/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.003 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.007 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 E
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf	Building Code: FBC 7th Ed. 2020 Res.	HORZ(TL): 0.004 E Creep Factor: 2.0 Max TC CSI: 0.270
Load Duration: 1.25 Spacing: 24.0 "	BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft	TPI Std: 2014 Rep Fac: Yes	Max BC CSI: 0.134 Max Web CSI: 0.139
	Loc. from endwall: not in 9.00 ft GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):	
Lumban	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL E* 85 /-/-/45 /11 Wind reactions based on MWFRS Brg Width = 186 Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

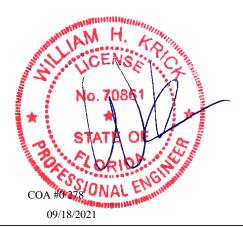
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



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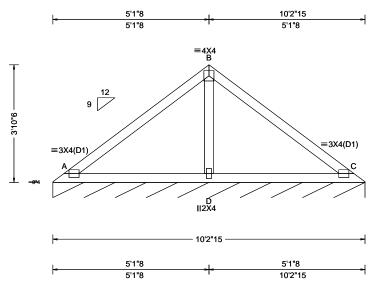
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SEQN: 26223 / VAL Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T45 FROM: DrwNo: 260.21.1106.33399 Qty: 1 Jeff Coker Residence Truss Label: V02 / WHK 09/17/2021



oading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
CLL: 20.00 Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
CDL: 10.00 Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.012 C 999 240	Loc R+ /R- /Rh	/Rw /U /RL
CLL: 0.00 Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.026 C 999 180	C* 85 /- /-	/44 /10 /10
CDL: 10.00 Risk Category: II	Snow Duration: NA	HORZ(LL): -0.007 C	Wind reactions based on	
les Ld: 40.00 EXP: C Kzt: NA		HORZ(TL): 0.014 C	C Brg Width = 122	Min Req = -
Mean Height: 26.07 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	Bearing A is a rigid surface	
offit: 2.00 BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.376	Members not listed have t	
oad Duration: 1.25 MWFRS Parallel Dist: h/2 to	TPI Std: 2014	Max BC CSI: 0.314	Maximum Web Forces F	er Ply (lbs)
pacing: 24.0 " C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.161	Webs Tens.Comp.	-
Loc. from endwall: not in 9.0	ft FT/RT:20(0)/10(0)		B - D 398 - 572	
GCpi: 0.18	Plate Type(s):			
Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20		

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



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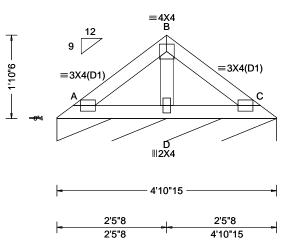
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SEQN: 26226 / VAL Ply: 1 Job Number: 21-6094-R Cust: R 215 JRef: 1X8W2150011 T5 FROM: DrwNo: 260.21.1106.34524 Qty: 1 Jeff Coker Residence Truss Label: V03 / WHK 09/17/2021





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria				
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#				
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 C 999 240				
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.003 C 999 180				
	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C				
IDec I d: 40 00	EXP: C Kzt: NA Mean Height: 27.07 ft		HORZ(TL): 0.002 C				
INCOCITE 40 00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0				
0 - 40:4.	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.070				
	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.056				
1	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.047				
'	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)					
	GCpi: 0.18	Plate Type(s):					
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20				

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL C* 84 /-/-/42 Wind reactions based on MWFRS Brg Width = 59.0 Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



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Gable Stud Reinforcement Detail

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

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

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

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

								•	, ,			·		
		2x4 · Vertico	Brace	l No	(1) 1×4 "L	" Brace *	(1) 2×4 *L	" Brace *	(2) 2×4 *L	" Brace **	(1) 2×6 *L	" Brace *	(2) 2x6 L	Brace **
ے	Spacing	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
		CDE	#1 / #2	4′ 3″	7′ 3″	7′ 7 ″	8′ 7 ″	8′ 11 ″	10′ 3″	10′ 8 ″	13′ 6 ″	14′ 0″	14′ 0″	14′ 0″
'o	1	SPF	#3	4′ 1″	6′ 7 ″	7′ 1″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6 ″	13′ 4″	13′ 10″	14′ 0″	14′ 0″
1 2	Ų	HF	Stud	4′ 1″	6′ 7 ″	7′ 0″	8′ 6 ″	8′ 10 ′	10′ 1″	10′ 6 ″	13′ 4″	13′ 10″	14′ 0″	14′ 0″
>.	0	1 11	Standard	4′ 1″	5′ 8″	6′ 0 ″	7′ 7″	8′ 1 ″	10′ 1″	10′ 6″	11′ 10″	12′ 8″	14′ 0″	14′ 0″
به ا			#1	4′ 6″	7′ 4″	7′ 8″	8′ 8″	9′ 0″	10′ 4″	10′ 9 ″	13′ 8″	14′ 0″	14′ 0″	14′ 0″
—	*	SP	#2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11 ″	10′ 3″	10′ 8″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
	4	l	#3	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ′	13′ 4″	14′ 0″	14′ 0″
g		IDFL	Stud	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″
1 8			Standard	4′ 0″	5′ 3 ″	5′ 7 ″	7′ 0 ″	7′ 6″	9′ 6″	10′ 2″	11′ 0″	11′ 10″	14′ 0″	14′ 0″
1.5		SPF	#1 / #2	4′ 11″	8′ 4″	8′ 8″	9′ 10″	10′ 3″	11′ 8″	12′ 2 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
+>	l . .	12LL	#3	4′ 8″	8′ 1 ″	8′ 8 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
(HF	Stud	4′ 8″	8′ 1″	8′ 6 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ا مَ	lō	1 11	Standard	4′ 8″	6′ 11″	7′ 5 ″	9′ 3″	9′ 11″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
~	_		#1	5′ 1″	8′ 5 ″	8′ 9″	9′ 11″	10′ 4″	11′ 10″	12′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
_		SP	#2	4' 11"	8′ 4″	8′ 8 ″	9′ 10″	10′ 3″	11′ 8″	12′ 2 ′	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	9	DC.	#3	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
W	 	DFL	Stud	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	4′ 8″	6′ 5″	6′ 10 ″	8′ 7″	9′ 2″	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
2		SPF	#1 / #2	5′ 5″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	11′ 8″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ୁପ	l . .		#3	5′ 1′	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0	l U	HF	Stud	5′ 1″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	lō	<u> </u>	Standard	5′ 1″	8′ 0″	8′ 6″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
<u>×</u>	_		#1	5′ 8″	9′ 3″	9′ 8″	10′ 11″	11′ 4″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
		SP	#2	5′ 5″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	12′ 11″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
Σ	N	lbe.	#3	5′ 3″	8′ 5″	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
—	~	DFL	Stud	5′ 3″	8′ 5″	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1	1		Standard	5′ 1 ″	7′ 5″	7′ 11″	9′ 11″	10′ 7″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″

Bracing Group Species and Grades: Group A: Spruce-Pine-Fir <u>He</u>m-Fir #1 / #2 Standard #2 Stud #3 Stud #3 Standard Douglas Fir-Larch Southern Pine*** #3 #3 Stud Stud Standard Standard Group B: Hem-Fir #1 & Btr D<u>ouglas Fir-Larch</u> Southern Pine*** #1 #1 #2

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

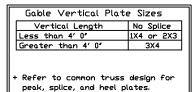
Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

Attach "L" braces with 10d (0.128"x3.0" min) nails. * For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones. ₩¥For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

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



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

Gable Truss Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 450# at each end. Max web total length is 14'. 2×4 DF-L #2 or better diagonal brace; single Vertical length shown or double cut in table above. (as shown) at upper end. Connect diagonal at midpoint of vertical web.

"L" Brace End Zones, typ. Continuous Bearing

Refer to chart shove for max gable ventical length.

VARNINGI READ AND FOLLOW ALL NOTES ON THIS DRAVINGI
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

ASCE7-16-GAB14015 DATE 01/26/2018 DRWG A14015ENC160118 MAX, TOT, LD, 60 PSF COA #0.278 09/18/2021 MAX. SPACING 24.0"

Gable Stud Reinforcement Detail

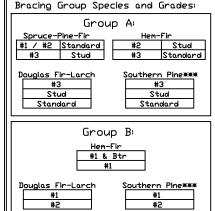
ASCE 7-16: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

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

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

		2x4 Vertica	Brace	No	(1) 1×4 "L	Brace *	(1) 2×4 *L	" Brace *	(2) 2×4 *L	Brace **	(1) 2×6 'L	" Brace *	(2) 2x6 *L	Brace **	•
_	Spacing	Species	Grade		Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	
다 구 		CDE	#1 / #2	4′ 1″	6′ 11″	7′ 2″	8′ 2 ″	8′ 6″	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	ĺ
	1.7	SPF	#3	3′ 10″	6′ 2″	6′ 7″	8′ 1″	8′ 5 ″	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″	
D	ب ا	HF	Stud	3′ 10″	6′ 2″	6′ 6″	8′ 1 ″	8′ 5″	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″	
>	0	1 11	Standard	3′ 10″	5′ 3″	5′ 7 ″	7′ 0″	7′ 6″	9′ 6″	10′ 0″	11′ 0″	11′ 10″	14′ 0″	14′ 0″	1
به			#1	4′ 2″	7′ 0″	7′ 3″	8′ 3″	8′ 7″	9′ 10″	10′ 3″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	1
	*	l SP	#2	4′ 1″	6′ 11″	7′ 2″	8′ 2 ″	8′ 6″	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	
	4	l	#3	4′ 0″	5′ 7″	5′ 11 ″	7′ 5 ″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″	1
	α	IDFL	Stud	4′ 0″	5′ 7″	5′ 11 ″	7′ 5″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″	1
[] 전	. –		Standard	3′ 9″	4′ 11″	5′ 13 ″	6′ 6 ″	7′ 0″	8′ 10 ″	9′ 6″	10′ 3″	11′ 0″	13′ 11″	14′ 0″	1
II <u>.</u> ∪		CDE	#1 / #2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
+>		SPF	#3	4′ 5″	7′ 6″	8′ 3″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	סיכ	HF	Stud	4′ 5 ″	7′ 6″	8′ 0 ″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
Πà	Ō	1 11	Standard	4′ 5 ″	6′ 5 ″	6′ 10 ″	8′ 7 ″	9′ 2″	11′ 0″	11′ 6″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	
$\mathbb{N}^{\mathbb{Z}}$			#1	4′ 10″	8′ 0″	8′ 4″	9′ 6″	9′ 10″	11′ 3″	11′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
>	*	l SP	#2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
		l	#3	4′ 7″	6′ 10″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
IJω	16	DFL	Stud	4′ 7″	6′ 10 ″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
Ⅱਢ			Standard	4′ 5″	6′ 0″	6′ 5 ″	8′ 0 ″	8′ 7 ″	10′ 10″	11′ 6″	12′ 7″	13′ 15″	14′ 0″	14′ 0″	1
ll 으		SPF	#1 / #2	5′ 2 ″	8′ 9 ″	9′ 1″	10′ 4″	10′ 9″	11′ 2″	12′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
		12LL	#3	4′ 10″	8′ 7″	8′ 11 ″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
0		HF	Stud	4′ 10″	8′ 7 ″	8′ 11 ″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	0,0	1 11	Standard	4′ 10″	7′ 5″	7′ 11″	9′ 11″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
$H \times$			#1	5′ 4 ″	8′ 10″	9′ 2″	10′ 5 ″	10′ 10″	12′ 5″	12′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	*	SP	#2	5′ 2 ″	8′ 9″	9′ 1″	10′ 4″	10′ 9″	12′ 3″	12′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
M Q	ù		#3	5′ 0 ″	7′ 10″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	1,	IDFL	Stud	5′ 0 ″	7′ 10″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
			Standard	4′ 10″	6′ 11″	7′ 4″	9′ 3″	9′ 10″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	



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

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

Provide uplift connections for 100 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

Attach "L" braces with 10d (0.128"x3.0" min) nails. * For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones. ₩¥For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

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

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

peak, splice, and heel plates.

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

Gable Truss Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 525# at each end. Max web total length is 14'. 2x6 DF-L #2 or better diagonal brace; single Vertical length shown or double cut in table above. (as shown) at upper end. Connect diagonal at midpoint of vertical web.

Symm C "L" Brace End Zones, typ. Continuous Bearing

Refer to chart shove for max gable ventical length.

VARNING READ AND FOLLOW ALL NOTES ON THIS DRAVING
IMPORTANT FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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ASCE7-16-GAB14030 |DATE 01/26/2018 DRWG A14030ENC160118

MAX, TOT, LD, 60 PSF

MAX. SPACING 24.0"

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.

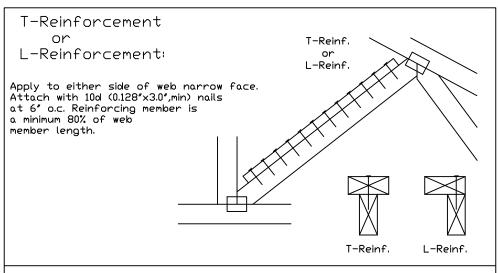
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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	2x6	1-2×8
	2 rows	2x6	2-2×6(*)

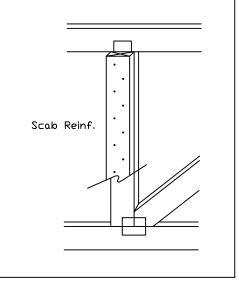
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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



Scab Reinforcement:

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



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

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∓€ LL	PSF	REF	CLR Subst.
TC DL	PSF	DATE	01/02/19
BC DL	PSF	DRWG	BRCLBSUB0119
BC LL	PSF		
тот. ср.	PSF		
DUR. FAC.]	
SPACING			

ALPINE

Gable Detail For Let-in Verticals Gable Truss Plate Sizes Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs. +) Refer to Engineered truss design for peak, splice, web, and heel plates. *If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web. Gable Example: Length typ.

Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:

10d Common (0.148"x 3.", min) Nails at 4" o.c. plus

(4) nails in the top and bottom chords.

10d Common (0.148"x3".min) Toenails at 4" o.c. plus

(4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A11015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

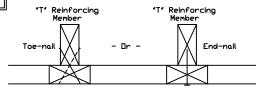
ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118, S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,

\$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015PED100418, S11530ENC100118, S12030ENC100118, S14030ENC100118, \$16030[NC1001]8, \$1,000 \$18030ENC100118, \$20030ENC100118, \$20030EN0100118, \$20030PED100118

See appropriate Alpine gable detail for maximum any eleforces galle, ver

"T" Reinforcement Attachment Detail



To convert from "L" to "T" reinforcing members, multiply "T" increase by length (based on appropriate Alpine gable detail).

Maximum allowable "T" reinforced gable vertical length is 14' from top to bottom chord.

"T" reinforcing member material must match size, specie, and grade of the "L" reinforcing member.

Web Length Increase w/ "T" Brace

"T" Reinf.	"T"
Mbr. Size	Increase
2×4	30 %
2x6	20 %

Example:

ASCE 7-10 Wind Speed = 120 mph Mean Roof Height = 30 ft, Kzt = 1.00Gable Vertical = 24°o.c. SP #3 "T" Reinforcing Member Size = 2x4

"T" Brace Increase (From Above) = 30% = 1.30 (1) 2x4 "L" Brace Length = 8' 7"

Maximum "T" Reinforced Gable Vertical Length $1.30 \times 8' \ 7'' = 11' \ 2''$

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

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

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

Rigid Sheathing

Ceiling

4 Nails

Nails

Spaced At

4 Nails

Reinforcing Member

Gable

Truss

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

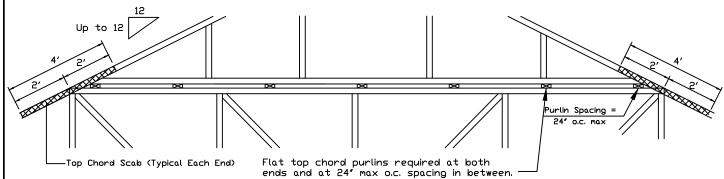
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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



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

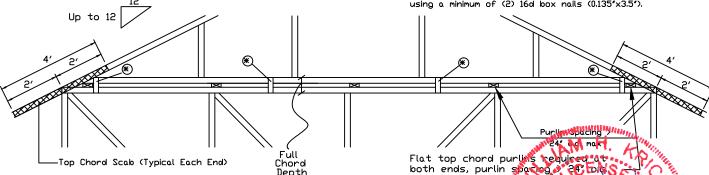
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

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

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

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

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



Depth Note: If purlins or sheathing are not specified on the flat top of the sage

truss, purlins must be installed at 24" o.c. max. and use Detail A.

* In addition, provide connection with one of the following methods:

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

APA Rated Gusset

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

2x4 Vertical Scabs

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

28PB Wave Piggyback Plate

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

Trusses require extreme care in fabricating, handling, shipping, installing interioring. Refer to an follow the latest edition of BCSI (Buldling Component Safety Information, by TPI and SBCA) for so ety practices prior to performing these functions. Installers shall provide temporary bracing pe BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bot on chords shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or BIO, as applicable. Apply plates to each of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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

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

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

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



IREF PIGGYBACK 01/02/2018 DATE

DRWG PB160160118

SPACING 24.0"

13723 Riverport Drive Suite 200 Maryland Heights, MO 63043

Valley Detail - ASCE 7-16: 180 mph, 30' Mean Height, Partially Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better. Bot Chord 2x4 SP #2N or SPF #1/#2 or better. Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

** Attach each valley to every supporting truss with: 535# connection or with (1) Simpson H2.5A or equivalent connector for

ASCE 7-16 180 mph. 30' Mean Height, Part. Enc. Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00Πr

ASCE 7-16 160 mph. 30' Mean Height, Part. Enc. Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

All plates shown are Alpine Wave Plates.

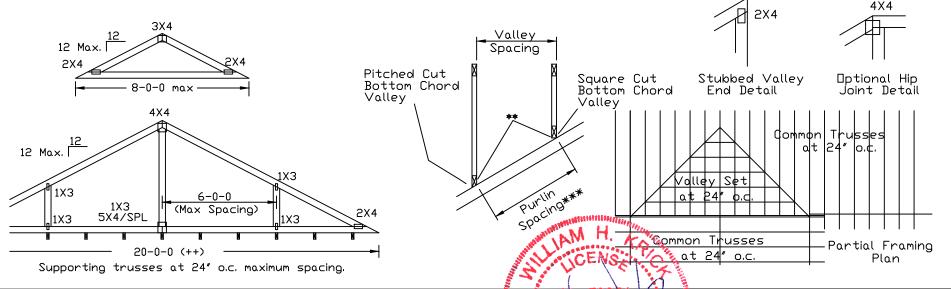
Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracina as shown in DRWG BRCLBANC1014.

Top chord of truss beneath valley set must be braced with: properly attached, rated sheathing applied prior to valley truss installation.

Purlins at 24" o.c. or as otherwise specified on engineer's sealed design

By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

- *** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.
- ++ Larger spans may be built as long as the vertical height does not exceed 14'-0''.



514 Earth City Expressway Suite 242 Earth City, MO 63045

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

Trusses require extreme care in fabricating, handling, shipping, installing and nacing. Refer o and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for affety practices prior to performing these functions. Installers shall provide temporary bracing per CSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and botto chord shall have a properly attached rigid celling. Locations shown for permanent lateral restraint of velocities and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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

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

No. 7	0861	Y	1	IC	·LL	30	30	40PSF	REF	VALLEY DETA
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COL	بيلاا	(G)	Marine Control	וםד	Γ. LD.	60	55	57PSF		
**************************************	278m	09/	/18/2021	DUR.	FAC. 1.25	5/1.33	1.15	1.15		
	9444			SPA	ACING		24.	0"		

VALLEY DETAIL

Valley Detail - ASCE 7-16: 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better. Bot Chord 2x4 SP #2N or SPF #1/#2 or better. Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

** Attach each valley to every supporting truss with: (2) 16d box (0.135" \times 3.5") nails toe-nailed for ASCE 7-16, 30' Mean Height, Enclosed Building, Exp. C. Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on supporting truss material at connection location: 170 mph for SP (G = 0.55, min.), 155 mph for DF-L (G = 0.50, min.), or 120 mph for HF & SPF (G = 0.42, min.).

Maximum top chord pitch is 10/12 for supporting trusses below valley trusses.

Bottom chord of valley trusses may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

All plates shown are Alpine Wave Plates.

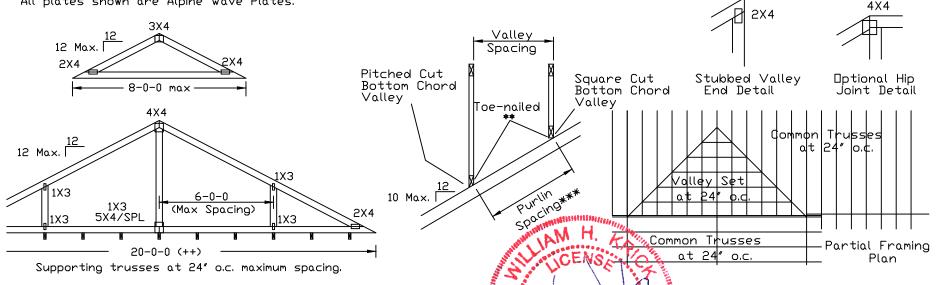
Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box $(0.128" \times 3.0")$ nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

Top chord of truss beneath valley set must be braced with: properly attached, rated sheathing applied prior to valley truss installation.

Purlins at 24" o.c. or as otherwise specified on engineer's sealed design

By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design

- *** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.
- ++ Larger spans may be built as long as the vertical height does not exceed 14'-0''.





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

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TC LL 30 40 PSF REF VALLEY DETAIL 30 TC DI 20 15 l 7PSF DATE 01/26/2018 BC DI 10 l10 l10 PSFlDRWG VALTN160118 0 PSF BC II 0 |

TOT. LD. 60 155157PSF

DUR.FAC. 1.25/1.33 1.15 1.15 SPACING 24.0"