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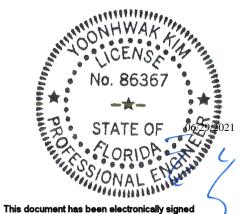
Site Information:	Page 1:	
Customer: W. B. Howland Company, Inc.	Job Number: 21-5558	
Job Description: Nottingham		
Address:		

Job Engineering Criteria:			
Design Code: FBC 7th Ed. 2020 Res	IntelliVIEW Version: 20.01.01A through 21.01.01A		
	JRef #: 1X6O2150005		
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00		
Building Type: Closed			

This package contains general notes pages, 48 truss drawing(s) and 6 detail(s).

Item	Drawing Number	Truss
1	180.21.0858.41761	A01
3	180.21.0858.41621	A03
5	180.21.0858.42558	A05
7	180.21.0858.41824	A07
9	180.21.0858.41887	A09
11	180.21.0858.42091	A11
13	180.21.0858.41980	A13
15	180.21.0858.41451	A15
17	180.21.0858.41699	B01
19	180.21.0858.41903	B03
21	180.21.0858.41527	B05
23	180.21.0858.41636	C02
25	180.21.0858.42090	D02
27	180.21.0858.41449	G02
29	180.21.0858.42152	G04
31	180.21.0858.41792	G06
33	180.21.0858.42277	G08
35	180.21.0858.42339	HJ02
37	180.21.0858.41387	J02
39	180.21.0858.41559	J04
41	180.21.0858.42404	J06
43	180.21.0858.42247	J08
45	180.21.0858.42058	J10
47	180.21.0858.41450	V02
49	A14015ENC160118	
51	BRCLBSUB0119	

Item	Drawing Number	Truss
2	180.21.0858.42511	A02
4	180.21.0858.41856	A04
6	180.21.0858.42293	A06
8	180.21.0858.42089	A08
10	180.21.0858.42168	A10
12	180.21.0858.41730	A12
14	180.21.0858.41701	A14
16	180.21.0858.42464	A16
18	180.21.0858.42590	B02
20	180.21.0858.42419	B04
22	180.21.0858.41919	C01
24	180.21.0858.41949	D01
26	180.21.0858.41933	G01
28	180.21.0858.42200	G03
30	180.21.1359.32997	G05
32	180.21.0858.42169	G07
34	180.21.0858.41464	HJ01
36	180.21.0858.42403	J01
38	180.21.0858.42450	J03
40	180.21.0858.41667	J05
42	180.21.0858.41700	J07
44	180.21.0858.42248	J09
46	180.21.0858.42465	V01
48	180.21.0858.41433	V03
50	A14030ENC160118	
52	GBLLETIN0118	





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Site Information:	Page 2:	
Customer: W. B. Howland Company, Inc.	Job Number: 21-5558	
Job Description: Nottingham		
Address:		

Item	Drawing Number	Truss	Item	Drawing Number	Truss
53	VAL180160118		54	VALTN160118	

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.

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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.

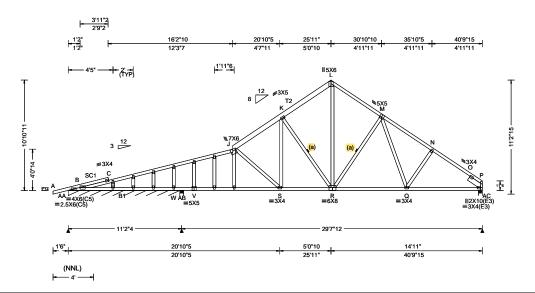
VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment. W = Width of non-hanger bearing, in inches.

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.



Loading	Criteria (psf)	Wind Criteria	Snow Cri	teria (Pg	,Pf in PSF)	Defl/CSI Cr	iteria			
TCLL:	20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection	on in	loc L	/defl	L/#
TCDL:	10.00		Pf: NA		Ce: NA	VERT(LL):	0.22	3 T	999	240
BCLL:	0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL):	0.45	7 T	778	180
BCDL:	10.00	Risk Category: II	Snow Dur	ation: NA	1	HORZ(LL):	0.066	6 O	-	-
Des Ld:	40.00	EXP: C Kzt: NA				HORZ(TL):	0.13	5 O	-	-
NCBCLL:	10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building C	Code:		Creep Facto	or: 2.0			
Soffit:	2.00	BCDL: 5.0 psf	FBC 7th E	d. 2020 I	Res.	Max TC CS	l: 0	.622		
Load Dura	ation: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std:	2014		Max BC CS	l: 0	.893		
Spacing:	24.0 "	C&C Dist a: 4.08 ft	Rep Fac:	Yes		Max Web C	SI: 0	.694		
'		Loc. from endwall: not in 6.50 ft	FT/RT:20	(0)/10(0)						
		GCpi: 0.18	Plate Type	e(s):						
		Wind Duration: 1.60	WAVE			VIEW Ver: 2	20.01.	01A.0)724.	11

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP 2400f-2.0E; Bot chord: 2x4 SP #2; B1 2x4 SP M-31; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #2; Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.626'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

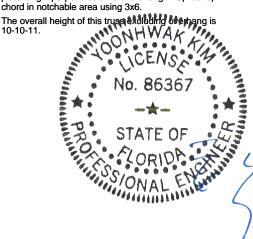
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS 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.



▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL AA*84 /39 /26 AB 1175 /-/646 /191 /-AC 1425 /853 /-554 Wind reactions based on MWFRS AA Brg Width = 131 Min Req = AB Brg Width = 4.5 Min Req = 1.5Min Req = 1.7 AC Brg Width = 4.5 Bearings AA, AB, & AC are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

B - C C - J	321 - 2512 304 - 2542	L - M M - N	361 - 1474 370 - 1851
J - K	338 - 2085	N - O	335 - 1986
K-L	361 - 1465	O - P	328 - 2082

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.c	omp.	Choras	rens. (Jomp.
B - V	4833	- 311	R - Q	1398	- 99
V - S	2414	- 156	Q-P	1554	- 205
S - R	1653	- 94			

Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	vvebs	rens. (Jomp.	_
J-S	77 - 971	L-R	1218	- 263	
S - K	748 - 10	R - M	202	- 430	
K - R	195 - 897				

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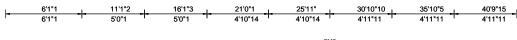
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

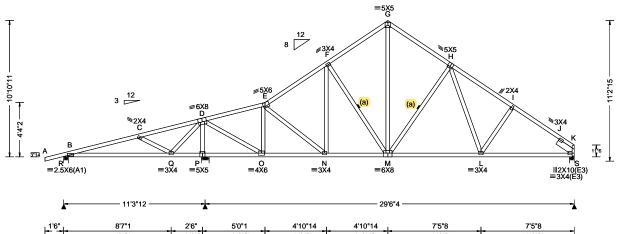
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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: 313686 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T17 / FROM: CDM DrwNo: 180.21.0858.42511 Qty: 1 Nottingham Truss Label: A02 CS / YK 06/29/2021





21'0"1

25'11'

TCDL: 10.00 Speed: 130 mph Pf: NA Ce: NA VERT(LL): 0.059 M 999 240 Ce: NA VERT(LL): 0.059 M 999 240	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
Maximum Top Chord For	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	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: 4.08 ft Loc. from endwall: not in 6.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.059 M 999 240 VERT(CL): 0.123 M 999 180 HORZ(LL): 0.025 J HORZ(TL): 0.052 J Creep Factor: 2.0 Max TC CSI: 0.532 Max BC CSI: 0.717 Max Web CSI: 0.687	Gravity Loc R+ / R- / Rh / R 405 /- /- /- P 1954 /- /- /- S 1187 /- /- Wind reactions based on MWF R Brg Width = 4.5 Mi P Brg Width = 7.5 Mi S Brg Width = 4.5 Mi Bearings R, P, & S are a rigid of Members not listed have forces Maximum Top Chord Forces

11'1"2

ı	umbor	

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

Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.626'

(a) Continuous lateral restraint equally spaced on member

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

Р	1954	/-	/-	/1081	/348	/-
S	1187	/-	/-	/725	/180	/-
Wii	nd rea	ctions	based o	n MWFRS		
R	Brg \	Nidth:	= 4.5	Min Re	q = 1.5	;
Р	Brg \	Nidth:	= 7.5	Min Re	q = 2.3	}
S	Brg \	Nidth :	= 4.5	Min Re	q = 1.5	;
Bea	arings	R, P,	& S are	a rigid surfa	ce.	
Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)						
Ch	ords '	Tens.C	Comp.	Chords	Tens.	Comp.
C -	D	1/16	- 136	G - H	3/17	- 1065

Non-Gravity

/RL

/294

/Rw /U

/153

Chards Tens Comp

C - D	446 - 136	G-H	347 - 1	065
D-E	215 - 941	H - I	359 - 1	478
E-F	316 - 1266	I - J	324 - 1	611
F-G	350 - 1059	J - K	317 - 1	706

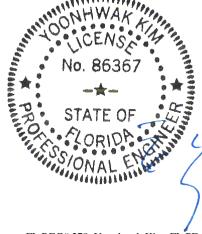
Maximum Bot Chord Forces Per Ply (lbs)

Cilolus	rens.comp.		Onorda	i ciio. V	Julip.
Q-P	201	- 759	N - M	982	- 68
P - O	206	- 783	M - L	1073	- 91
O - N	938	- 121	L-K	1257	- 196

Chords

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
 C-Q	253 - 509	O-E	213 - 822
Q - D	555 - 93	G - M	770 - 250
D-P	444 - 1910	M - H	206 - 463
D - O	1804 - 308		



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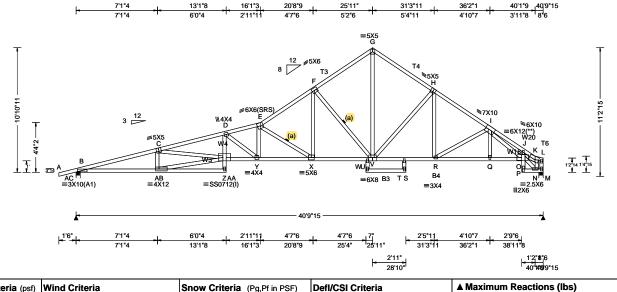
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 313723 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T28 / FROM: CDM Qty: 5 DrwNo: 180.21.0858.41621 Nottingham Truss Label: A03 CS / YK 06/29/2021



No. 8'

Loading Criteria (psf) Wind Crite	eria Snow C	riteria (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: 13			Ce: NA	VERT(LL): 0.575	Y 848	240
BCLL: 0.00 Enclosure:	Lu. INA	Cs: NA		VERT(CL): 1.179	Y 414	180
BCDL: 10.00 Risk Cate	, i i i i i i i i i i i i i i i i i i i	uration: NA		HORZ(LL): 0.226	6 M -	-
Des Ld: 40.00 EXP: C				HORZ(TL): 0.462	2 M -	-
NCBCLL: 10.00 Mean Height TCDL: 5.0	ht: 15.00 ft pef Building	Code:		Creep Factor: 2.0		
Soffit: 2.00 BCDL: 5.0	' IEBC 7th	Ed. 2020 R	Res.	Max TC CSI: 0.	660	
l l	rarallel Dist: h/2 to h	2014		Max BC CSI: 0.	670	
Spacing: 24.0 " C&C Dist a	a: 4.08 ft Rep Fac	: Yes		Max Web CSI: 0.	906	
Loc. from e	endwall: not in 13.00 ft FT/RT:2	0(0)/10(0)				
G(Cpi: 0.18 Plate Ty	pe(s):				
Wind Dura	tion: 1.60 WAVE,	18SS		VIEW Ver: 20.01.0)1A.0724.	.11

Lumber

Top chord: 2x4 SP M-31; T3,T4,T6 2x4 SP #2; Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2; Webs: 2x4 SP #3; W3,W4 2x4 SP M-31; W18, W20 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member

Plating Notes

All plates are 2X4 except as noted.

- (I) plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.
- (**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-10-11

LATERALLY BRACE BC ABOVE FILLER AT 24"

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL AC 1775 /-/943 /321 /290 M 1694 /-/-/954 /273 /-Wind reactions based on MWFRS AC Brg Width = 4.5 Min Rea = 1.5M Brg Width = 4.5 Min Rea = 1.5Bearings AC & N are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1224 - 5564 503 - 2119 C-D 1493 - 7021 H - I 515 - 2616 D-E 1170 - 5625 I - J 932 - 5158 E-F 716 - 3518 J - K 850 - 4948 F-G 505 - 2117

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. (Comp.
B -AB	5354 - 1230	U - T	2084	- 254
Z - Y	6863 - 1440	T-R	2084	- 257
Y - X	5354 - 1020	R-Q	2644	- 417
X - V	2810 -410	Q - O	2654	- 421
V - U	2809 - 407			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Ťens.	Comp.
C -AB	304 - 900	G - U	1907	- 412
C-Z	1439 - 322	U - H	209	- 600
AB- Z	5132 - 1188	H-R	442	- 33
Z - D	1286 - 257	R - I	182	- 625
D - Y	548 - 1849	I - O	2214	- 406
Y - E	906 - 237	0 - P	678	- 108
E - X	723 - 3001	0 - K	4015	- 677
X - F	1795 - 353	K - N	305	- 1736
F-U	426 - 1752	L - M	106	- 625

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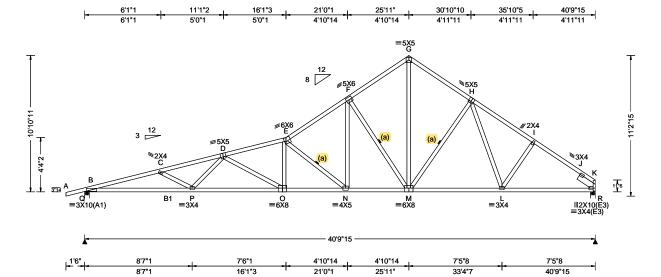
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 313681 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T21 / FROM: CDM DrwNo: 180.21.0858.41856 Qty: 1 Nottingham Truss Label: A04 CS / YK 06/29/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	s)
TCLL: 20.00	Wind Std: ASCE 7-16	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.438 O 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.898 O 543 180	Q 1775 /- /-	/943 /111 /294
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.101 J	R 1696 /- /-	/967 /16 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.207 J	Wind reactions based on M	WFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	J	Min Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.815	3	Min Req = 2.0
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.967	Bearings Q & R are a rigid s	
Spacing: 24.0 "		Rep Fac: Yes	Max Web CSI: 0.880	Members not listed have for Maximum Top Chord Ford	
' "	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		-	hords Tens. Comp
		Plate Type(s):		Chords Tens.Comp. C	norus rens. Comp
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11		- H 492 - 192
		1		^J C - D 1122 - 5254 H	- 493 -227

Lumber

Top chord: 2x4 SP #2;

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

Webs: 2x4 SP #3;

Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.626'

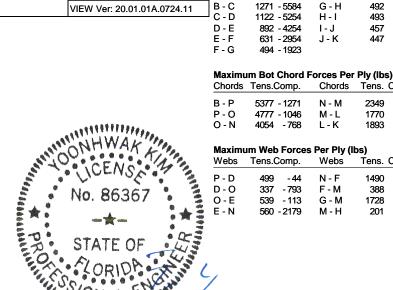
(a) Continuous lateral restraint equally spaced on member

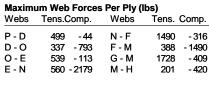
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is





457 - 2413

Tens. Comp.

- 332

- 207

- 302

2349

1770

1893

492 - 1929

493 - 2278

447 - 2509

H - I

I - J

J - K

Chords

N - M

M - L

L-K

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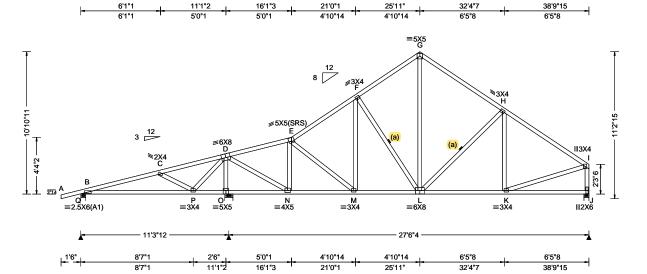
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 313659 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T22 / FROM: CDM DrwNo: 180.21.0858.42558 Qty: 1 Nottingham Truss Label: A05 CS / YK 06/29/2021



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): 0.041 M 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.087 M 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 J	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.019 P	
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: 0.568	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.572	
Spacing: 24.0 "	C&C Dist a: 3.88 ft	Rep Fac: Yes	Max Web CSI: 0.623	
	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: 20.01.01A.0724.11	
Lumber				_

	▲ IV	ıaxımı	ım Kea	ictions (IDS)			
	Gravity			Non-Gravity				
)	Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
)	Q	422	/-	/-	/174	/92	/287	
	o	1830	/-	/-	/1013	/47	/-	
	J	1112	/-	/-	/655	/3	/-	
	Wir	nd read	ctions b	ased on	MWFRS			
	Q	Brg V	Vidth =	4.5	Min Re	q = 1.5	5	
	0	Brg V	Vidth =	7.5	Min Re	q = 2.2	2	
	J	Brg V	Vidth =	4.5	Min Re	q = 1.5	5	
	Bea	arings	Q, O, 8	J are a	rigid surfac	ce.		
	Ме	mbers	not list	ed have t	forces less	than	375#	
	Ma	ximun	Top (Chord Fo	rces Per	Ply (lb	os)	
	Cho	ords 1	Tens.Co	omp.	Chords	Tens.	Comp.	

D - E - 984 188 - 923 G - H 312 Ĥ-I E-F 286 - 1177 242 - 1198 F-G 321 - 942

Bracing

Top chord: 2x4 SP #2;

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

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

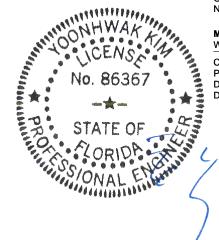
The overall height of this truss excluding overhang is 10-10-11.



Chords	Tens.Comp.		Chords	Tens. (Comp.
P - O	174	- 632	M - L	905	- 91
O - N	180	- 655	L-K	921	- 120
N - M	914	- 143			

Maximum Web Forces Per Ply (lbs)

AA GD2	rens.comp.	Mena	rens. Comp.
C - P	254 - 508	N - E	203 - 736
P - D	553 - 93	G-L	610 - 200
D - O	438 - 1786	K - I	928 - 109
D - N	1635 - 291	l - J	216 - 1059



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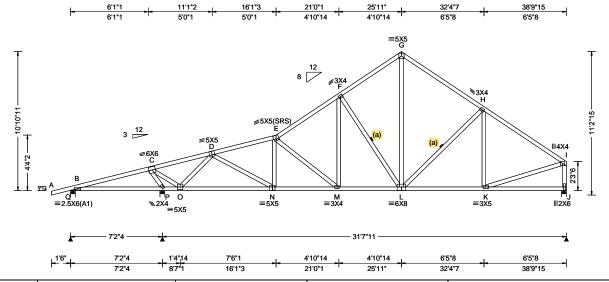
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 313651 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T23 / FROM: CDM DrwNo: 180.21.0858.42293 Qty: 3 Nottingham Truss Label: A06 CS / YK 06/29/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	ı
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.096 M 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.188 M 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.022 J	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.043 J	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.676	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.643	
Spacing: 24.0 "	C&C Dist a: 3.88 ft	Rep Fac: Yes	Max Web CSI: 0.796	
-	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: 20.01.01A.0724.11	
Lametra		•	•	-

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Loading

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-10-11.

DefI/CSI Criteria		▲ Maximum Reactions (Ib			bs)			
PP Deflection in loc L/defl L	/#		G	ravity	•	No	n-Gra	vity
	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
VERT(CL): 0.188 M 999	180	Q	255	/-54	/-	/57	/88	/287
HORZ(LL): 0.022 J -	-	Р	1954	/-	/-	/1031	/44	/-
HORZ(TL): 0.043 J -	-	J	1383	/-	/-	/736	/8	/-
Creep Factor: 2.0		Win	d read	tions ba	ased on I	MWFRS		
Max TC CSI: 0.676		Q	9		4.5	-		
Max BC CSI: 0.643		Р				Min Re		
Max Web CSI: 0.796		J	Brg W	/idth = -	4.5	Min Re	q = 1.0	6
Max Web CSI: 0.796		Bea	rings (Q, P, &	J are a ri	igid surfac	e.	
		Mer	nbers	not liste	ed have f	orces less	than	375#
		Max	cimum	Top C	hord Fo	rces Per	Ply (lk	s)
VIEW Ver: 20.01.01A.0724.11	1	Cho	ords T	ens.Co	mp.	Chords	Tens.	Ćom

B-C	797 - 176	F-G	367	- 1291
D-E	374 - 2035	G - H	358	- 1332
E-F	381 - 1810	H - I	281	- 1538

/RL

/287

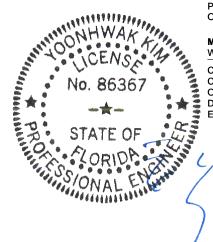
Tens. Comp.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
B - P	143 - 752	N - M	1964 - 319	
P - O	322 - 1595	M - L	1419 - 167	
O - N	1159 - 259	L-K	1204 - 152	

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	webs	rens. (Jomp.
C-P	489 - 1972	M - F	598	- 97
C - O	2089 - 374	F-L	235	- 752
O - D	384 - 1602	G-L	995	- 252
D - N	924 - 130	K - I	1225	- 143
E - M	219 - 692	I - J	247	- 1336



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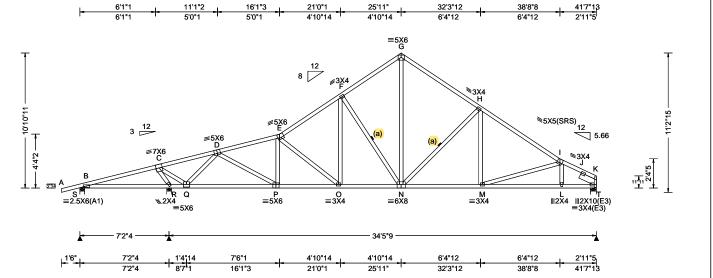
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SEQN: 313691 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T31 / FROM: CDM DrwNo: 180.21.0858.41824 Qty: 1 Nottingham Truss Label: A07 CS / YK 06/29/2021



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/#	l
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.122 O 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.251 O 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.044 J	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.090 J	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.803	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.703	
Spacing: 24.0 "	C&C Dist a: 4.16 ft	Rep Fac: Yes	Max Web CSI: 0.851	
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	I
Lumber				-

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL s 232 /-113 /21 /292 R 2070 /-/1138 /42 /-1376 /-/822 /10 Wind reactions based on MWFRS Brg Width = 4.5 Min Req = 1.5 Brg Width = 4.5 Min Req = 2.1 Brg Width = 5.7 Min Req = 1.6Bearings S, R, & T 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.

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

Webs: 2x4 SP #3; Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.500'

(a) Continuous lateral restraint equally spaced on member

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



Maximum Bot Chord Forces Per Ply (lbs)

Cilolus	rens.comp.	Ciloius	i ciio. V	Jonnp.
B - R	217 - 972	O - N	1468	- 160
R - Q	396 - 1868	N - M	1516	- 189
Q - P	1088 - 226	M - L	1797	- 320
P - O	1986 - 315	L-K	1797	- 316

Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	webs	rens. c	Jomp.
C-R	513 - 2089	E-O	226	- 660
C - Q	2235 - 403	0 - F	514	- 102
Q - D	411 - 1729	F-N	238	- 684
D - P	1029 - 156	G - N	1113	- 300
P - E	144 - 390	N - H	235	- 601

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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

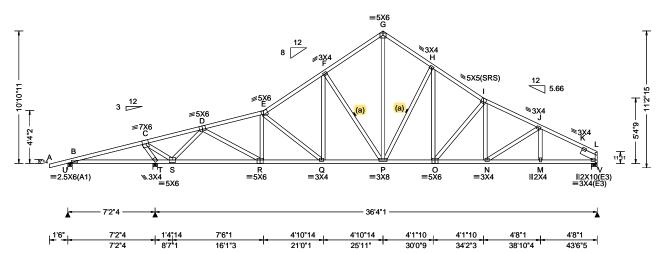
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SEQN: 313676 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T14 / FROM: CDM DrwNo: 180.21.0858.42089 Qty: 1 Nottingham Truss Label: A08 CS / YK 06/29/2021





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16		PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.157 O 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.321 O 999 180	ι
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.064 K	٦
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.131 K	١
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	١
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.899	ا ا ا
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.779	Ц
Spacing: 24.0 "	C&C Dist a: 4.35 ft	Rep Fac: Yes	Max Web CSI: 0.916	Ė
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		<u> </u>
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	(
Lumber				

▲ Maximum Reactions (lbs)

	G	ravity	•	No	n-Grav	/ity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
U	207	/-161	/-	/5	/106	/286
Т	2199	/-	/-	/1203	/43	/-
V	1439	/-	/-	/866	/17	/-
Wir	nd read	tions ba	sed on I	MWFRS		
U	Brg V	Vidth = 4	.5	Min Red	q = 1.5	;
Т	Brg V	Vidth = 4	.5	Min Red	q = 2.2	!
٧	Brg V	Vidth = 5	.7	Min Red	q = 1.7	•
Bearings U, T, & V are a rigid surface.						
Mei	Members not listed have forces less than 375#					
Maximum Top Chord Forces Per Ply (lbs)						
				Chords		

Cilolus	rens.comp.	Cilolus	rens. Comp.
B - C	1203 - 235	H-I	490 - 1937
D-É	463 - 2152	i - J	515 - 2234
E-F	456 - 1998	J - K	508 - 2331
F-G	446 - 1533	K-L	505 - 2413

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

(a) Continuous lateral restraint equally spaced on member

Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.500'

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



450 - 1512

G-H

Cnoras	rens.Comp.	Cnoras	rens. (Jomp.
B - T	262 - 1145	P-0	1530	- 159
T - S	483 - 2104	O - N	1974	- 321
S - R	1083 - 226	N - M	1996	- 400
R - Q	2085 - 339	M - L	1999	- 399
Q - P	1580 - 183			

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	vvebs	rens. C	∍omp.
C-T	557 - 2225	Q-F	506	- 101
C-S	2404 - 457	F-P	243	- 687
S - D	458 - 1870	G - P	1314	- 374
D - R	1144 - 174	P - H	276	- 714
R - E	153 - 449	H-0	615	- 168
Æ - Q	231 - 643	0-1	269	- 692

FL REG# 278, Yoonhwak Kim, FL PE #86367 06/29/2021

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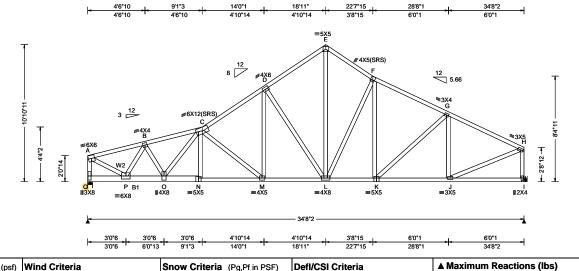
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PRINT PRINT



SEQN: 379919 / COMN Ply: 2 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T32 / Qty: 1 FROM: CDM DrwNo: 180.21.0858.41887 Nottingham Truss Label: A09 CS / YK 06/29/2021

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria			
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.155 M 999 240			
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.311 M 999 180			
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.045 B			
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.090 B			
NCBCLL: 0.00	Mean Height: 15.57 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: 0.489			
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.876			
Spacing: 24.0 "	C&C Dist a: 3.47 ft	Rep Fac: No	Max Web CSI: 0.955			
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)				
	GCpi: 0.18	Plate Type(s):				
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20			

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; B1 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W2 2x4 SP #2;

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @10.00" 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) 0.00 to 61 plf at TC: From 61 plf at 64 plf at 9.10 to 64 plf at 22.66 TC: From TC: From 62 plf at 22.66 to 62 plf at 34.68 BC: From BC: From 10 plf at 0.00 to 10 plf at 6.04 6.04 to 20 plf at 20 plf at 34.68 579 lb Conc. Load at 0.69, 2.69, 4.69

BC: 3484 lb Conc. Load at 6.04

Hangers / Ties

(J) Hanger Support Required, by others

Wind loads and reactions based on MWFRS.

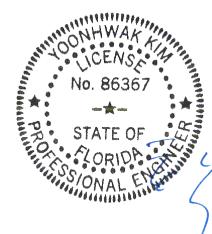
End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

10-10-11.

Additional Notes

The overall height of this truss excluding overhang is



Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Q 5850 /-/754 /-/-/-/-2170 /324 Wind reactions based on MWFRS Brg Width = 4.5a Min Rea = 2.4Brg Width = -Min Reg = -Bearing Q is a rigid surface.

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

Chords Tens.Comp. Chords Tens. Comp. 408 - 3330 201 - 1402 B - C 543 - 4493 F-G 212 - 1427 C-D 317 - 2326 G-H 193 - 1266

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	comp.	Chords	Tens. (Comp.
P - O	3878	- 479	M - L	1863	- 247
O - N	3572	- 450	L-K	1253	- 177
N - M	3568	- 451	K - J	1132	- 167

Maximum Web Forces Per Ply (lbs)

205 - 1417

D-E

webs	Tens.Comp.	webs	Tens. Comp.	
A - Q	338 - 2654	M - D	1430 - 138	;
A - P	3666 - 443	D-L	165 - 1309)
P - B	191 - 1425	E-L	1380 - 160)
B - O	970 - 85	G-J	100 - 391	
O-C	1271 - 115	J - H	1195 - 174	
C - M	262 - 2180	H - I	173 - 1060)

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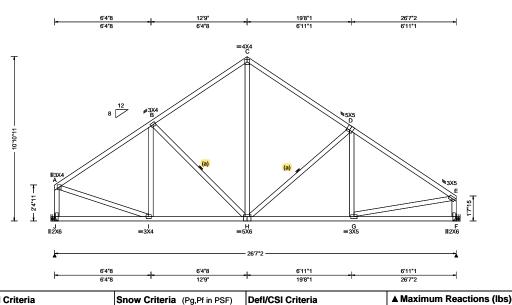
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 313679 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T26 / FROM: CDM DrwNo: 180.21.0858.42168 Qty: 1 Nottingham Truss Label: A10 CS / YK 06/29/2021



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): 0.035 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.073 H 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.028 B
NCBCLL: 10.00	Mean Height: 15.37 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.644
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.645
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.382
	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: 20.01.01A.0724.11

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

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

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

Bearing at location x=0'

uses the following

support conditions: 0'
Bearing J (0', 9'1"2) LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting member, (4) 0.148"x3" nails into supported

member (J) Hanger Support Required, by others

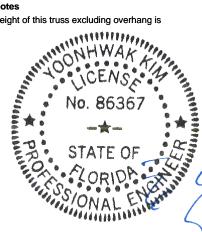
Wind

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

End verticals not exposed to wind pressure. Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-10-11.



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

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



Non-Gravity

/RL

/255

/-

Tens. Comp.

Chords Tens. Comp.

1024

194

985

220 - 1060

Tens. Comp.

- 395

- 106

315 - 1004

262 - 1333

/Rw /U

Min Rea = -

Min Rea = -

/633

/648

Chords

C - D

D-E

H-G

Webs

H-D

G - E

E-F

Gravity

/-

Brg Width = -

Brg Width = -

Chords Tens.Comp.

Chords Tens.Comp.

907

Tens.Comp.

591

222 - 1065

921 - 114

/R

/Rh

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

Maximum Bot Chord Forces Per Ply (lbs)

Maximum Web Forces Per Ply (lbs)

- 178

/-

Wind reactions based on MWFRS

245 - 1180

319 - 991

Loc R+

A - B

B - C

Webs

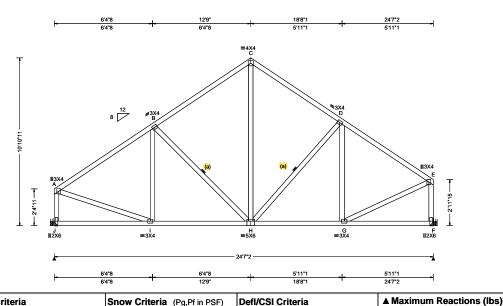
A - J

C-H

1117 /-

1117

SEQN: 313694 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T37 / FROM: CDM DrwNo: 180.21.0858.42091 Qty: 1 Nottingham Truss Label: A11 CS / YK 06/29/2021



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): 0.025 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.053 H 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.020 B
NCBCLL: 10.00	Mean Height: 15.73 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: 0.548
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.540
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.361
	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: 20.01.01A.0724.11
Lumber		Wind	

Wind

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

End verticals not exposed to wind pressure. Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-10-11.

Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 1033 /-/591 /160 /235 1033 /-/578 /164 /-Wind reactions based on MWFRS Brg Width = -Min Rea = -Brg Width = -Min Rea = -Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords A - B 225 - 1080 C - D 297 - 857 B - C 294 - 868 D-E 214 - 975

Maximum Bot Chord Forces Fer Fly (ibs)						
Chords	Tens.Comp.	Chords	Tens. Comp.			
I - H	824 - 128	H-G	744 - 103			

Maximum Web Forces Per Ply (lbs) Tens. Comp. Tens.Comp. Webs Webs 794 - 102 A - J 205 - 981 G-E 835 - 97 E-F 208 - 985

C-H

496 - 168

Hangers / Ties

Bracing

member.

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

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

(a) Continuous lateral restraint equally spaced on

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

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

Bearing at location x=0'

uses the following

support conditions: 0'
Bearing J (0', 9'1"2) LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting member, (4) 0.148"x3" nails into supported

member (J) Hanger Support Required, by others

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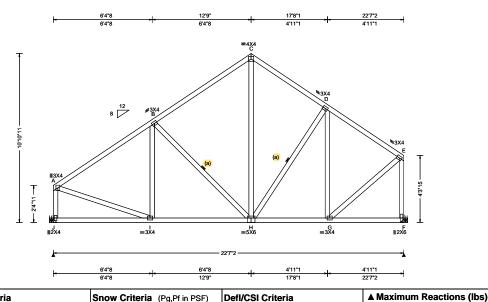
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SEQN: 313663 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T43 / FROM: CDM DrwNo: 180.21.0858.41730 Qty: 1 Nottingham Truss Label: A12 CS / YK 06/29/2021



L	oading C	Criteria (psf)	Wind Criteria	Snow Cri	teria (Pg	,Pf in PSF)	Defl/CSI Cr	iteria		
1	TCLL:	20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection	on in loc l	_/defl	L/#
1	CDL:		Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL):	0.019 B	999	240
E	BCLL:	0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL):	0.041 B	999	180
E	BCDL:	10.00	Risk Category: II	Snow Dur	ation: NA		HORZ(LL):	0.007 B	-	-
	Des Ld:	40 00	EXP: C Kzt: NA				HORZ(TL):	0.015 B	-	-
ŀ	NCBCLL:	10.00	Mean Height: 15.73 ft TCDL: 5.0 psf	Building C	ode:		Creep Facto	or: 2.0		
(Soffit:	2.00	BCDL: 5.0 psf	FBC 7th E	d. 2020 F	Res.	Max TC CS	l: 0.553		
IL	oad Dura		MWFRS Parallel Dist: h/2 to h	TPI Std:	2014		Max BC CS	I: 0.536		
(Spacing: 2		C&C Dist a: 3.00 ft	Rep Fac:	Yes		Max Web C	SI: 0.346		
			Loc. from endwall: not in 9.00 ft	FT/RT:20	(0)/10(0)					
			GCpi: 0.18	Plate Type	e(s):					
			Wind Duration: 1.60	WAVE			VIEW Ver: 2	20.01.01A.	0724.	11

Wind

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

End verticals not exposed to wind pressure. Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-10-11.

Loc R+ /R /Rh /Rw /U /RL J 949 /-/548 /139 /233 /-/521 /158 /-949 Wind reactions based on MWFRS Brg Width = -Min Rea = -Brg Width = -Min Rea = -Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords A - B 198 - 980 C - D 272 -710 B - C D-E 262 - 745 - 696

Non-Gravity

Gravity

Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.C	omp.	Chords	Tens. C	Comp.	
I-H	740	- 155	H-G	529	-81	

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.C	Comp.	Webs	Tens. (Comp.		
A - J	182	- 898	G-E	678	- 101		
A - I	749	- 73	E-F	196	- 911		
C - H	401	- 148					

member. Hangers / Ties

Top chord: 2x4 SP #2;

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

Lumber

Bracing

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

(a) Continuous lateral restraint equally spaced on

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

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

Bearing at location x=0'

uses the following

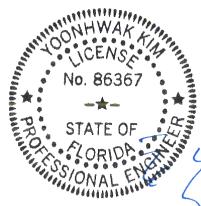
support conditions: 0'
Bearing J (0', 9'1"2) LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting

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

member

(J) Hanger Support Required, by others



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/29/2021

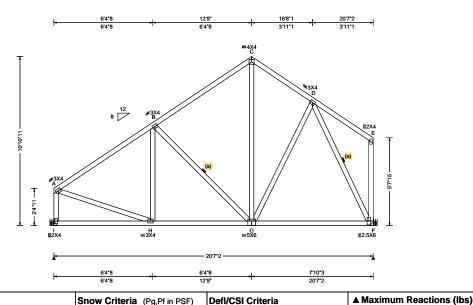
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SEQN: 313683 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T42 / FROM: CDM DrwNo: 180.21.0858.41980 Qty: 1 Nottingham Truss Label: A13 CS / YK 06/29/2021



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): 0.016 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.034 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.012 F
NCBCLL: 10.00	Mean Height: 15.73 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: 0.555
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.666
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.323
' "	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: 20.01.01A.0724.11

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 865 /505 /230 /-/502 865 /24 /-Wind reactions based on MWFRS Brg Width = -Min Rea = -Brg Width = -Min Rea = -Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords A - B 167 - 877 C - D 233 - 570 B - C 219 - 630

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Hangers / Ties

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

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

Bearing at location x=0'

uses the following

support conditions: 0' Bearing I (0', 9'1"2) LUS26

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

(4) 0.148"x3" nails into supporting

member,

(3) 0.148"x3" nails into supported

member

(J) Hanger Support Required, by others

Wind

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

End verticals not exposed to wind pressure. Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is 10-10-11.

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

654 - 178 H - G

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	vvebs	rens. C	omp.
A - I	156 - 811	D-F	162	- 778



FL REG# 278, Yoonhwak Kim, FL PE #86367

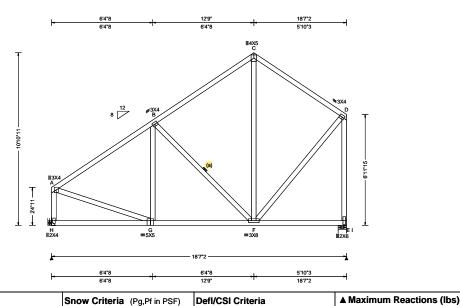
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SEQN: 313697 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T41 / FROM: CDM DrwNo: 180.21.0858.41701 Qty: 1 Nottingham Truss Label: A14 CS / YK 06/29/2021



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): 0.013 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.028 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.004 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.73 ft		HORZ(TL): 0.008 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: 0.535
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.469
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.668
	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: 20.01.01A.0724.11
Lumber		Wind	

Wind

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

End verticals not exposed to wind pressure. Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is 10-10-11

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL /460 781 /228 /-/484 /-781 /170 Wind reactions based on MWFRS Brg Width = н Min Rea = -Brg Width = 6.4 Min Reg = 1.5Bearing I is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 162 B - C 174 - 505

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

G - F

Maximum Web Forces Per Ply (lbs)						
Webs	Tens.C	omp.	Webs	Tens. (Comp.	
A - H	122	- 728	F-D	489	- 88	
A - G	567	-8	D-E	200	- 736	

member. Hangers / Ties

Bracing

Top chord: 2x4 SP #2;

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

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

(a) Continuous lateral restraint equally spaced on

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

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

Bearing at location x=0'

uses the following

support conditions: 0'
Bearing H (0', 9'1"2) LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting

member,

(3) 0.148"x3" nails into supported

member

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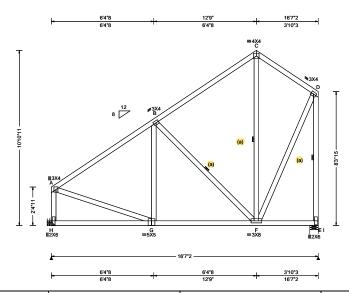
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 313671 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T40 / FROM: CDM DrwNo: 180.21.0858.41451 Qty: 1 Nottingham Truss Label: A15 CS / YK 06/29/2021



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): 0.012 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.025 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.005 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.73 ft		HORZ(TL): 0.008 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: 0.563
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.481
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.370
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11
1		144 . 1	

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Н 697 /-/413 /225 /-/468 /183 /-697 Wind reactions based on MWFRS Brg Width = н Min Reg = Brg Width = 6.4 Min Reg = 1.5Bearing I is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 188 - 677 B-C 210

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

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

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

Bearing at location x=0'

uses the following

support conditions: 0'
Bearing H (0', 9'1"2) LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting

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

Wind

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

End verticals not exposed to wind pressure. Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is 10-10-11

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. 485 - 353

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs A - H F-D 490 206 - 646 - 244 484 - 25 D-E 389 -672 A - G B-F - 388

351



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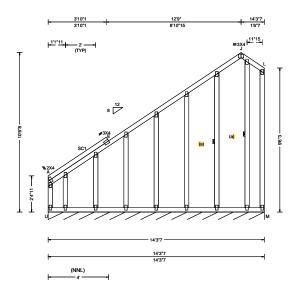
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SEQN: 313719 / GABL Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T39 / Qty: 1 FROM: CDM DrwNo: 180.21.0858.42464 Nottingham Truss Label: A16 CS / YK 06/29/2021



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF) Det	efI/CSI Criteria
TCLL: 20.00 Wind Std: ASC TCDL: 10.00 Speed: 130 mpl BCLL: 0.00 Enclosure: Close Risk Category: II EXP: C Kzt: NA Mean Height: 15. TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel C&C Dist a: 3.00 Loc. from endwal GCpi: 0. Wind Duration: 1	Pg: NA Ct: NA CAT: NA PF: NA Ce: NA Ce: NA VE NA Ce: NA Ce: NA VE NA Ce: NA VE NA Ce: NA Ce: NA VE NA Ce: NA Ce: NA VE NA Ce: NA Ce: NA VE NA Ce: NA Ce: NA VE NA Ce: NA VE NA Ce: NA Ce	Properties of the control of the con

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rw /U /RL M* 84 /-/-/44 Wind reactions based on MWFRS M Brg Width = 171 Min Req = -Bearing U 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;

Bracing

(a) Continuous lateral restraint equally spaced on member

Fasten rated sheathing to one face of this frame.

Plating Notes

All plates are 2X4 except as noted.

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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.

The overall height of this truss excluding overhang is



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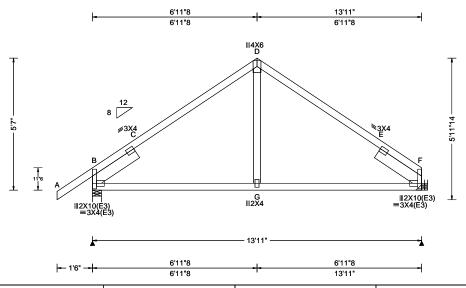
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

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

6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 313698 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T30 / Qty: 1 DrwNo: 180.21.0858.41699 FROM: CDM Nottingham Truss Label: B01 CS / YK 06/29/2021



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/#
1.0220.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.066 E 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.136 E 999 180
	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.052 E
Dec I d: 10 00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.104 E
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: 0.692
l	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.534
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.119
	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: 20.01.01A.0724.11

Lumber

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

Webs: 2x4 SP #3; Lt Slider: 2x6 SP 2400f-2.0E; block length = 2.259' Rt Slider: 2x6 SP 2400f-2.0E; block length = 2.259'

Hangers / Ties

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

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

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

Bearing at location x=13'8" uses the following support conditions: 13'8" Bearing F (13'8", 9'1"2) LUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (4) 0.148"x3" nails into supporting member, (3) 0.148"x3" nails into supported member.

Additional Notes

The overall height of this truss excluding overhang is

Wind

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

Wind loading based on both gable and hip roof types.

▲ Maxin	▲ Maximum Reactions (lbs)					
Gravity			Non-Gravity			
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
B 694	/-	/-	/430	/9	/162	
F 579	/-	/-	/338	/3	/-	
Wind rea	actions b	ased on	MWFRS			
B Brg	Width =	4.5	Min Re	q = 1.5		
F Brg	Width =	-	Min Re	q = -		
Bearing	B is a rig	id surfac	e.	•		
Member	s not list	ed have t	forces les	s than 3	375#	
Maximu	m Top C	hord Fo	rces Per	Ply (lbs	s)	
Chords	Tens.Co	omp.	Chords	Tens.	Ćomp.	
в-с	223	- 727	D-E	194	- 609	
C-D	-	- 614	Ē-F	266	- 753	

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords B - G 454 -60 G-F 454 -60



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/29/2021

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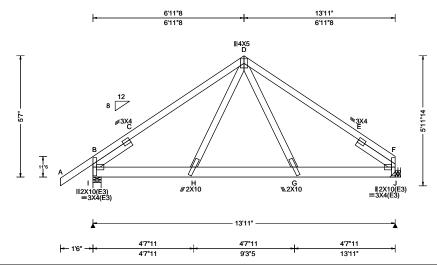
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SEQN: 379917 / COMN Ply: 2 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T38 / FROM: CDM Qty: 1 DrwNo: 180.21.0858.42590 Nottingham Page 1 of 2 Truss Label: B02 CS / YK 06/29/2021

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 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 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: No FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.035 G 999 240 VERT(CL): 0.069 G 999 180 HORZ(LL): 0.011 E HORZ(TL): 0.018 E Creep Factor: 2.0 Max TC CSI: 0.345 Max BC CSI: 0.344 Max Web CSI: 0.497	
Lumber	Willa Dalation. 1.00	WAVE	VIEW Ver. 21.01.01A.0321.20	_] C

▲ Maxi	mum Re	actions	(lbs)		
	Gravity		No	on-Grav	vity
Loc R-	+ /R-	/ Rh	/ Rw	/ U	/ RL
1 309	94 /-	/-	/-	/374	/-
J 348	34 /-	/-	/-	/365	/-
Wind re	actions	based on	MWFRS		
I Bro	Width:	= 4.5	Min Re	q = 1.5	;
J Br	Width:	= -	Min Re	q = -	
Bearing	lisari	gid surfac	e.	•	
Membe	rs not lis	ted have	forces less	s than 3	375#
Maxim	um Top	Chord F	orces Per	Ply (lb	s)
Chords	Tens.C	Comp.	Chords	Tens.	Ćomp.
в-с	223	- 1995	D-E	243	- 2124
C-D	212	- 1962	E-F	255	- 2157

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

Webs: 2x4 SP #3;

Slider: 2x4 SP #3; block length = 2.095' Rt Slider: 2x4 SP #3; block length = 2.095'

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 4.00" o.c. Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 64 plf at -1.50 to 64 plf at 13.92 BC: From BC: From 5 plf at 10 plf at -1.50 to 5 plf at 0.00 0.00 to 10 plf at 13.92 BC: 697 lb Conc. Load at 2.06 781 lb Conc. Load at 4.06 865 lb Conc. Load at 6.06 BC: 949 lb Conc. Load at 8.06 BC: 1033 lb Conc. Load at 10.06 BC: 1117 lb Conc. Load at 12.06

Wind

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

Additional Notes

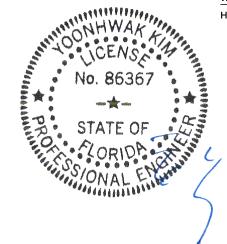
The overall height of this truss excluding overhang is

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
B - H H - G		- 164 - 140	G-F	1733	- 191

Maximum Web Forces Per Ply (lbs)

Vebs	Tens.C	omp.	Webs	Tens. (Comp.	
1 - D	975	- 58	D-G	1306	- 122	



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SEQN: 379917 / COMN Ply: 2 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T38 / FROM: CDM DrwNo: 180.21.0858.42590 Qty: 1 Nottingham Page 2 of 2 Truss Label: B02 CS / YK 06/29/2021

Hangers / Ties

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

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

Bearing at location x=13'8" uses the following support conditions: 13'8" Bearing J (13'8", 9'1"2) HGUS26-2 Supporting Member: (2)2x6 SP 2400f-2.0E (20) 0.148"x3" nails into supporting member. (6) 0.148"x3" nails into supported member.

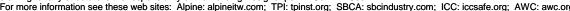


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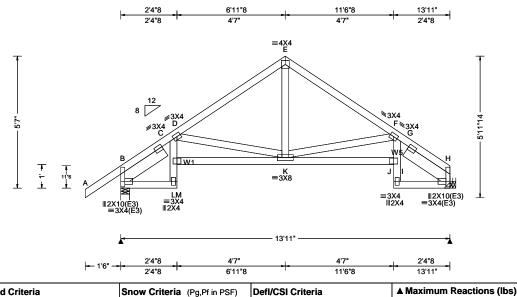
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SEQN: 313669 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T25 / FROM: CDM Qty: 2 DrwNo: 180.21.0858.41903 Nottingham Truss Label: B03 CS / YK 06/29/2021



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): 0.059 K 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.122 K 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.090 I
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.186 I
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.371
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.423
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.546
' ' '	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: 20.01.01A.0724.11

Lumber

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

Nebs: 2x4 SP #s; W1,W5 2x4 SP M-31; Lt Slider: 2x6 SP 2400f-2.0E; block length = 2.259' Rt Slider: 2x6 SP 2400f-2.0E; block length = 2.259'

Hangers / Ties

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Bearing at location x=13'8" uses the following support conditions: 13'8" Bearing H (13'8", 9'1"2) LUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (4) 0.148"x3" nails into supporting member, (3) 0.148"x3" nails into supported

member. **Additional Notes**

The overall height of this truss excluding overhang is

Wind

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

Wind loading based on both gable and hip roof types.

Gravity

Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	694	/-	/-	/430	/116	/162
Н	579	/-	/-	/338	/89	/-
Wind reactions based on MWFRS						
В	Brg V	Vidth =	4.5	Min Re	q = 1.5	;

Non-Gravity

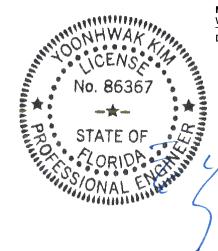
H Brg Width = -Min Rea = -Bearing B is a rigid surface.

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

B-C C-D	237 - 741	E-F	205	- 685
C-D	204 - 657	F-G	210	- 673
D - E	205 - 684	G - H	208	- 741

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - M 494 - 130 K - I 932 - 240 882 - 231 L-K J - H 521 - 135

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs 197 - 376 K-F 216 - 427



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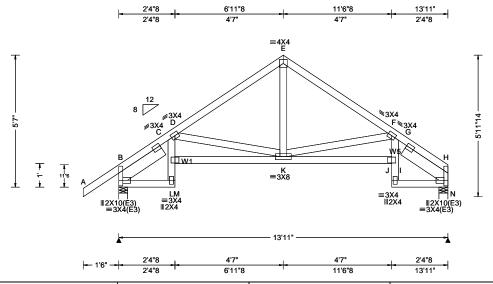
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SEQN: 313637 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T20 / FROM: CDM Qty: 2 DrwNo: 180.21.0858.42419 Nottingham Truss Label: B04 CS / YK 06/29/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	"	PP Deflection in loc L/defl L/# VERT(LL): 0.059 K 999 240 VERT(CL): 0.122 K 999 180 HORZ(LL): 0.090 l HORZ(TL): 0.186 l	L B V
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	TPI Std: 2014	Creep Factor: 2.0 Max TC CSI: 0.371 Max BC CSI: 0.423 Max Web CSI: 0.546	BNBNB
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	B

Lumber

Top chord: 2x4 SP #2;

Not chord: 2x4 SP #2; Webs: 2x4 SP #3; W1,W5 2x4 SP M-31; Lt Slider: 2x6 SP 2400f-2.0E; block length = 2.259' Rt Slider: 2x6 SP 2400f-2.0E; block length = 2.259'

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 5-7-0

▲ Maximum Reactions (lbs) Gravity Non-Gravity /Rh /Rw /U /RL В 694 /-/430 /116 /162 579 /-/-/338 /89 /-Wind reactions based on MWFRS Brg Width = 4.5Min Req = 1.5 Brg Width = 4.5 Min Req = 1.5 Bearings B & N are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C C - D 204 - 657 F-G 210 -673

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

B - M	494 -	130	K-I	932	- 240
L-K	882 -	231	J - H	521	- 135

G-H

208

- 741

Maximum Web Forces Per Ply (lbs)

205 - 684

D-E

vvebs	rens.comp.	vvebs	rens. Comp.	
D-K	197 - 376	K-F	216	- 427



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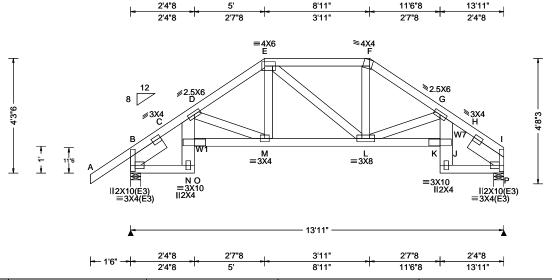
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SEQN: 313717 / HIPS Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T33 / FROM: CDM Qty: 1 DrwNo: 180.21.0858.41527 Nottingham Truss Label: B05 CS / YK 06/29/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.064 M 999 240	Loc R+ /R- /Rh /
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.130 M 999 180	B 1148 /- /- /-
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.076 J	P 1035 /- /- /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.154 J	Wind reactions based on MWF
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B Brg Width = 4.5 Mir
0.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.416	P Brg Width = 4.5 Mir
I	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.511	Bearings B & P are a rigid surfa
	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.494	Members not listed have forces
opusg. 2	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. Chord
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	B - C 367 - 1336 F - G C - D 347 - 1275 G - F

ı	umbo	

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

Webs: 2x4 SP #3; W1,W7 2x6 SP 2400f-2.0E; Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.500' Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.500'

Special Loads

ımber D	or.Fac.=1	.25 / Plate [Dur.Fac.=1.2	25)
rom	64 plf at	-1.50 to	64 plf at	5.00
rom	32 plf at	5.00 to	32 plf at	8.92
rom	64 plf at	8.92 to	64 plf at	13.92
rom	5 plf at	-1.50 to	5 plf at	0.00
rom	20 plf at	0.00 to	20 plf at	5.03
rom	20 plf at	8.88 to	20 plf at	13.92
199 lb C	Conc. Load	at 5.03		
	Conc. Load	dat 5.03, 8.	.88	
65 lb (Conc. Load	dat 6.96		
	rom rom rom rom rom 199 lb C 152 lb C 202 lb C	rom 64 plf at rom 32 plf at rom 64 plf at rom 5 plf at rom 20 plf at rom 10 plf at rom 20 plf at 199 lb Conc. Load 202 lb Conc. Load 229 l	rom 64 plf at -1.50 to rom 32 plf at 5.00 to rom 64 plf at 8.92 to rom 5 plf at -1.50 to rom 20 plf at 0.00 to rom 10 plf at 5.03 to rom 20 plf at 8.88 to 199 lb Conc. Load at 5.03 152 lb Conc. Load at 6.96 202 lb Conc. Load at 8.88 229 lb Conc. Load at 5.03, 8.	rom 32 plf at 5.00 to 32 plf at rom 64 plf at 8.92 to 64 plf at rom 5 plf at -1.50 to 5 plf at rom 20 plf at 0.00 to 20 plf at rom 10 plf at 5.03 to 10 plf at rom 20 plf at 8.88 to 20 plf at 199 lb Conc. Load at 5.03 152 lb Conc. Load at 6.96 202 lb Conc. Load at 8.88 229 lb Conc. Load at 5.03, 8.88

Purlins

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

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

Additional Notes

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

1148 /-/311 1035 /-/-/273 Wind reactions based on MWFRS Min Req = 1.5 Brg Width = 4.5

Non-Gravity

/RL

/Rw /U

Brg Width = 4.5 Min Req = 1.5 Bearings B & P are a rigid surface.

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

B - C	367 - 1336	F-G	498	- 1708
C - D	347 - 1275	G-H	354	- 1295
D - E	495 - 1709	H - I	375	- 1358
F-F	414 - 1436			

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Com	o. Choras	rens. (Jomp.
B - O	922 - 25	50 L-J	1746	- 481
N - M	1690 - 46	31 K-I	953	- 260
M - L	1417 - 40	9		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	omp.	Webs	Tens. C	Tens. Comp.	
F - M	431	- 47	I - F	445	- 53	



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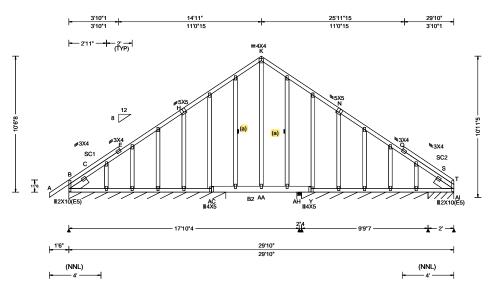
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SEQN: 379921 / GABL Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T48 / Qty: 1 FROM: CDM DrwNo: 180.21.0858.41919 Nottingham Truss Label: C01 CS / YK 06/29/2021



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): 0.006 AA 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.012 AA 999 180
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 M
Des Ld: 40.00 NCBCLL: 10.00	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	HORZ(TL): 0.005 M Creep Factor: 2.0
Load Duration: 1.25	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	FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	Max TC CSI: 0.389 Max BC CSI: 0.070 Max Web CSI: 0.158
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs), or *=PLF								
▲ IVId	Gravity Non-Gravity							
	G	iavily		INC	m-Grav	νity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
B* 1	14	/-	/-	/-	/22	/-		
AH 3	45	/-	/0	/-	/92	/-		
AH*7	4	/-	/-	/-	/8	/-		
Al* 1	22	/-	/-	/-	/32	/-		
Wind	reac	tions ba	ased on M	IWFRS				
ВЕ	3rg W	/idth = 1	146	Min Re	q = -			
AH E	3rg W	/idth = 4	4.5	Min Re	q = 1.5	5		
AH E	3rg W	/idth = 1	117	Min Re	q = -			
AI E	3rg W	/idth = 2	24.0	Min Re	q = -			
Bearings B, AH, AH, & U are a rigid surface.								
Meml	Members not listed have forces less than 375#							

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B2 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #2;

Stack Chord: SC2 2x4 SP #2; Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.500' Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.500'

(a) Continuous lateral restraint equally spaced on member.

Special Loads

(Lumber	Dur.Fac.=1	.25 / Plate [Our.Fac.=1.2	25)
TC: From	64 plf at	-1.50 to	64 plf at	13.85
TC: From	32 plf at	13.85 to	32 plf at	15.98
TC: From	64 plf at	15.98 to	64 plf at	29.83
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	13.85
BC: From	10 plf at	13.85 to	10 plf at	15.98
BC: From	20 plf at	15.98 to	20 plf at	29.83
BC: 74 lb	Conc. Load	at 13.85,1	5.98	

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 and reactions based on MWFRS.

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.



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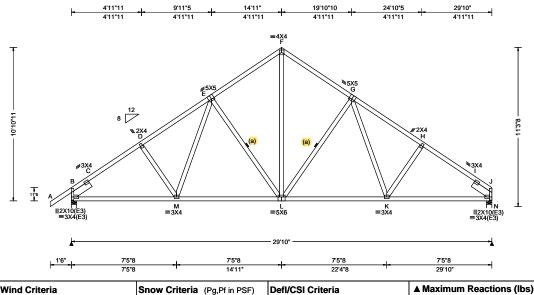
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SEQN: 313653 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T13 / FROM: CDM Qty: 6 DrwNo: 180.21.0858.41636 Nottingham Truss Label: C02 CS / YK 06/29/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	Ī
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 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: 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):	Defi/CSI Criteria	
Lumban	TTING BUILDIN: 1:00	WAVE	VIEW VOI. 20.01.017.0721.11	J

Lumber

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

Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.626' Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.626'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-10-11.

0.793	Maximum Top Chord Forces Per Ply (lbs)				
	Chords	Tens.Comp.	Chords	Tens. Co	
er: 20.01.01A.0724.11	B - C	515 - 2009	F-G	494 -	

515 - 2009 C - D 490 - 1917 G-H 531 - 1795 D-E 526 - 1783 495 - 1929 H - I 494 - 1347 485 - 2040

Members not listed have forces less than 375#

/Rh

/-

Wind reactions based on MWFRS Brg Width = 4.5

Bearings B & N are a rigid surface.

Non-Gravity

/222 /309

/196 /-

Tens. Comp.

/RL

/Rw /U

Min Req = 1.8

Min Req = 1.6

/821

/732

Gravity

Brg Width = 4.5

Loc R+

1491 /-

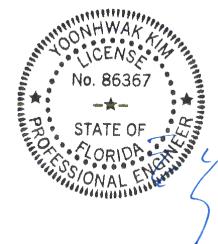
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В

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

M-L 1323 -187 K-J	1508 - 323						
Maximum Web Forces Per Ply (lbs)							

maximum vvcb i orocs i ci i iy (ibs)						
Webs	Tens.C	Comp.	Webs	Tens. (Comp.	
E-L	268	- 486	L-G	270	- 492	
F-L	1080	- 369				



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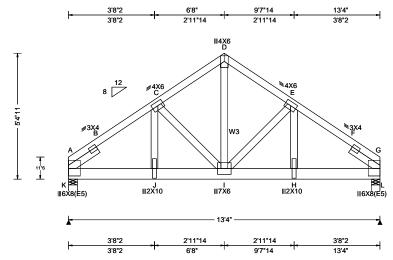
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SEQN: 379940 / COMN Ply: 2 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T7 / FROM: CDM DrwNo: 180.21.0858.41949 Qty: 1 Nottingham Truss Label: D01 CS / YK 06/29/2021

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
1.0220.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.060 I 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.119 I 999 180
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 C
Dec 1 d · 40 00	EXP: C Kzt: NA		HORZ(TL): 0.033 C
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: 0.499
	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.458
1	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.643
' "	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

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W3 2x4 SP #2; Slider: 2x4 SP #3; block length = 1.500' Rt Slider: 2x4 SP #3; block length = 1.500'

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 4.00" o.c. (Each Row) Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 64 plf at 0.00 to 64 plf at 13.33 BC: From 10 plf at 0.00 to 10 plf at 1 BC: 1844 lb Conc. Load at 2.06, 4.06, 6.06, 8.06 13.33 10.06,12.06

Wind

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

Blocking

Apply additional nailing over the following bearings with fasteners at 4" oc both perpendicular and parallel to grain. In lieu of additional nailing, apply blocking reinforcement to prevent buckling of members over the bearings:
Bearing 1 located at 0.0' (blocking >= 3.50" if used)
Bearing 2 located at 13.0' (blocking >= 3.50" if used)

Additional Notes

The overall height of this truss excluding overhang is



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	▲ Maxin	num Rea	actions (lbs)			
Gravity				Non-Gravity			
	Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
	K 569	7 /-	/-	/-	/549	/-	
	L 635	4 /-	/-	/-	/603	/-	
	Wind rea	actions b	ased on	MWFRS			
	K Brg	Width =	4.5	Min Re	q = 2.4	ļ	
	L Brg	Width =	4.5	Min Re	$\dot{q} = 2.6$	i	
	Bearings	sK&La	re a rigid	surface.	•		
	Member	s not list	ed have f	forces less	s than 3	375#	
	Maximu	m Top (Chord Fo	rces Per	Ply (lb	s)	
	Chords	Tens.Co	omp.	Chords	Tens.	Comp.	
	A - B	362 -	3730	D-E	267	- 2745	
	B-C			Ē-F	359	-	
	C - D	267 -		F-G	368	- 3793	

Maximum Bot Chord Forces Per Ply (lbs)

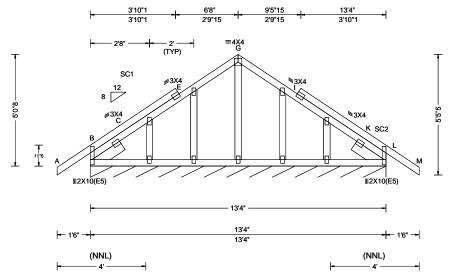
Chords	Tens.C	omp.	Chords	Tens. (Comp.
A - J J - I		- 283 - 278	I - H H - G	2982 3058	

Maximum Web Forces Per Ply (lbs) Tens Comp

******	10113.001	ιιρ.	******	10113.	oomp.	
J - C	1295	-93	I-E	97	- 1003	
C - I	91 -	927	E-H	1382	- 100	
D - I	2847 -	247				



SEQN: 313687 / GABL Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T2 / FROM: CDM DrwNo: 180.21.0858.42090 Qty: 1 Nottingham Truss Label: D02 CS / YK 06/29/2021



	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/#
1		Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 I 999 240
	DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 I 999 180
	DCDL. 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): -0.001 I
	Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf	Building Code: FBC 7th Ed. 2020 Res.	HORZ(TL): 0.002 I Creep Factor: 2.0 Max TC CSI: 0.244
- 1		MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Max BC CSI: 0.057 Max Web CSI: 0.055
		Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL L* 100 /-/-/51 Wind reactions based on MWFRS Brg Width = 159 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; Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.500' Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.500'

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.

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

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

The overall height of this truss excluding overhang is



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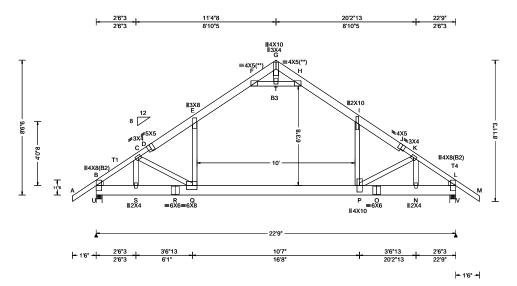
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 379929 / ATIC Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T3 / FROM: CDM DrwNo: 180.21.0858.41933 Qty: 4 Nottingham Truss Label: G01 CS / YK 06/29/2021



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: Any 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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.257 Q 999 240 VERT(CL): 0.560 Q 487 180 HORZ(LL): 0.155 E HORZ(TL): 0.342 E Creep Factor: 2.0 Max TC CSI: 0.992 Max BC CSI: 0.681 Max Web CSI: 0.578	Gravity Loc R+ /R- /Rh /
••	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	C-D 335 - 2660 H - I

Lumber

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31; T4 2x4 SP #2: Bot chord: 2x8 SP 2400f-2.0E; B3 2x4 SP #2; Webs: 2x4 SP #3; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Plating Notes

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

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

WIND LOAD CASE MODIFIED!

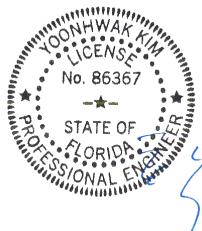
	■ 141	axiiii	ann ve	ないいいいろ	(iDS)				
		G	ravity		N	Non-Gravity			
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
0	υ	1986	/-	/-	/655	/184	/267		
	V	1951	/-	/-	/655	/184	/-		
	Win	d read	ctions b	ased o	n MWFRS				
	U	Brg V	Vidth =	4.5	Min Re	eq = 1.6	i		
	V Brg Width = 4.5								
	Bea	rings	U & V a	are a rig	gid surface				
	Men	nbers	not list	ed have	e forces les	s than 3	375#		
	Max	imun	Top (Chord I	Forces Per	Ply (lb	s)		
	Cho	rds 1	Γens.C	omp.	Chords	Tens.	Ćomp.		
	В-0	•	352 -	2320	G-H	711	- 41		
	i - ت ا	-		2660	H-I	393	- 1862		
	D - I	=		2631	I-J	355			
	E-F			1852	J - K	335			
	F - 0		720	- 42	K-I	341	- 2212		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. (Jomp.
B - S S - R		- 175 - 177	P-0 O-N	1807 1807	- 187 - 187
R-Q	1892	- 177	N - L	1783	
Q - P	1921	- 131			

Maximum Web Forces Per Ply (lbs)

AA GD2	rens.comp.	AA CD2	rens. Comp.		
s-c	68 - 745	T - H	561 - 3086		
Q-E	1289 0	I-P	1238 0		
F-T	561 - 3086	K-N	74 - 818		
G - T	852 - 147				



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

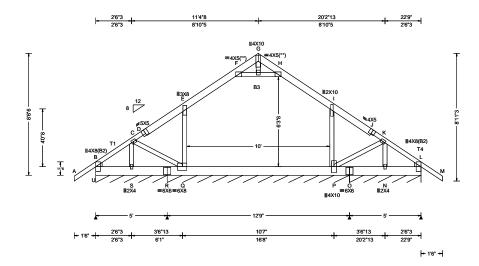
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 379938 / ATIC Ply: 2 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T8 / FROM: CDM Qty: 1 DrwNo: 180.21.0858.41449 Nottingham Truss Label: G02 CS / YK 06/29/2021

2 Complete Trusses Required



	DefI/CSI Criteria
Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
Pf: NA Ce: NA	VERT(LL): 0.005 Q 999 240
Lu: NA Cs: NA	VERT(CL): 0.013 Q 999 180
Snow Duration: NA	HORZ(LL): 0.003 I
	HORZ(TL): 0.006 I
Building Code:	Creep Factor: 2.0
FBC 7th Ed. 2020 Res.	Max TC CSI: 0.135
TPI Std: 2014	Max BC CSI: 0.270
Rep Fac: No	Max Web CSI: 0.093
FT/RT:20(0)/10(0)	
Plate Type(s):	
WAVE	VIEW Ver: 21.01.01A.0521.20
	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):

Lumber

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31; T4 2x4 SP #2: Bot chord: 2x8 SP 2400f-2.0E; B3 2x4 SP #2; Webs: 2x4 SP #3; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" o.c. :1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes

All plates are 3X4 except as noted.

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

Purlins

In lieu of structural panels use purlins to brace TC @

Collar-tie braced with continuous lateral bracing at 24" OC.

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

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -710# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

The overall height of this truss excluding overhang is 8-6-6.

WIND LOAD CASE MODIFIED!

Gravity				Non-Gravity			
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
U*	95	/-142	/-	/76	/46	/75	
R*	351	/-	/-	/61	/19	/-	
0*	212	/-	/-	/97	/40	/-	
R		/-1177					
0		/-1130					
Wir	nd read	tions ba	sed on	MWFRS			
U	Brg V	/idth = 6	0.0	Min Re	q = -		
R	Brg V	/idth = 1	52	Min Re	q = -		
0	Brg V	/idth = 6	0.0	Min Re	q = -		
Bea	arings l	J, R, & (D are a	rigid surfa	ice.		
Mei	mbers	not liste	d have	forces less	s than 3	375#	
Ma	ximum	Top CI	ord Fo	orces Per	Ply (lb	s)	
Cho	ords T	ens.Cor	np.	Chords	Tens.	Comp.	
Ε-	F	164 -	421	H-I	165	- 421	

▲ Maximum Reactions (lbs), or *=PLF



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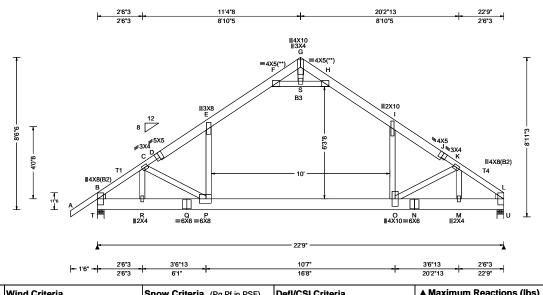
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SEQN: 379932 / ATIC Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T5 / FROM: CDM DrwNo: 180.21.0858.42200 Qty: 2 Nottingham Truss Label: G03 CS / YK 06/29/2021



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.
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.255 P 999 240	<u>L</u>
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.560 P 487 180	T
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.154 E	ι
Dec d- 40.00	EXP: C Kzt: NA		HORZ(TL): 0.342 E	۷
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	T
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.982	١
l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.681	B
I	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.579	I N
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		ا". د
	GCpi: 0.18	Plate Type(s):]∸
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	B
l				٠(

Maximum (Cachons (ibs)								
G	ravity		N	Non-Gravity				
R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
1989	/-	/-	/655	/185	/246			
1844	/-	/-	/560	/151	/-			
d reac	tions b	ased or	n MWFRS					
Brg V	Vidth =	4.5	Min Re	eq = 1.6	;			
Brg V	Vidth =	4.5	Min Re	Min Reg = 1.5				
rings '	T & U a	are a rig	id surface.	•				
_		_			375#			
imum	Top (Chord F	orces Per	Plv (lb	s)			
	341 -	2323	G-H	715	- 42			
)	336 -	2668	H - I	394	- 1867			
<u> </u>	356 -	2639	I - J	362	- 2624			
=	393 -	1858	J - K	342	- 2653			
}	721	- 42	K-L	361	- 2251			
	GR+ 1989 1844 d read Brg V Brg V rings bers imum rds T	Gravity R+ /R- 1989 /- 1844 /- d reactions b Brg Width = Brg Width = rings T & U a nbers not list imum Top (rds Tens.Ca C 341 - C 3366 - C 356 - C 393 -	Gravity R+ /R- /Rh 1989 /- /- 1844 /- /- d reactions based or Brg Width = 4.5 Brg Width = 4.5 rings T & U are a righters not listed have imum Top Chord Frds Tens.Comp. C 341 - 2323 C 346 - 2668 C 356 - 2669 C 393 - 1858	Gravity R+ /R- /Rh /Rw 1989 /- /- /655 1844 /- /- /- /560 d reactions based on MWFRS Brg Width = 4.5 Min Re Brg Width = 4.5 Min Re rings T & U are a rigid surface. bers not listed have forces les imum Top Chord Forces Per rds Tens.Comp. Chords C 341 - 2323 G - H C 336 - 2668 H - I C 356 - 2639 I - J S 393 - 1858 J - K	Gravity R+			

Maximum Bot Chord Forces Per Ply (lbs)

Chords

O - N

N - M

M - I

Webs

S-H

I - O

K - M

Tens. Comp.

Tens. Comp.

565

1243

68

- 261

- 261

- 259

- 3097

-810

0

1850

1850

1826

Chords Tens.Comp.

1873 - 249

1895 - 251

1928 - 134

1293

1895 - 251

Tens.Comp.

565 - 3097

0

- 148 855

R-R

Lumber

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31; T4 2x4 SP #2: Bot chord: 2x8 SP 2400f-2.0E; B3 2x4 SP #2; Webs: 2x4 SP #3; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Plating Notes

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

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

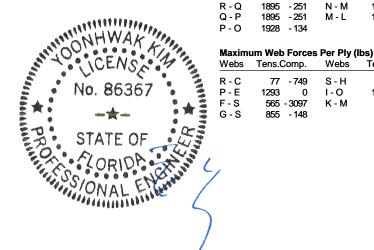
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

WIND LOAD CASE MODIFIED!



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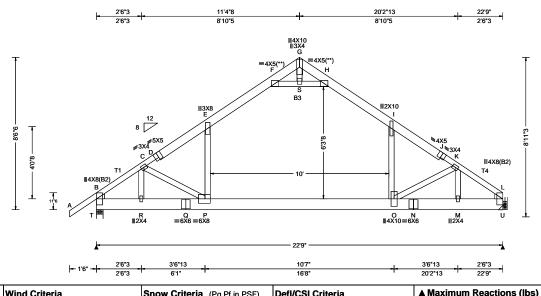
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SEQN: 379935 / ATIC Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T6 FROM: CDM DrwNo: 180.21.0858.42152 Qty: 6 Nottingham Page 1 of 2 Truss Label: G04 CS / YK 06/29/2021



TCLL: 20.00 Wind Std: ASCE 7: Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 NCBCLL: 10.00	Snow Criteria (Pg,Pf in PS	SF) DefI/CSI Criteria
Des Ld: 40.00 Mean Height: 15.00	, -	NA PP Deflection in loc L/defl L/#
Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " C&C Dist a: 3.00 ft Loc. from endwall: A GCpi: 0.18 Wind Duration: 1.60	st: 0 to h/2 st: 0 to h/2 FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.342 E Creep Factor: 2.0 Max TC CSI: 0.982 Max BC CSI: 0.681 Max Web CSI: 0.579 VIEW Ver: 21.01.01A.0521.20

Lumber

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31; T4 2x4 SP #2: Bot chord: 2x8 SP 2400f-2.0E; B3 2x4 SP #2; Webs: 2x4 SP #3; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Plating Notes

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

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

WIND LOAD CASE MODIFIED!

,				1/				
	G	ravity		Non-Gravity				
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
т	1989	/-	/-	/655	/185	/246		
U	1844	/-	/-	/560	/151	/-		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
Т	Brg V	Vidth =	4.5	Min Re	eq = 1.6			
Bear	ring T	is a rigi	id surfa	ice.	•			
Mem	bers	not liste	ed have	forces les	s than 3	375#		
Max	imum	Top C	hord F	orces Per	Ply (lb:	s)		
Cho	rds T	ens.Co	mp.	Chords	Tens.	Ćomp.		
В-0		341 - 2	2323	G-H	715	- 42		
C - E)	336 -	2668	H-I	394	- 1867		
D - E	•	356 -	2639	I - J	362	- 2624		
E - F	•	393 -	1858	J - K	342	- 2653		
F-0	}	721	- 42	K-L	361	- 2251		
	T Wind T U Bear Mem Max Chool B - C C - E D - E	Loc R+ T 1989 U 1844 Wind read T Brg V U Brg V Bearing T Members Maximum	U 1844 /- Wind reactions by T Brg Width = U Brg Width = Bearing T is a rig Members not liste Maximum Top C Chords Tens.Co B - C 341 C - D 336 D - E 356 E - F 393	Loc R+ /R- /Rh T 1989 /- /- U 1844 /- /- Wind reactions based or T Brg Width = 4.5 U Brg Width = - Bearing T is a rigid surfa Members not listed have Maximum Top Chord F Chords Tens.Comp. B - C 341 - 2323 C - D 336 - 2668 D - E 356 - 2639 E - F 393 - 1858	Loc R+	Loc R+ /R- /Rh /Rw /U T 1989 /- /- /655 /185 U 1844 /- /- /560 /151 Wind reactions based on MWFRS T Min Req = 1.6 1.6 U Brg Width = 4.5 Min Req = - - Bearing T is a rigid surface. Members not listed have forces less than 3 Maximum Top Chord Forces Per Ply (Ibc Chords Tens. Chords Tens. Comp. Chords Tens. B - C 341 - 2323 G - H 715 C - D 336 - 2668 H - I 394 D - E 356 - 2639 I - J 362 E - F 393 - 1858 J - K 342		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	comp.	Chords	Tens. 0	Comp.	
B - R	1873	- 249	O - N	1850	- 261	
R-Q	1895	- 251	N - M	1850	- 261	
Q-P	1895	- 251	M - L	1826	- 259	
P - O	1928	- 134				

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	webs	rens. Comp.
R-C	77 - 749	S-H	565 - 3097
P - E	1293 0	1-0	1243 0
F-S	565 - 3097	K - M	68 - 810
G-S	855 - 148		



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SEQN: 379935 / ATIC Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T6 FROM: CDM Qty: 6 DrwNo: 180.21.0858.42152 Nottingham Page 2 of 2 Truss Label: G04 CS / YK 06/29/2021

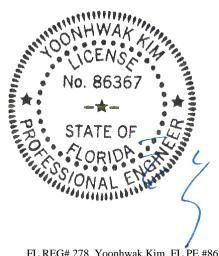
Hangers / Ties

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

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

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

Bearing at location x=22'6" uses the following support conditions: 22'6" Bearing U (22'6", 9'1"2) HUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.148"x3" nails into supporting member (4) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/29/2021

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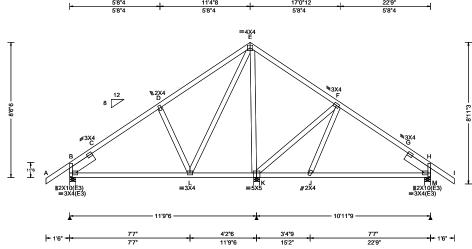
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SEQN: 380108 COMN Ply: 2 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T18 FROM: CDM Qty: 1 DrwNo: 180.21.1359.32997 Nottingham Truss Label: G05 KD / YK 06/29/2021

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00 BCLL: 0.00	Speed: 130 mph Enclosure: Closed Risk Category: II	Pf: NA Ce: NA Lu: NA Cs: NA	VERT(LL): 0.010 G 999 240 VERT(CL): 0.021 G 999 180	
BCDL: 10.00 Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft	Snow Duration: NA	HORZ(LL): -0.006 G HORZ(TL): 0.014 G	
NCBCLL: 0.00 Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Building Code: FBC 7th Ed. 2020 Res.	Creep Factor: 2.0 Max TC CSI: 0.224	
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft	TPI Std: 2014 Rep Fac: Yes	Max BC CSI: 0.147 Max Web CSI: 0.182	
	Loc. from endwall: not in 9.00 ft GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber				Ξ

۸N	/laxim	um Rea	ctions (I	bs)		
	G	avity		. No	on-Gra	vity
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	602	/-	/-	/384	/27	/263
Κ	949	/-	/-	/544	/-	/-
М	569	/-	/-	/399	/41	/-
Wii	nd read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	4.5	Min Re	q = 1.5	5
K	Brg V	Vidth =	4.5	Min Re	q = 1.9	5
М	Brg V	Vidth =	4.5	Min Re	$\dot{q} = 1.5$	5
Bea	arings	B, K, &	M are a ı	rigid surfa	ce.	
	_			orces less		375#
1						

Top chord: 2x4 SP #2;

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.841' Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.878'

Nailnote

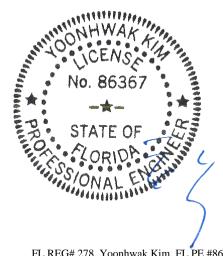
Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" o.c. Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Wind loads based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



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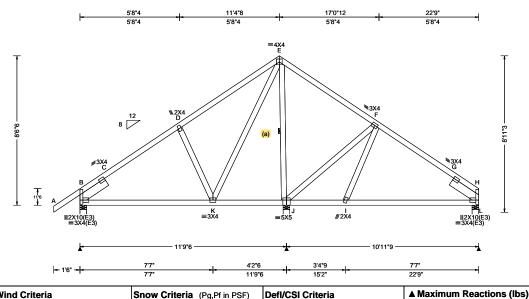
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SEQN: 313689 / COMN Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T16 FROM: CDM DrwNo: 180.21.0858.41792 Qty: 1 Nottingham Truss Label: G06 CS / YK 06/29/2021



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): 0.031 G 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.064 G 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.021 G	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.047 G	
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: 0.612	
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.530	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.472	
	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: 20.01.01A.0724.11	
Lumber	·	·	·	

	G	ravity		No	n-Grav	ity
Loc	R+	/ R-	/Rh	/Rw	/ U	/ RL
В	622	/-	/-	/389	/27	/244
J	913	/-	/-	/534	/-	/-
L	481	/-	/-	/318	/28	/-
Win	d reac	tions bas	ed on MV	VFRS		
В	Brg W	/idth = 4.	5 I	Min Red	1.5	
J	Brg W	/idth = 4.	5 I	Min Red	= 1.5	
L	Brg W	/idth = 4.	5 I	Min Red	= 1.5	
Bea	rings E	3, J, & L	are a rigid	surface	e.	
Mer	nbers	not listed	have for	es less	than 3	75#
Max	imum	Top Ch	ord Force	es Per l	Ply (lbs	5)
			np. Ch			

F-G B - C 218 - 609 - 473 197 C-D 202 - 523 G - H 200 - 586 D-E 279 - 425

Bracing

Top chord: 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

For chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.841' Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.878'

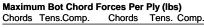
Wind

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 8-6-6.



B - K 391 - 146 407 A = 1- 59

Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	webs	rens. (Jonnp.
K-E	489 - 145	J - F	162	- 513
F - J	17 - 544			



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

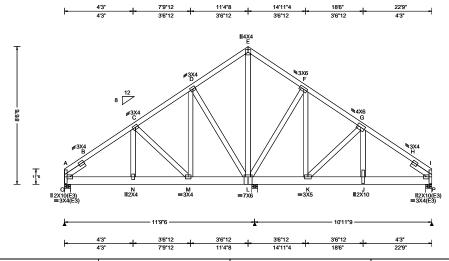
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SEQN: 379923 / COMN Ply: 2 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T29 / Qty: 1 FROM: CDM DrwNo: 180.21.0858.42169 Nottingham Truss Label: G07 CS / YK 06/29/2021

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.026 J 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.053 J 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 E
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.012 E
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: 0.118
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.397
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.484
' "	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			

	A N	laximu	ım Reac	tions (lb	s)		
		G	ravity		No	on-Grav	/ity
	Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	0	535	/-	/-	/-	/78	/-
	L	4840	/-	/0	/-	/558	/0
	Р	2672	/-	/-	/-	/349	/-
	Wii	nd read	tions ba	sed on M	IWFRS		
	0	Brg V	Vidth = 4	.5	Min Re	q = 1.5	
	L	Brg V	Vidth = 4	.5	Min Re	q = 2.0	
	Р	Brg V	Vidth = 4	.5	Min Re	q = 1.5	
	Bea	arings (O, L, & F	are a riç	gid surfac	ce.	
	Ме	mbers	not liste	d have fo	rces less	than 3	375#
_	Ma	ximum	Top Cl	nord For	ces Per	Ply (lb:	s)
	Ch	ords T	ens.Cor	np. C	hords	Tens.	Ćomp.

F-G 81 - 551 H - I 197 - 1564 188 - 1540

Chords

Tens. Comp.

- 150

1251

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

L-K

K - J

794 - 108

1210 - 146

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

Webs: 2x4 SP #3;

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

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 5.75" o.c. :1 Row @ 4" o.c.

BC: 2170 lb Conc. Load at 19.99

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

Special Loads

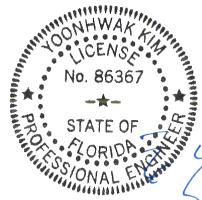
-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 64 plf at 0.00 to BC: From BC: 865 20 plf at 0.00 to 20 plf at 22.75 865 lb Conc. Load at 8.75 949 lb Conc. Load at 11.58 BC: 1033 lb Conc. Load at 14.41 BC: 1117 lb Conc. Load at 17.23

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 8-6-6



Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. M - D 1084 504 - 12 - 95 D-L 44 - 503 K-G 126 - 1105 L-F 112 - 987 G-J 1271 - 111

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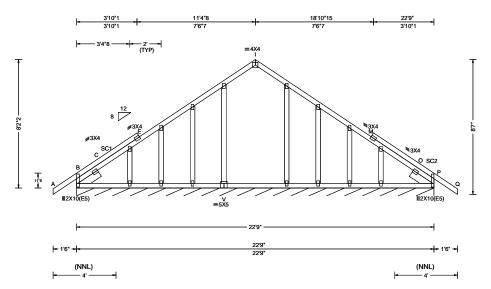
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SEQN: 379915 / GABL Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T4 / FROM: CDM DrwNo: 180.21.0858.42277 Qty: 1 Nottingham Truss Label: G08 CS / YK 06/29/2021



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 I 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.007 I 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 M
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.004 O
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: 0.245
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.095
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.125
'	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), or *=PLF Gravity Non-Gravity Loc R+ /Rw /U /RL P* 93 /-/-/49 Wind reactions based on MWFRS Brg Width = 272 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; Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.500' Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.500'

Plating Notes

All plates are 2X4 except as noted.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

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

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

The overall height of this truss excluding overhang is



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/29/2021

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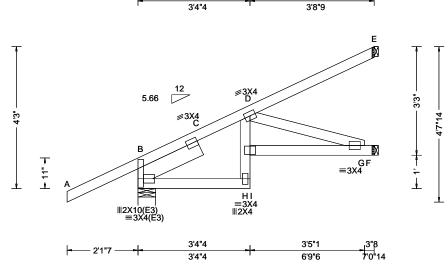
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SEQN: 313704 / HIP_ Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T47 / FROM: CDM Qty: 1 DrwNo: 180.21.0858.41464 Nottingham Truss Label: HJ01 CS / YK 06/29/2021

7'0"14

3'4"4



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): -0.021 H 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.042 H 999 180	1
BCDL: 10.00 Des Ld: 40.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): -0.017 G HORZ(TL): 0.031 G	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00 Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	FBC 7th Ed. 2020 Res. TPI Std: 2014	Max TC CSI: 0.349 Max BC CSI: 0.264	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)	Max Web CSI: 0.754	
	GCpi: 0.18	Plate Type(s):	V/514/1/ 00 04 044 0704 44	1
Lumbor	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	Ţ

Gravity				
Ciavity		No	on-Grav	vity −
+ /R-	/ Rh	/ Rw	/ U	/ RL
1 /-	/-	/-	/133	/-
1 /-	/-	/-	/58	/-
/-	/-	/-	/16	/-
eactions I	based on I	MWFRS		
		Min Re	q = 1.5	;
Width =	= 1.5	Min Re	q = -	
		Min Re	q = -	
Bisari	gid surface	Э.		
rs not lis	ted have fo	orces les	s than 3	375#
	4 /- 4 /- /- eactions g Width = g Width = g Width =	4 /- /- 4 /- /- 2	4 /- /- /- 4 /- /- /- /- 4 /- /- /- 	4 /- /- /- /133 4 /- /- /- /58 /- /- /- /16 eactions based on MWFRS g Width = 6.4 Min Req = 1.5 g Width = 1.5 Min Req = - g Width = 1.5 Min Req = -

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x6 SP 2400f-2.0E; block length = 2.083'

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 0 plf at 2 plf at 0.00 -2 12 to 62 plf at 2 plf at TC: From 0.00 to 7.07 BC: From 0 plf at -2.12 to 4 plf at 0.00 BC: From 2 plf at 0.00 to TC: TC: -40 lb Conc. Load at 1.48 182 lb Conc. Load at 4.31 39 lb Conc. Load at 1.48 BC: BC: 48 lb Conc. Load at 4.31

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



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

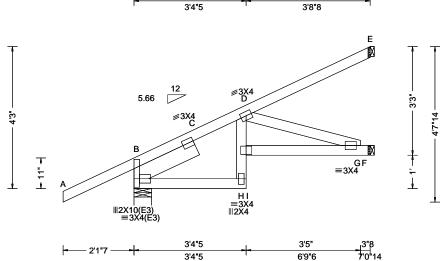
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org 6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 313701 / HIP_ Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T24 / FROM: CDM Qty: 1 DrwNo: 180.21.0858.42339 Nottingham Truss Label: HJ02 CS / YK 06/29/2021

7'0"14

3'4"5



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 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): -0.020 H 999 240 VERT(CL): 0.042 H 999 180 HORZ(LL): -0.017 G HORZ(TL): 0.031 G Creep Factor: 2.0 Max TC CSI: 0.317 Max BC CSI: 0.263 Max Web CSI: 0.753 VIEW Ver: 20.01.01A.0724.11

▲ Maxir	num Re	actions (I	bs)		
	Gravity	-	No	on-Grav	vity
Loc R-	- /R-	/ Rh	/ Rw	/ U	/ RL
B 284	/-	/-	/-	/131	/-
	/-	/-	/-	/56	/-
E 47	/-	/-	/-	/15	/-
Wind re	actions b	ased on I	MWFRS		
B Brg	Width =	6.4	Min Re	q = 1.5	5
F Brg	Width =	1.5	Min Re	q = -	
E Brg	Width =	1.5	Min Re	q = -	
Bearing	B is a rig	gid surface	е.	-	
Membe	rs not list	ed have f	orces les	s than 3	375#

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x6 SP 2400f-2.0E; block length = 2.083'

Special Loads

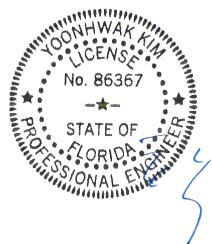
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 0 plf at 2 plf at 0.00 -2 12 to 62 plf at 2 plf at TC: From 0.00 to 7.07 BC: From 0 plf at -2.12 to 4 plf at 0.00 BC: From 2 plf at 0.00 to TC: TC: -40 lb Conc. Load at 1.48 165 lb Conc. Load at 4.31 39 lb Conc. Load at 1.48 BC: BC: 44 lb Conc. Load at 4.31

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/29/2021

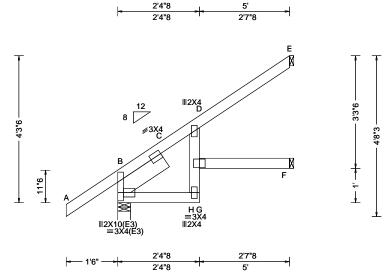
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 313636 / **EJAC** Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T45 / FROM: CDM DrwNo: 180.21.0858.42403 Qty: 3 Nottingham Truss Label: J01 CS / YK 06/29/2021



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): 0.060 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.121 G 496 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.055 D
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.110 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: 0.481
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.130
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.139
' "	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: 20.01.01A.0724.11

	▲ M	laxin	num Rea	actions (I	bs)		
			Gravity		No	on-Gra	vity
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	В	329	/-	/-	/224	/7	/145
	F	65	/-	/-	/40	/-	/-
	Е	152	/-	/-	/119	/85	/-
	Win	d rea	actions b	ased on I	MWFRS		
	В	Brg	Width =	4.5	Min Re	q = 1.5	5
	F	Brg	Width =	1.5	Min Re	q = -	
	Е	Brg	Width =	1.5	Min Re	q = -	
	Bea	ring	B is a rig	gid surfac	e.		
	Mer	nber	s not list	ed have f	orces less	s than	375#
_	Maximum Top Chord Forces Per Ply (lbs)						
	Cho	ords	Tens.C	omp.		- •	-

B - C

282 - 438

Lumber

Top chord: 2x4 SP #2;

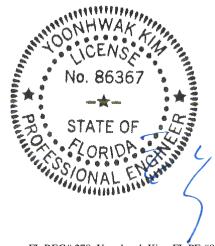
Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.671'

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 4-3-6.



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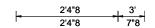
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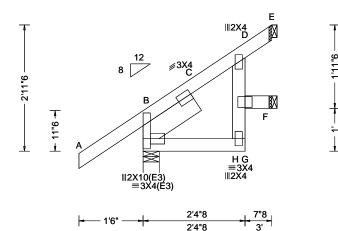
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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

6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 313657 / JACK Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T46 / FROM: CDM DrwNo: 180.21.0858.41387 Qty: 3 Nottingham Truss Label: J02 CS / YK 06/29/2021





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): -0.006 C 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.007 C 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.008 C	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.009 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: 0.223	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.061	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.053	
-	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: 20.01.01A.0724.11	
	•	•	•	_

▲ M	laxim	um Rea	ctions (I	bs)		
	G	avity	-	. No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	255	/-	/-	/180	/12	/98
F	22	/-	/-	/17	/7	/-
E	82	/-	/-	/68	/43	/-
Wir	nd read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	4.5	Min Re	q = 1.5	5
F	Brg V	Vidth =	1.5	Min Re	q = -	
E	Brg V	Vidth =	1.5	Min Re	q = -	
Bearing B is a rigid surface.						
Mei	mbers	not list	ed have f	orces less	s than	375#

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.500'

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 2-11-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/29/2021

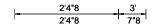
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

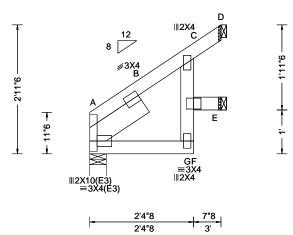
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SEQN: 313649 / JACK Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T36 / FROM: CDM DrwNo: 180.21.0858.42450 Qty: 1 Nottingham Truss Label: J03 CS / YK 06/29/2021





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): 0.008 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.017 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.008 B
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code: FBC 7th Ed. 2020 Res.	HORZ(TL): 0.018 B Creep Factor: 2.0 Max TC CSI: 0.199
Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.065
Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Max Web CSI: 0.065
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11
Lumber			

	▲ M	laxim	um Rea	ections (I	bs)		
		G	avity		No	on-Gra	vity
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
0	Α	126	/-	/-	/73	/-	/69
	Е	26	/-	/-	/23	/9	/-
	D	100	/-	/-	/82	/47	/-
	Win	d read	ctions b	ased on I	MWFRS		
	Α		Vidth =		Min Re	q = 1.5	5
	Ε	Brg V	Vidth =	1.5	Min Re	q = -	
	D	Brg V	Vidth =	1.5	Min Re	q = -	
	Bearing A is a rigid surface.						
	Members not listed have forces less than 375#						

Top chord: 2x4 SP #2;

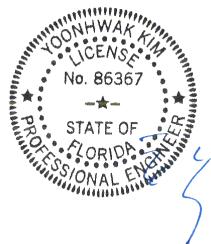
Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.500'

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 2-11-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/29/2021

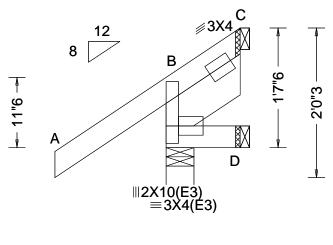
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SEQN: 313642 / JACK Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T34 / FROM: CDM DrwNo: 180.21.0858.41559 Qty: 4 Nottingham Truss Label: J04 CS / YK 06/29/2021



1'6"	-1-	1'	_1
10		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): 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 D
Des Ld: 40.00	Mean Height: 15.00 ft		HORZ(TL): 0.001 D
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: 0.252
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.010
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.004
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11
Lumber			

▲ Maxim	ium Rea	ictions (l	bs)		
	Gravity		No	on-Gra	vity
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B 223	/-	/-	/168	/35	/48
D 20	/-	/-	/12	/-	/-
C -	/-46	/-	/24	/47	/-
Wind rea	actions b	ased on I	MWFRS		
B Brg	Width =	4.5	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 rigid surface.					
Member:	s not list	ed have f	orces les	s than	375#

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.371

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/29/2021

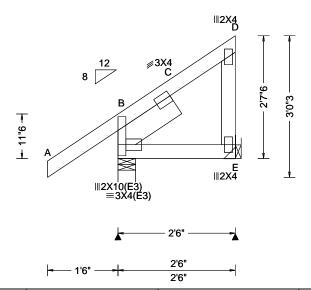
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SEQN: 313641 / MONO Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T27 / FROM: CDM DrwNo: 180.21.0858.41667 Qty: 2 Nottingham Truss Label: J05 CS / YK 06/29/2021



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 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 C HORZ(TL): 0.006 C Creep Factor: 2.0 Max TC CSI: 0.261 Max BC CSI: 0.057 Max Web CSI: 0.081 VIEW Ver: 20.01.01A.0724.11
Lumber		Mind	•

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 239 /-/171 /13 /86 /-74 /64 /-Wind reactions based on MWFRS Brg Width = 4.5В Min Req = 1.5Brg Width = -Min Reg = -Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 316 - 401

Lumber

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

Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.500'

Hangers / Ties

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

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

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

Bearing at location x=2'3" ,y=9'1"2 uses the following support conditions: 2'3" Bearing E (2'3", 9'1"2) LUS26

Supporting Member: (1)2x6 SP 2400f-2.0E (4) 0.148"x3" nails into supporting member,

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

Additional Notes

The overall height of this truss excluding overhang is

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.



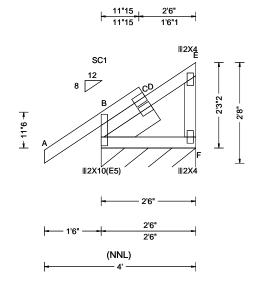
FL REG# 278, Yoonhwak Kim, FL PE #86367

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind 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: Any	Snow Criteria (Pg,Pf in PSF) Pg: NA	Defl/CSI Criteria
Lumbar	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 20.01.01A.0724.11

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL F* 125 /-/-/79 /14 Wind reactions based on MWFRS Brg Width = 30.0 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;

Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.500'

Plating Notes

All plates are 3X4 except as noted.

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

Right end vertical not exposed to wind pressure.

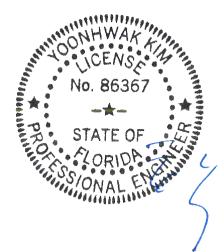
Wind loading based on both gable and hip roof types.

Additional Notes

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

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

The overall height of this truss excluding overhang is 2-3-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/29/2021

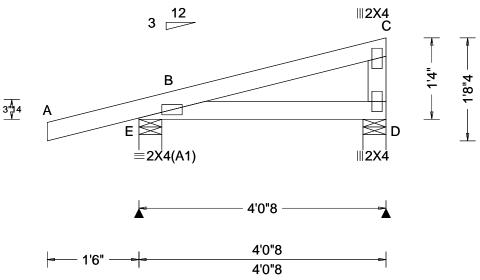
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SEQN: 313672 / MONO Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T1 / FROM: CDM DrwNo: 180.21.0858.41700 Qty: 4 Nottingham Truss Label: J07 CS / YK 06/29/2021



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): 0.002 D
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft	Duilding Code	HORZ(TL): 0.003 D
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: 0.281
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.132
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.087
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 288 /162 /49 134 /-/-/76 /-Wind reactions based on MWFRS Brg Width = 4.5 Min Req = 1.5 Brg Width = 4.5 Min Req = 1.5 Bearings E & D 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;

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/29/2021

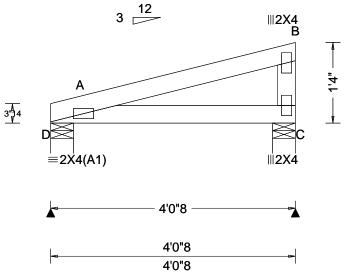
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SEQN: 313666 / MONO Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T11 / FROM: CDM DrwNo: 180.21.0858.42247 Qty: 1 Nottingham Truss Label: J08 CS / YK 06/29/2021



Loading Criteria (psf)	Loading Criteria (psf) Wind Criteria		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): 0.003 C
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.006 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: 0.188
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.175
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.069
	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: 20.01.01A.0724.11

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 169 /87 /35 157 /-/81 /-Wind reactions based on MWFRS Brg Width = 4.5 Min Req = 1.5 Brg Width = 4.5 Min Req = 1.5 Bearings D & C 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;

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is



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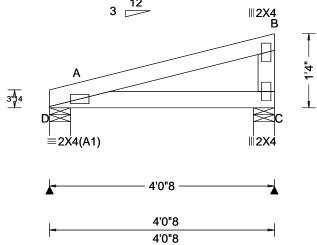
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 313695 / MONO Ply: 2 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T12 / FROM: CDM Qty: 1 DrwNo: 180.21.0858.42248 Nottingham Truss Label: J09 CS / YK 06/29/2021

2 Complete Trusses Required



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria
TCLL: 20.00 Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/#
TCDL: 10.00 Speed: 130 mph	Pf: NA Ce: NA VERT(LL): 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 C
Des Ld: 40.00 Mean Height: 15.00 ft	HORZ(TL): 0.003 C
NCBCLL: 0.00 TCDL: 5.0 psf	Building Code: Creep Factor: 2.0
Soffit: 2.00 BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. Max TC CSI: 0.094
Load Duration: 1.25 MWFRS Parallel Dist: h/2 to	
Spacing: 24.0 " C&C Dist a: 3.00 ft	Rep Fac: Yes Max Web CSI: 0.034
Loc. from endwall: not in 9.0	
GCpi: 0.18	Plate Type(s):
Wind Duration: 1.60	WAVE VIEW Ver: 20.01.01A.0724.11

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL D 169 /87 /35 157 /-/81 /-Wind reactions based on MWFRS Brg Width = 4.5Min Reg = 1.5Brg Width = 4.5 Min Req = 1.5 Bearings D & C 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;

Nailnote

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

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Wind

Wind loads 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 1-4-0.



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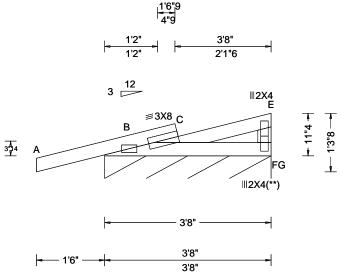
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SEQN: 313640 / GABL Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T10 / FROM: CDM DrwNo: 180.21.0858.42058 Qty: 1 Nottingham Truss Label: J10 CS / YK 06/29/2021



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): 0.000 F 999 240				
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 F 999 180				
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 F				
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.000 F				
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: 0.281				
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.034				
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.007				
	Loc. from endwall: Any	FT/RT:20(0)/10(0)					
GCpi: 0.18		Plate Type(s):					
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11				
Lumbor							

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL G* 107 /-/-/57 Wind reactions based on MWFRS G Brg Width = 44.0 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumbe

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

Plating Notes

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

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

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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

The overall height of this truss excluding overhang is 0-11-4.



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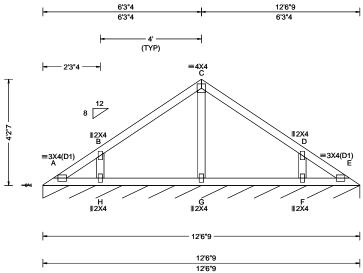
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SEQN: 313656 / VAL Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T15 / FROM: CDM DrwNo: 180.21.0858.42465 Qty: 1 Nottingham Truss Label: V01 CS / YK 06/29/2021



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 Enclosure: Closed	Pf: NA Ce: NA	VERT(LL): 0.001 C 999 240					
BCLL: 0.00		Lu: NA Cs: NA	VERT(CL): 0.001 C 999 180					
	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): -0.001 B					
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014	HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.257 Max BC CSI: 0.117					
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Max Web CSI: 0.101					
Lumban	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11					

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL E* 84 /-/-/44 Wind reactions based on MWFRS Brg Width = 150 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.

The overall height of this truss excluding overhang is



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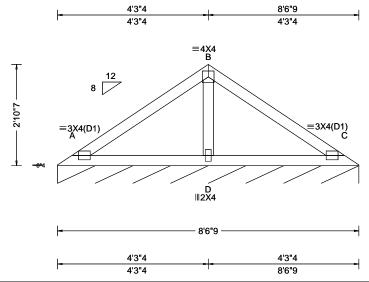
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SEQN: 313692 / VAL Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T35 / FROM: CDM DrwNo: 180.21.0858.41450 Qty: 1 Nottingham Truss Label: V02 CS / YK 06/29/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
. 000	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.008 D 999 240	Loc R+ /R- /Rh /Rw /U /RL
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.016 D 999 180	C* 84 /- /- /43 /10 /8
1000L. 10.00 I	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.004 D	Wind reactions based on MWFRS
Dec d: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.008 D	C Brg Width = 102 Min Req = -
NODOLL 40 00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	Bearing A is a rigid surface.
0 - 40:4.	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.255	Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs)
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.205	Webs Tens.Comp.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.114	
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		B - D 382 - 425
	GCpi: 0.18	Plate Type(s):		
Lumbor	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	

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.

The overall height of this truss excluding overhang is 2-10-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/29/2021

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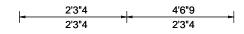
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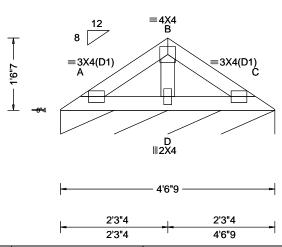
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SEQN: 313677 / VAL Ply: 1 Job Number: 21-5558 Cust: R 215 JRef: 1X6O2150005 T44 / FROM: CDM DrwNo: 180.21.0858.41433 Qty: 1 Nottingham Truss Label: V03 CS / YK 06/29/2021





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 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 D
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft	Building Code:	HORZ(TL): 0.001 D 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: 0 to h/2	FBC 7th Ed. 2020 Res. TPI Std: 2014	Max TC CSI: 0.057 Max BC CSI: 0.040
Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Max Web CSI: 0.034
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL C* 83 /-/-/41 Wind reactions based on MWFRS C Brg Width = 54.5 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

The overall height of this truss excluding overhang is 1-6-7.



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Gable Stud Reinforcement Detail

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

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

urı	120 1	٦pn	wind	Speed,	12,	mean	Heighτ,	Enclosed	, Exposure	? J, KZT =	1.00
Πr:	100 r	nnh	Wind	Speed.	15'	Mean	Height.	Partially	Enclosed.	Exposure	D. $Kzt = 1.00$

												•		
		2x4 Vertica	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 **
	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″
'b	1 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″
21	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″
a			#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″
	Ω	IDFL	Stud	4′ 2″	6′ 0 ″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ′	13′ 4″	14′ 0″	14′ 0″
설			Standard	4′ 0″	5′ 3 ″	5′ 7 ″	7′ 0 ″	7′ 6″	9′ 6″	10′ 2″	11′ 0″	11′ 10″	14′ 0″	14′ 0″
II <u>.</u>		CDE	#1 / #2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10 ″	10′ 3″	11′ 8″	12′ 2 ′	14′ 0″	14′ 0″	14′ 0″	14′ 0″
+>		SPF	#3	4′ 8″	8′ 1 ″	8′ 8 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
;	Ō	HF	Stud	4′ 8″	8′ 1″	8′ 6″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ΠġΙ	Ō	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″
$\mathbb{N}^{\mathcal{U}}$	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″
	. ^	l	#3	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
IJωl	16	lDFL.	Stud	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
II 🚤 l			Standard	4′ 8″	6′ 5 ″	6′ 10 ″	8′ 7 ″	9′ 2″	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
		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″
ơ		727	#3	5′ 1 ″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
U	Ō	HF	Stud	5′ 1 ″	9′ 0″	9′ 4″	10′ 8 ″	11′ 1″	12′ 9 ′	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ō	1 11	Standard	5′ 1 ″	8′ 0 ″	8′ 6 ″	10′ 8″	11′ 1″	12′ 9 ″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
$II \times I$	0		#1	5′ 8 ″	9′ 3″	9′ 8 ″	10′ 11″	11′ 4″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	14' 0"	14′ 0″
ĉ	*	SP	#2	5′ 5 ″	9′ 2″	9′ 6″	10′ 10 ″	11′ 3″	12′ 11″	13′ 5 ′	14′ 0″	14′ 0″	14′ 0″	14′ 0″
<u>ĕ</u>	ù	اہے۔	#3	5′ 3 ″	8′ 5 ″	9′ 0″	10′ 9″	11′ 2″	12′ 10 ″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	10	IDF L	Stud	5′ 3″	8′ 5 ″	9′ 0″	10′ 9 ″	11′ 2″	12′ 10 ″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	5′ 1 ″	7′ 5″	7′ 11″	9′ 11″	10′ 7″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″

Bracing Group Species and Grades: Group A: Spruce-Pine-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.

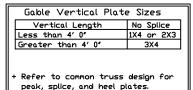
Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

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.

> DATE 01/26/2018 DRWG A14015ENC160118

ASCE7-16-GAB14015

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and inscaling fire installers.

Trusses require extreme care in fabricating, handling, shipping, installing and pracing, 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 BCII necessary to the property attached structural sheathing and botton chord shall have a property attached rigid celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCII 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.

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

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

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

ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.lafs.ff.fc.c.

MAX, TOT, LD, 60 PSF MAX. SPACING 24.0"

514 Earth City Expressway Suite 242 Earth City, MO 63045

Gable Stud Reinforcement Detail

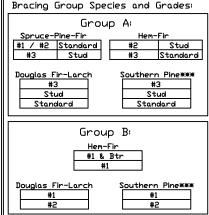
ASCE 7-16: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

						· · · · · · · · · · · · · · · · · · ·		1.5				•			
		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 1 L	Brace **	i
	Spacing	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	l
\ \ \ \		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″	
ˈo	1	SPF	#3	3′ 10 ″	6′ 2 ″	6′ 7″	8′ 1 ″	8′ 5 ″	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″	
II 2'	<u>ب</u> 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″	
<u>C</u>	ΙŌ		Standard	3′ 10 ″	5′ 3 ″	5′ 7″	7′ 0″	7′ 6″	9′ 6″	10′ 0″	11′ 0″	11′ 10″	14′ 0″	14′ 0″	
ש או			#1	4′ 2″	7′ 0″	7′ 3″	8′ 3″	8′ 7 ″	9′ 10″	10′ 3″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	
	🔪	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		#3	4′ 0″	5′ 7 ″	5′ 11 ″	7′ 5″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″	
	N	lDF L	Stud	4′ 0″	5′ 7″	5′ 11 ″	7′ 5 ″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″	
d			Standard	3′ 9″	4′ 11″	5′ 13 ″	6′ 6″	7′ 0 ″	8′ 10 ″	9′ 6″	10′ 3″	11′ 0″	13′ 11″	14′ 0″	
II <u>.</u> U		CDL	#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″	
<u> </u>	Ų	HF	Stud	4′ 5 ″	7′ 6″	8′ 0 ″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0 ″	14′ 0″	14′ 0 ″	14′ 0″	
à	Ιō	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″	
>		SP	#2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	9		#3	4′ 7″	6′ 10 ″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
IJω	1,6	IDFL	Stud	4′ 7″	6′ 10 ″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
			Standard	4′ 5″	6′ 0″	6′ 5″	8′ 0 ″	8′ 7 ″	10′ 10″	11′ 6″	12′ 7″	13′ 15″	14′ 0″	14′ 0″	
Gabl		lene	#1 / #2	5′ 2 ″	8′ 9 ″	9′ 1″	10′ 4″	10′ 9 ″	11′ 2″	12′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	-	SPF	#3	4′ 10″	8′ 7″	8′ 11 ″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	<u>ب</u>	HF	Stud	4′ 10″	8′ 7 ″	8′ 11 ″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	Ιō	1 11	Standard	4′ 10″	7′ 5 ″	7′ 11″	9′ 11″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
$ \times $			#1	5′ 4″	8′ 10 ″	9′ 2″	10′ 5 ″	10′ 10 ″	12′ 5 ″	12′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
ĉ		SP	#2	5′ 2″	8′ 9 ″	9′ 1″	10′ 4″	10′ 9″	12′ 3″	12′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
$ \breve{\Sigma} $	ù		#3	5′ 0 ″	7′ 10″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	15	IDFL	Stud	5′ 0 ″	7′ 10″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
			Standard	4′ 10″	6′ 11 ″	7′ 4″	9′ 3″	9′ 10″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
								S. ma							



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.

Symm C 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 "L" Brace End total length is 14'. Zones, typ. 2x6 DF-L #2 or better diagonal brace; single Vertical length shown or double cut in table above. (as shown) at upper end. Constituous Bearing Connect diagonal at Refer to chart above son midpoint of vertical web.

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

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

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

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For more information see this Job's general notes page and these web sites 29/20212 ALPINE: www.alpineltw.com, TPI www.tpinstorg, SBCA; www.sbcindustry.org, ICC: www.icciaefactorg, 278, $Yoonhwak\ Kim$, FL PE #86367

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

MAX, TOT, LD, 60 PSF

MAX. SPACING 24.0"

514 Earth City Expressway Suite 242 Earth City, MO 63045

CLR Reinforcing Member Substitution

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

Notes:

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

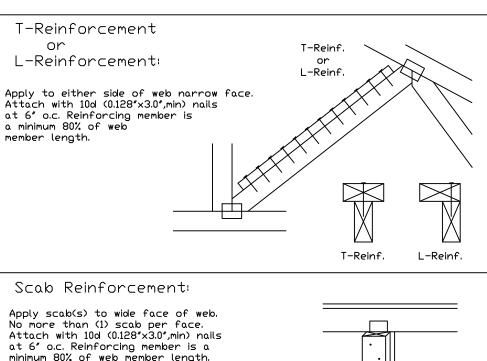
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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.

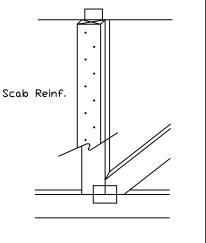
Web Member	Specified CLR	Alternative Reir	
Size	Restraint	T- or L- Reinf.	
2x3 or 2x4	1 row	2×4	1-2×4
2x3 or 2x4	2 rows	2×6	2-2×4
2×6	1 row	2×4	1-2×6
2×6	2 rows	2×6	2-2×4(米)
5×8	1 row	2×6	1-2×8
5×8	2 rows	2×6	2-2×6(*)

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

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







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

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

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TC LL PSF REF CLR Subst.

TC DL PSF DATE 01/02/19

BC DL PSF DRWG BRCLBSUB0119

BC LL PSF PSF

DUR. FAC.

SPACING



514 Earth City Expressway Suite 242 Earth City, MO 63045

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

Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:

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

(4) nails in the top and bottom chords.

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

(4) toenails in the top and bottom chords.

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

ASCE 7-05 Gable Detail Drawings

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

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

A11515ENC100118, A12015ENC100118, A14015ENC100118, A14015ENC100118,

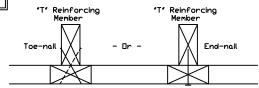
A18015ENC100118, A12015ENC100118, A12015ENC100118, A12015ENC100118, A120015ENC100118, A120015ENC100118, A120015ENC100118, A120015ENC100118, A12003ENC100118, A12003ENC100118, A120030ENC100118, A120030ENC100118,

\$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015PED100118 \$11530ENC100118, \$12030ENC100118, \$14030ENC100118, \$16030ENC100118)

\$18030ENC100118, \$20030ENC100118, \$20030END100118, \$20030PED100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical

"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 = 1.00 Gable Vertical = 24°o.c. SP #3 "T" Reinforcing Member Size = 2x4

"T" Brace Increase (From Above) = 30% = 1.30

(1) 2x4 "L" Brace Length = 8' 7"

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

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

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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, nstallation 8 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 sultability and use of this for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites, ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.tagesape.org; b_{70}

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

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY MAX. SPACING 24.0"

514 Earth City Expressway Suite 242 Earth City, MO 63045

Rigid Sheathing

Ceiling

4 Nails

Nails

Spaced At

4 Nails

Reinforcing Member

Gable

Truss

22k Kim FI PF #86367

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.

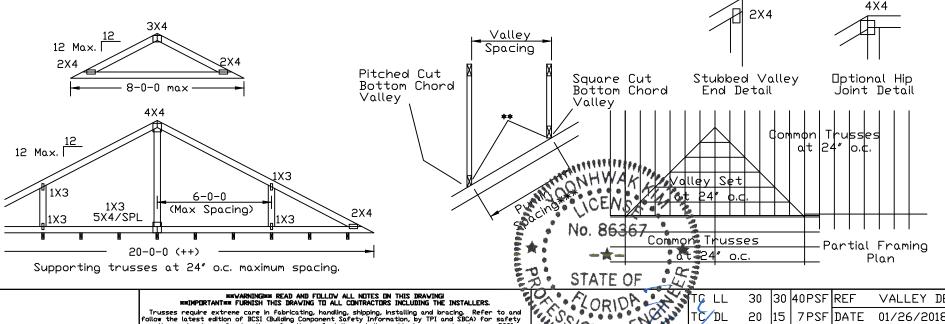
Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Buldling Component Safety Information, by FPI 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 celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 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 fallure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, nastallation & 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 6/20/202178, Yoonhwak Kim, FL PE #86367 SPACING ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.lccsafe.org 278, Yoonhwak Kim, FL PE #86367

VALLEY DETAIL MISSONAL IN 01/26/2018 BC DL 10 VAL180160118 0 PSF BC 1.1 O 0 TØT. LD. 60 |55|57PSF DUR.FAC. 1.25/1.33 1.15 1.15 24.0"

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.

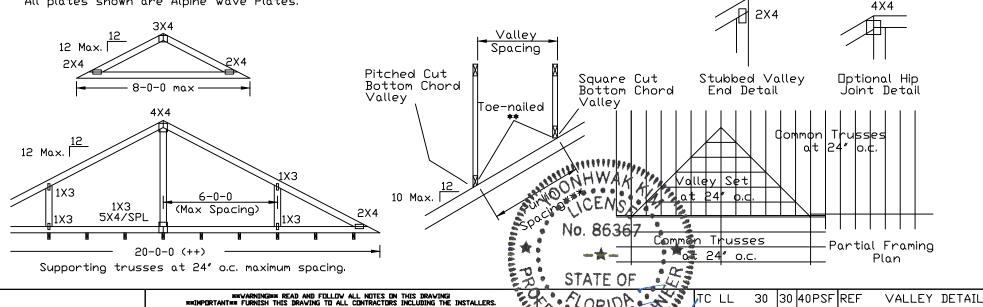
Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box $(0.128" \times 3.0")$ nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint 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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mmIMPDRTANTmm FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

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For more information see this job's general notes page and these web \$9859/2021 278, Yoonhwak Kim, FL PE \$86367 ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.Easard.org; 278, Yoonhwak Kim, FL PE \$86367

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01/26/2018

TDT. LD. 60 DUR.FAC. 1.25/1.33 1.15 1.15

SPACING 24.0"