

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

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

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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).

ltem	Drawing Number	Truss	Item	Drawing Number	Truss
1	180.21.0858.41761	A01	2	180.21.0858.42511	A02
3	180.21.0858.41621	A03	4	180.21.0858.41856	A04
5	180.21.0858.42558	A05	6	180.21.0858.42293	A06
7	180.21.0858.41824	A07	8	180.21.0858.42089	A08
9	180.21.0858.41887	A09	10	180.21.0858.42168	A10
11	180.21.0858.42091	A11	12	180.21.0858.41730	A12
13	180.21.0858.41980	A13	14	180.21.0858.41701	A14
15	180.21.0858.41451	A15	16	180.21.0858.42464	A16
17	180.21.0858.41699	B01	18	180.21.0858.42590	B02
19	180.21.0858.41903	B03	20	180.21.0858.42419	B04
21	180.21.0858.41527	B05	22	180.21.0858.41919	C01
23	180.21.0858.41636	C02	24	180.21.0858.41949	D01
25	180.21.0858.42090	D02	26	180.21.0858.41933	G01
27	180.21.0858.41449	G02	28	180.21.0858.42200	G03
29	180.21.0858.42152	G04	30	180.21.1359.32997	G05
31	180.21.0858.41792	G06	32	180.21.0858.42169	G07
33	180.21.0858.42277	G08	34	180.21.0858.41464	HJ01
35	180.21.0858.42339	HJ02	36	180.21.0858.42403	J01
37	180.21.0858.41387	J02	38	180.21.0858.42450	J03
39	180.21.0858.41559	J04	40	180.21.0858.41667	J05
41	180.21.0858.42404	J06	42	180.21.0858.41700	J07
43	180.21.0858.42247	J08	44	180.21.0858.42248	J09
45	180.21.0858.42058	J10	46	180.21.0858.42465	V01
47	180.21.0858.41450	V02	48	180.21.0858.41433	V03
49	A14015ENC160118		50	A14030ENC160118	
51	BRCLBSUB0119		52	GBLLETIN0118	

Florida Certificate of Product Approval #FL1999





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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		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. The Truss Design Engineer. The Truss Design Engineer 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 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; <u>www.alpineitw.com</u>.
- 4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
- 5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

SEQN: 313732 /	GABL	Ply: 1	Job Nur	mber: 21-5558			Cust: R 215 JRef: 1X6O21500	05 T19 /
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			Truss L	abel: A01			CS / YK 06/29/202	21
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		1'2"		12'3"7 4'7"1	1 5'0"10 4'11"11 4'1	11"11 ' 4'11"11	1	
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		=2.5X6(C5) ≡2.5X6(C5)	51	W AB ↓ ≡5X5	=3X4 =6X8 =3X4	4	10(Ê3) 4(E3)	
		k	11'2"4 -	*	29'7*12		-1	
		^{1'6"} -		20'10"5 20'10"5	-+	4'11")'9"15	+	
		(NNL)						
		⊨ 4' −− =						
Loading Criteria (pcf)	Wind	Critoria		Snow Criteria (Da Df in DSE)	Defl/CSI Criteria	A Maximum Re	eactions (lbs) or *=PLF	
TCLL: 20.00	Wind §	Std: ASCE 7-16		Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	/ Non-Grav	ity
TCDL: 10.00	Speed	I: 130 mph		Pf: NA Ce: NA	VERT(LL): 0.223 T 999 240	Loc R+ /R-	/Rh /Rw /U	/ RL
BCLL: 0.00	Enclos	sure: Closed		Lu: NA Cs: NA	VERT(CL): 0.457 T 778 180	AA*84 /-	/- /39 /-	/26
BCDL: 10.00	EXP: (C Kzt: NA		Snow Duration: NA	HORZ(LL): 0.066 O	AB 1175 /-	/- /646 /-	/-
Des Ld: 40.00	Mean	Height: 15.00 ft		Building Code:	-HOR2(1L): 0.135 0 Creen Factor: 2.0	W /-55	4	/-
Soffit: 2.00	TCDL:	: 5.0 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.622	Wind reactions	based on MWFRS	
Load Duration: 1.25	MWFF	RS Parallel Dist: h	/2 to h	TPI Std: 2014	Max BC CSI: 0.893	AA Brg Width	= 131 Min Req = - - 4.5 Min Reg = 1.5	
Spacing: 24.0 "	C&C [Dist a: 4.08 ft	4	Rep Fac: Yes	Max Web CSI: 0.694	AC Brg Width	= 4.5 Min Req = 1.7	
	Loc. fr	om endwall: not in	า 6.50 ft	FT/R I :20(0)/10(0)		Bearings AA, A	B, & AC are a rigid surface.	_ _
	Wind [Duration: 1.60			VIEW Ver: 20.01.01A.0724.11	Members not is Maximum Top	sted have forces less than 3 Chord Forces Per Ply (lbs	.75# =)
Lumber	<u> </u>			Additional Notes		Chords Tens.	Comp. Chords Tens.	Comp.
Top chord: 2x4 SP #2	; T2 2x6	6 SP 2400f-2.0E;		See DWGS A14015ENC16	60118 & GBLLETIN0118 for	B-C 321	- 2512 L - M 361	- 1474
Bot chord: 2x4 SP #2;	B1 2x4	I SP M-31;		gable wind bracing and oth	ner requirements.	C-J 304	- 2542 M - N 370	- 1851
Stack Chord: SC1 2x4	I SP #2	-,		Stacked top chord must NC area (NNI), Dropped top cl	T be notched or cut in bord braced at 24" oc	J-K 338 ⊮₋i 361	-2085 N-O 335	- 1986
Rt Slider: 2x6 SP 2400	0f-2.0E;	; block length = 1.	.626'	intervals. Attach stacked to	p chord (SC) to dropped	K-L 001	- 1400 0-1 0-0	- 2002
Bracing				top chord in notchable area oc. Center plate on stacked	a using 3x4 tie-plates 24" d/dropped chord interface,	Maximum Bot	Chord Forces Per Ply (lbs	(ن
(a) Continuous lateral	restrain	nt equally spaced of	on	plate length perpendicular t	to chord length. Splice top	Chords Tens.	Comp. Chords Tens.	Comp.
member.				The everall height of this tr	Ing 3xo.	B-V 4833	-311 R-Q 1398	- 99
Plating Notes				10-10-11.	approximity overland is	V-S 2414 S-R 1653	-156 Q-P 1554 -94	- 205
All plates are 2X4 exce	ept as n	noted.		110	O' KIPP	•	0.	
Loading				Pro Lo	CENS	Maximum Web	b Forces Per Ply (lbs)	
Gable end supports 8"	' max ra	ake overhang. Tor	2		No ococo	Webs Tens.	Comp. Webs Tens.	Comp.
chord must not be cut	or notcl	hed.			NO. 8636/ . 3	J-S 77	-971 L-R 1218	- 263
Wind				三 大。	i * E	S-K /48 K-R 195	-10 R-M 202 -897	- 430
Wind loads based on I	MWFR	S with additional C	C&C			100	001	
Wind loading based o	n hoth (cable and hin roof	types	2 A .	STATE OF			
Wind loading based of	n boung	Jable and hip tool	types.	EO.	Alamina			
				450	CURIU	1		
				and a start and a start	SIONINI ELLINA			
					and a contraction of the			
					/			
				FL REC	G# 278, Yoonhwak Kim, FL PE	#86367		
				06/29	9/2021			
	WA	RNING READ	AND FO	LLOW ALL NOTES ON THIS D	RAWING!			
IMPORTA	NT	FURNISH THIS D in fabricating, har)RAWING Idlina. sh	3 TO ALL CONTRACTORS INC ipping, installing and bracing, R	LUDING THE INSTALLERS	of BCSI (Building	a	
Component Safety Info	ormation ess note	n, by TPI and SBC	A) for sa	ifety practices prior to performing all have properly attached structu	these functions. Installers shall p iral sheathing and bottom chord sha	rovide temporary	lv 🔺	
attached rigid ceiling. L	ocation	is shown for perm each face of trus	anent lat	eral restraint of webs shall have sition as shown above and on th	bracing installed per BCSI sections be Joint Details, unless noted other	B3, B7, or B10, wise. Refer to		
drawings 160A-Z for st	andard	plate positions. R	efer to jo	b's General Notes page for addit	tional information.			NE
Alpine, a division of ITA	/V Build	SI/TPI 1, or for h	andling,	 shall not be responsible for any shipping, installation and bracin 	y deviation from this drawing, any faig of trusses. A seal on this drawin	allure to build the ig or cover page	6750 Forum Drive	N ITW COMPANY

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

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SEQN: 313663 /	COMN	Ply: 1	Job Nu	mber: 21-5558				Cust: R 215 JRef:	1X6O2150005 T43 /
FROM: CDM		Qty: 1	Nottingh	nam Abali A12				DrwNo: 180.21.08	858.41730
			Truss L	.adel: A12				CS / YK	06/29/2021
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			-	6'4"8	6'4"8	, 4'11 ° 1	4'11"1		
			 -	6'4"8	12'9"	* * 17'8*1	22'7"2		
Loading Criteria (psf)	Wind (Criteria		Snow Criteria (Pg,Pf in P	SF)	Defl/CSI Criteria	▲ Maximum R	eactions (lbs)	
TCLL: 20.00	Wind S	Std: ASCE 7-16		Pg: NA Ct: NA CAT:	: NÁ	PP Deflection in loc L/defl L/#	Gravit	y (D	Non-Gravity
TCDL: 10.00	Speed	: 130 mph		Pf: NA Ce: N	NA	VERT(LL): 0.019 B 999 240	Loc R+ /R	- /Rh /R	.w /U /RL
BCLL: 0.00	Risk C	ategory: II		Lu: NA Cs: NA		VERT(CL): 0.041 B 999 180	J 949 /-	/- /54	18 /139 /233
BCDL: 10.00	EXP: 0	C Kzt: NA		Show Duration: NA		HORZ(LL): 0.007 B	F 949 /- Wind reactions	/- /52 s based on MWFR	!1 /158 /- ≀S
NCBCLL: 10.00	Mean I	Height: 15.73 ft		Building Code:		Creep Factor: 2.0	J Brg Width	i = - Min	Req = -
Soffit: 2.00	BCDL:	5.0 psi		FBC 7th Ed. 2020 Res.		Max TC CSI: 0.553	F Brg Width	i = - Min	Req = -
Load Duration: 1.25	MWFR	RS Parallel Dist: h	/2 to h	TPI Std: 2014		Max BC CSI: 0.536	Maximum To	o Chord Forces P	Per Plv (lbs)
Spacing: 24.0 "	C&C D	Dist a: 3.00 ft	- 0 00 #	Rep Fac: Yes		Max Web CSI: 0.346	Chords Tens	Comp. Chords	s Tens. Comp.
	LOC. IN	GCpi: 0.18	n 9.00 n	Plate Type(s):			A-B 198	3-980 C-D	272 - 710
	Wind [Duration: 1.60		WAVE		VIEW Ver: 20.01.01A.0724.11	B - C 262	2 - 745 D - E	170 - 696
Lumber				Wind			Maximum Bo	Chord Forces P	or Ply (lbs)
Top chord: 2x4 SP #2	;			Wind loads based on	MWF	RS with additional C&C	Chords Tens	Comp. Chords	s Tens. Comp.
Webs: 2x4 SP #2,				End verticals not evo	osod t	o wind pressure	I-H 740) - 155 H - G	529 - 81
Bracing				Wind loading based of	on both	h gable and hip roof types.			0_0 0.
(a) Continuous lateral	restrain	t equally spaced	on				Maximum We	b Forces Per Ply	(lbs)
member.	rootrain	it oqualiy opuoou	011	Additional Notes	thia tru	es eveluding everbong is	Webs Tens	Comp. Webs	Tens. Comp.
Hangers / Ties				10-10-11.	uns ut	uss excluding overhang is	A - J 182	2-898 G-E	678 - 101
Simpson Construction	Hardwa	are is specified b	ased on			*************	A-I 749 C-H 401	9 -73 E-F ∣-148	196 - 911
the most current inform	nation p	provided by Simp	son		110	ONHWAK L			
Strong-Tie catalog for	addition	nal information.	npson	3	er c	CENCEL			
Recommended hange	er conne	ections are based	on	100		· Lioniok · · ·			
manufacturer tested c	apacitie	es and calculation	S. Dections			No. 86367 🐁 💈			
than indicated. Refer t	to manu	facturer publicati	on for	Ê 🛔	e a				
additional information.									
chord is located a min	imes co imum o	f five times the d	orting epth of	ĒT		STATE OF			
the supporting chord f	rom any	/ unsupported en	d,		0.	STAIL OF			
coverage.	nora ena	a nas 85% platinį]			ORIDA			
Bearing at location x=	0'u	ises the following		•	120	S CONCENTRAL	/		
Support conditions: 0'	11526				**(VAL File			
Supporting Member	r: (2)2x6	6 SP 2400f-2.0E					、 、		
(4) 0.148"x3" nails	into sup	oporting)		
(3) 0.148"x3" nails	into sup	ported					·		
(I) Hanger Support Re	auired	by others		г	лог	C# 278 Voonbwak Kim EL PE	#86267		
(c)				Г	06/2	9/2021	2 1100307		
IMPORTA	**WAI NT	KNING** READ FURNISH THIS I	AND FO	G TO ALL NOTES ON TH	HIS DE S INCI	KAWING! LUDING THE INSTALLERS			
Trusses require extrem	ne care	in fabricating, ha	ndling, sh	hipping, installing and bracit	ng. Ŕ	efer to and follow the latest edition	of BCSI (Buildir	ng	
bracing per BCSI. Unle	ess note	d otherwise, top	chord sha	all have properly attached s	structu	ral sheathing and bottom chord sha	all have a prope	ŕly	
as applicable. Apply p drawings 160A-Z for st	plates to andard	plate positions	ss and po	sition as shown above and	d on the	e Joint Details, unless noted other ional information.	wise. Refer to	, I	

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SEQN: 313683 /	COMN	Ply: 1	Job Num	nber: 21-5558			Cust: R 215 JRef: 1X6O2150005 T42 /
FROM: CDM		Qty: 1	Nottingha	am			DrwNo: 180.21.0858.41980
			Truss La	ibel: A13			CS / YK 06/29/2021
			H	6'4"8 12	'9" 16'8"1 20'	7*2	
			1-	6'4"8 6'4	178 -17 - 3'11"1 -17 - 3'1	1*1	
					≡4×4		
		Ŧ					
					₹3X4		
				8 3X4 B			
		Į				2X4	
		0.10*1				Ì∎ T	
		ļ				a)	
			#3X4 A			21.15	
						N II Î	
		2'4"1					
		ŦŦ				━━━━━━━━━━━━━━━━━━━━━━━━━━━	
			∥2X4	≡3X4	≡5X6	₩2.5X6	
			L.		20772		
			▲.		2012	*	
			⊢	64*8 64 64*8 12	**************************************		
Les din a Ositenia (Martin al d	0-141-					Posstions (lbs)
	Wind S	Std: ASCE 7-16		Day NA Ct: NA CAT: NA	Defl/CSI Criteria	Gravit	Non-Gravity
TCDL: 10.00	Speed	: 130 mph		Pf: NA Ce: NA	VERT(LL): 0.016 B 999 240	Loc R+ /R	- /Rh /Rw /U /RL
BCLL: 0.00	Enclos	ure: Closed		Lu: NA Cs: NA	VERT(CL): 0.034 B 999 180	I 865 /-	/- /505 /- /230
BCDL: 10.00	Risk C	ategory: II		Snow Duration: NA	HORZ(LL): 0.006 F	F 865 /-	/- /502 /24 /-
Des Ld: 40.00	EXP: 0	KZI: NA Height: 15 73 ft			HORZ(TL): 0.012 F	Wind reaction	s based on MWFRS
NCBCLL: 10.00	TCDL:	5.0 psf		Building Code:	Creep Factor: 2.0	F Brg Width	n = - Min Req = - Min Req = -
Soffit: 2.00	BCDL:	5.0 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.555	Members not	listed have forces less than 375#
Load Duration: 1.25	MWFF	RS Parallel Dist: h	to 2h	IPI Std: 2014 Rep Eac: Ves	Max BC CSI: 0.000	Maximum To	p Chord Forces Per Ply (lbs)
Spacing: 24.0	C&C L)ist a: 3.00 ft om endwall: not ir	0 00 ft	FT/RT·20(0)/10(0)	Max Web COI. 0.323	Chords Tens	.Comp. Chords Tens. Comp.
	L00. II	GCpi: 0.18	13.00 11	Plate Type(s):		A - B 167	7 - 877 C - D 233 - 570
	Wind [Duration: 1.60		WAVE	VIEW Ver: 20.01.01A.0724.11	B-C 219	9 - 630
Lumber				Wind	•		
Top chord: 2x4 SP #2	;			Wind loads based on MWF	RS with additional C&C	Chords Tens	Comp
Bot chord: 2x4 SP #2; Webs: 2x4 SP #3:				member design.			4 470
				End verticals not exposed to	o wind pressure.	п-G 604	+ -1/0
Bracing				wind loading based on both	n gable and hip roof types.	Maximum We	b Forces Per Ply (lbs)
(a) Continuous lateral	restrain	it equally spaced of	on	Additional Notes		Webs Tens	.Comp. Webs Tens. Comp.
				The overall height of this tru	uss excluding overhang is	A-I 156	6-811 D-F 162-778
Hangers / Ties				10-10-11.		A-H 658	3 - 47
the most current inforr	Hardw nation r	are is specified ba provided by Simps	ased on son		NY N		
Strong-Tie. Please ref	er to the	e most recent Sim	ipson	aller .	NHWAK		
Strong-Tie catalog for	additio	nal information.		""", O	· CENO · Lang		
manufacturer tested c	er conne apacitie	ections are based is and calculations	on S.	2 °	CIOCHON ST.		
Conditions may exist t	hat req	uire different conn	ections		No. 86367 🐁 💈		
than indicated. Refer t additional information	o manu	facturer publicatio	on for				
Hanger specified assu	imes co	nnection to suppo	ortina	· A 0			
chord is located a min	imum o	f five times the de	pth of	50.	CTATE OF OCE		
the supporting chord fi	rom any	/ unsupported end d has 85% plating	1 ,	E.R.	STATE OF		
coverage.		a nao oo yo piaang			ALODIDA AS /		
Bearing at location x=	0' U	ises the following		and S.S.		/	
Support conditions: 0'	11526			1100	ONAL ELEMAN		
Supporting Member	r: (2)2x6	6 SP 2400f-2.0E		- • •	400000000000000000000000000000000000000		
(4) 0.148"x3" nails	into sup	porting					
(3) 0.148"x3" nails	into sur	ported			/		
member.	r				/		
(J) Hanger Support Re	equired,	by others		FLREG	# 278. Yoonhwak Kim FL PE #	86367	
				06/29/	2021		
	WA	RNING READ	AND FOL	LOW ALL NOTES ON THIS DE	RAWING!		
Trusses require extrem	NNI**	FURNISH THIS D	rkawiNG	DID ALL CONTRACTORS INC oping, installing and bracing R	LUDING THE INSTALLERS refer to and follow the latest edition	of BCSI (Buildin	na
Component Safety Info	ormation	n, by TPI and SBC	A) for saf	ety practices prior to performing	these functions. Installers shall p	rovide temporal	yĭ rlv ▲
attached rigid ceiling. L	ocation	s shown for perm	anent late	ral restraint of webs shall have	bracing installed per BCSI sections	B3, B7, or B10	, ´
drawings 160A-Z for st	andard	plate positions. R	efer to job	s General Notes page for addit	ional information.	moe. Reier lu	
Alpine, a division of IT\	N Build	ing Components (Group Inc.	shall not be responsible for any	y deviation from this drawing, any fa	ailure to build th	e AN ITW COMPANY

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SEQN: 313697 /	COMN	Ply: 1	Job Nu	mber: 21-5558			Cust: R 215 JRef: 1X6O2150005 T41 /
FROM: CDM		Qty: 1	Nottingh	am			DrwNo: 180.21.0858.41701
			Truss L	abel: A14			CS / YK 06/29/2021
			┝	6'4"8 6'4"8	12'9" 187"2 6'4"8 5'10"3	+	
					III4 X5		
		Ŧ			TC C		
						₹3X4	
				8 3X4 8 B		х т	
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		1010".					
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			W2V 4			511.14	
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			÷ []				
		Ŧ	⊥ ₩ <u>₩</u> H #2X4	G ≡5X5	=3X8		
			<u>k</u>		18'7*2	 1	
			⊬	6'4"8	6'4"8 5'10"3 12'9" 18'7"2	+	
Loading Criteria (psf)	Wind 9			Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	A Maximum R	v Non-Gravity
TCDL: 10.00	Speed	: 130 mph		Pf: NA CLINA CAT. NA	VERT(LL): 0.013 B 999 240	Loc R+ /R	- /Rh /Rw /U /RL
BCLL: 0.00	Enclos	ure: Closed		Lu: NA Cs: NA	VERT(CL): 0.028 B 999 180	H 781 /-	/- /460 /91 /228
BCDL: 10.00	Risk C	ategory: II		Snow Duration: NA	HORZ(LL): -0.004 B	I 781 /-	/- /484 /170 /-
Des Ld: 40.00	Mean	Height: 15.73 ft		Duildin a Ondar	HORZ(TL): 0.008 B	Wind reactions	based on MWFRS
NCBCLL: 10.00	TCDL:	5.0 psf		Building Code: EBC 7th Ed. 2020 Res	Creep Factor: 2.0	I Brg Width	= 6.4 Min Req = 1.5
Load Duration: 1 25	BCDL:	5.0 psf	to h/2	TPI Std: 2014	Max BC CSI: 0.469	Bearing I is a r	igid surface.
Spacing: 24.0 "	C&C D	ist a: 3.00 ft	10 11/2	Rep Fac: Yes	Max Web CSI: 0.668	Members not I	isted have forces less than 375#
	Loc. fr	om endwall: not in	4.50 ft	FT/RT:20(0)/10(0)		Chords Tens.	.Comp. Chords Tens. Comp.
	Wind [GCpi: 0.18		Plate Type(s):	VIEW Vor: 20.01.010.0724.11	A - B 125	
Lumber	WING L			WAVE	VIEW Ver. 20.01.01A.0724.11	B-C 174	- 505
Top chord: 2x4 SP #2				Wind loads based on MWF	RS with additional C&C		
Bot chord: 2x4 SP #2;	,			member design.		Chords Tens	Comp
vvebs: 2x4 SP #3;				End verticals not exposed t	o wind pressure.	G E 567	<u> </u>
Bracing				Wind loading based on both	h gable and hip roof types.	0-1 307	- 131
(a) Continuous lateral	restrain	t equally spaced of	n	Additional Notes		Maximum We	b Forces Per Ply (lbs)
				The overall height of this tru	uss excluding overhang is	Webs Tens.	Comp. Webs Tens. Comp.
Hangers / Ties				10-10-11.		A - H 122	2 - 728 F - D 489 - 88
the most current inforr	nation p	are is specified ba provided by Simps	sea on on	10.		A-G 567	-8 D-E 200 -736
Strong-Tie. Please ref	er to the	e most recent Sim	pson	anner.	NHWARK		
Strong-Tie catalog for Recommended bange	addition	al information.	nn	and C	CENCONT		
manufacturer tested c	apacitie	s and calculations	5.		LIOTHOR .		
Conditions may exist t	hat requ	uire different conn	ections		No. 86367 🔥 💈		
additional information.				Ē ķ .			
Hanger specified assu	imes co	nnection to suppo	rting				
the supporting chord f	imum o rom anv	t five times the de unsupported end	pth of	50.	STATE OF		
unless unsupported cl	nord en	d has 85% plating	,	÷0.°	AL AN AVE		
coverage.	o'	and the following			CORIDA	/	
support conditions: 0'	u u	ises the following		1. U.	Marian EN 1988		
Bearing H (0', 9'1"2)	LUS26	SP 2400f-2 0F			VAL		
(4) 0.148"x3" nails	into sup	porting					
(3) 0 148"x3" pails	into eur	ported)		
member.	into sup	poned					
				EL REG	# 278 Yoonbwak Kim EL PE #	186367	
				06/29/	/2021	100007	
	WAI	RNING READ	AND FO	LLOW ALL NOTES ON THIS DI	RAWING!		
Trusses require extrem	NIT** 1	FURNISH THIS D	KAWIN(dlina. sh	it ALL CONTRACTORS INC ipping, installing and bracing R	LUDING THE INSTALLERS Refer to and follow the latest edition	of BCSI (Buildir	ום
Component Safety Info	ormation ss note	, by TPI and SBC	A) for sa	fety practices prior to performing Il have properly attached structu	these functions. Installers shall p ral sheathing and bottom chord sha	rovide temporar	ý rlv
attached rigid ceiling. Las applicable. Apply r	ocation	s shown for perm	anent lat	eral restraint of webs shall have sition as shown above and on th	bracing installed per BCSI sections e Joint Details. unless noted other	B3, B7, or B10 wise. Refer to	,
drawings 160A-Z for st	andard	plate positions. R	efer to jo	b's General Notes page for addit	tional information.	-11	
Appine, a division of IT	W Build	ing components (∍roup Inc	snail not be responsible for any	y deviation from this drawing, any f	anure to build the	e AN ITW COMPANY

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SEQN: 313671 /	COMN	Ply: 1	Job Nu	mber: 21-5558			Cust: R 21	JRef: 1X6O215000	05 T40 /
FROM: CDM		Qty: 1	Nottingh	am			DrwNo: 1	80.21.0858.41451	
			Truss L	abel: A15			CS / Y	′K 06/29/202	21
				6'4*8	12'9" 16'7"2	1			
				6'4*8	6'4*8 3'10*3	I			
					≡4X4 C				
			T						
					*324	5			
						I T			
				8 33X4 8 B					
			-	· · · · · · · · · · · · · · · · · · ·					
			1.01.0		(a) b				
			Ī			- 15			
					(a) (a)	83			
				113X4 A					
			T						
			2'4"11						
			$\downarrow \downarrow$			1			
				H =5X5 G	=3X8	E I 6			
				k	16'7*2				
					6'4"8 3'10"3 12'9" - 16'7"2 -	1			
					.20 .072	1			
Loading Criteria (psf)	Wind (Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximu	um Reactions	(lbs)	
TCLL: 20.00	Wind S	Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	G Bi	Fravity	Non-Gravit	/PI
TCDL: 10.00	Speed	: 130 mph		Pf: NA Ce: NA	VERT(LL): 0.012 B 999 240		/ K- / KII	/ KW / U	/ KL
BCLL: 0.00	Risk C	ategory: II		Lu: NA Cs: NA	VERT(CL): 0.025 B 999 180	H 697	- -	/413 /50	/225
BCDL: 10.00	EXP: C	C Kzt: NA		Show Duration: NA	HORZ(LL): -0.005 B	I 697 Wind read	/- /- ctions based on	/468 /183	/-
Des Ld: 40.00	Mean I	Height: 15.73 ft		Building Code:	Creen Factor: 2.0	H Brg V	Vidth = -	Min Reg = -	
Soffit: 2.00	TCDL:	5.0 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.563	I Brg V	Vidth = 6.4	Min Req = 1.5	
Load Duration: 1 25	BCDL:	5.0 pst S Parallel Diet: 0	to h/2	TPI Std: 2014	Max BC CSI: 0.481	Bearing I	is a rigid surfac	e.	
Spacing: 24.0 "	C&C D)ist a: 3.00 ft	1011/2	Rep Fac: Yes	Max Web CSI: 0.370	Members	not listed have	forces less than 37	75# \
	Loc. fro	om endwall: Any		FT/RT:20(0)/10(0)		Chords T	Fens.Comp.	Chords Tens. (Comp.
		GCpi: 0.18		Plate Type(s):			400 077	D 0 010	000
	Wind D	Duration: 1.60		WAVE	VIEW Ver: 20.01.01A.0724.11	А-В	100 -0//	B-C 210	- 360
Lumber				Wind		Maximum	Bot Chord Fo	orces Per Ply (lbs)	`
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;				Wind loads based on MWF	RS with additional C&C	Chords 1	Fens.Comp.	, (,	,
Webs: 2x4 SP #3;				End vorticals not eveneed to		G - F	485 - 353	-	
				Wind loading based on both	h gable and his roof types	0.	100 000		
Bracing				Wind loading based on bou	gable and hip tool types.	Maximum	n Web Forces	Per Ply (lbs)	
member	restrain	it equally spaced	on	Additional Notes		Webs T	Tens.Comp.	Webs Tens. C	Comp.
				The overall height of this tru	uss excluding overhang is	A - H	206 - 646	F-D 490	- 244
Hangers / Ties				10-10-11.		A - G	484 - 25	D-E 389	- 672
Simpson Construction	Hardwa nation r	are is specified by	ased on	10.	NALAIA IN THE	B - F	351 - 388		
Strong-Tie. Please ref	er to the	e most recent Sim	ipson	29/21	ONFIVAR				
Strong-Tie catalog for	additior	nal information.	-	and O	·CENO · Le				
Recommended hange	r conne	ctions are based	on	11	Constant 3				
Conditions may exist t	apacitie hat requ	is and calculations	s. ections		No 86367 : 3				
than indicated. Refer t	o manu	facturer publication	on for						
additional information.				£ 7 9					
Hanger specified assu	mes co	nnection to suppo	orting	E-n ·					
the supporting chord fi	rom any	unsupported end	рито 1,	E.A.	STATE OF				
unless unsupported ch	nord end	d has 85% plating	Ĺ	=0, •	ALCONDA				
coverage.				4.6	CURIU	-1			
Bearing at location x=0	J' U	ises the following			SIDALAL ENJOY				
Bearing H (0', 9'1"2)	LUS26				VIVAL THE				
Supporting Member	: (2)2x6	SP 2400f-2.0E							
member,	into sup	porting							
(3) 0.148"x3" nails	into sup	ported			/				
member.									
				FL REC	J# 278, Yoonhwak Kim, FL PE	#86367			
				06/29	// 20/21				
IMDODTA	**WA	RNING READ		LLOW ALL NOTES ON THIS DE		_			
Trusses require extrem	ie care i	in fabricating, har	idling, sh	ipping, installing and bracing. R	efer to and follow the latest edition	of BCSI (B	uilding		
Component Safety Info	rmation ss note	n, by TPI and SBC	 A) for sa chord sha 	tety practices prior to performing all have properly attached structu	these functions. Installers shall r ral sheathing and bottom chord sh	provide temp all have a b	porary roperly		
attached rigid ceiling. L	ocation	s shown for perm	anent lat	eral restraint of webs shall have sition as shown above and on the	bracing installed per BCSI section e Joint Details unless noted othe	s B3, B7, or wise Refe	B10, er to		
drawings 160A-Z for st	andard	plate positions. R	efer to jo	b's General Notes page for addit	ional information.				VF

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SEQN: 313719 /	GABL	Ply: 1	Job Nu Nottingt	mber: 21-5558		Cust: R 215 JRef: 1X6O2150005 T39
		Gaty. 1	Truss L	.abel: A16		CS / YK 06/29/2021
				(NNL) 4'		
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind C Wind S Speed Enclos Risk C EXP: C Mean I TCDL: BCDL: BCDL: MWFR C&C E	Criteria Std: ASCE 7- I: 130 mph sure: Closed ategory: II C Kzt: NA Height: 15.51 f 5.0 psf S Parallel Dist S Parallel Dist a: 3.00 ft om endwall: Ar	16 : : 0 to h/2	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) FT/RT:20(0)/10(0) FT/RT:2000/10(0)	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.004 E 999 240 VERT(CL): 0.007 E 999 180 HORZ(LL): -0.011 A - - HORZ(TL): 0.024 A - - Creep Factor: 2.0 Max TC CSI: 0.337 Max BC CSI: 0.175 Max Web CSI: 0.282	▲ Maximum Reactions (Ibs), or *=PLF Gravity Non-Gravity Loc R+ / R- / Rh / 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#
	Wind F	GCpi: 0.18	iy	Plate Type(s):	VIEW Vor: 20.01.014.0724.11	
Top chord: 2x4 SP #2 Bot chord: 2x4 SP #2 Webs: 2x4 SP #3; Stack Chord: SC1 2x4 Bracing (a) Continuous lateral member. Fasten rated sheathin Plating Notes All plates are 2X4 exc Wind Wind loads based on member design. End verticals not expo Wind loading based of Additional Notes See DWGS A14030E gable wind bracing an Stacked top chord mu area (NNL). Dropped intervals. Attach stack	4 SP #2; restrain g to one ept as n MWFRS osed to v n both g NC1601 nd other ist NOT top chou ced top c	t equally space a face of this fra noted. S with additional wind pressure. gable and hip re 118 & GBLLET requirements. be notched or rd braced at 24 chord (SC) to d	ed on ame. al C&C pof types. IN0118 for cut in " oc ropped	A D D D D D D D D D D D D D D D D D D D	ONHWAK CENS No. 86367 STATE OF CORIDA	
oc. Center plate on st plate length perpendic chord in notchable are	acked/d cular to dea using	ropped chord i chord length. S 3x6.	nterface, plice top			
10-6-8.			inding is	FL RE 06/2	G# 278, Yoonhwak Kim, FL PE 9/2021	#86367
IMPORT/ Trusses require extrem Component Safety Info bracing per BCSI. Unle attached rigid ceiling. I as applicable. Apply drawings 160A-2 for si Alpine, a division of IT	**WAI ANT I ne care ormation ess note Location plates to tandard W Build	RNING** RE/ FURNISH THIS in fabricating, I b, by TPI and S d otherwise, to s shown for pe each face of t plate positions ing Componen UCPU 1 or for	AD AND FC S DRAWING handling, sh BCA) for sa p chord sha rmanent lai russ and pc . Refer to po ts Group In thandling	LLOW ALL NOTES ON THIS D G TO ALL CONTRACTORS INC ipping, installing and bracing. I afety practices prior to performin all have properly attached structi teral restraint of webs shall have sition as shown above and on ti bb's General Notes page for add c. shall not be responsible for ar	RAWING! CLUDING THE INSTALLERS Refer to and follow the latest edition g these functions. Installers shall p ural sheathing and bottom chord sha b pacing installed per BCSI sections re Joint Details, unless noted other itional information. y deviation from this drawing, any fa	of BCSI (Building rovide temporary all have a property s B3, B7, or B10, wise. Refer to ailure to build the at or cover name

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 Séc.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org





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SEQN: 379917 /	COMN	Ply:	2	Job Nu	mber: 21-5558			Cust: R 215 JRef: 1X6O2150005 T38
FROM: CDM Page 1 of 2		Qty:	1	Nottingh	nam abel: B02			DrwNo: 180.21.0858.42590
		∟ 	~ 20	Complete	e Trusses Required			00 / 11 00/20/2021
			`	, on pice				
					6'11"8			
					6'11"8	6'11"8	I	
			Ŧ			₩4X5 D		T
			Ī					Ī
			-		8			4
			- 57		#3X4 C	N N N N N N N N N N N N N N N N N N N	4	5111
					в		F	
			11'6					
			+ +	A I		V		<u> </u>
				∥2X ≡3	10(E3) // 2X10 3X4(E3)	\$2810	=3X4(E3)	
					<u> </u>	13'11"		
					A'7"11	/ ¹⁷ *11 / ¹⁷ *11	•	
				 - 1'6"	++	9'3"5 13'11"		
Loading Criteria (psf)	Wind	Criteri	ia		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximu	Im Reactions (Ibs)
TCLL: 20.00	Wind Speed	Std: / : 130	ASCE 7-16 mph		Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/#	Loc R+	ravity Non-Gravity /R-/Rh/Rw/U/RL
BCLL: 0.00	Enclos	ure: C	Closed		Lu: NA Cs: NA	VERT(CL): 0.069 G 999 180	I 3094	/- /- /- /374 /-
BCDL: 10.00	EXP: 0	ategor CKz	ry: II t: NA		Snow Duration: NA	HORZ(LL): 0.011 E	J 3484 Wind read	/- /- /- /- /365 /-
NCBCLL: 0.00	Mean TCDL ·	Height 5 0 ps	t: 15.00 ft sf		Building Code:	Creep Factor: 2.0	I Brg W	Vidth = 4.5 Min Req = 1.5
Soffit: 2.00	BCDL:	5.0 ps	sf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.345 Max BC CSI: 0.344	Bearing I is	is a rigid surface.
Spacing: 24.0 "	C&C E	ist a: 3	allel Dist: 0 3.00 ft	to n/2	Rep Fac: No	Max Web CSI: 0.497	Members I Maximum	not listed have forces less than 375#
	Loc. fr	om en GCn	dwall: not ir	n 9.00 ft	FT/RT:20(0)/10(0) Plate Type(s):		Chords T	ens.Comp. Chords Tens. Comp.
	Wind [Duratic	on: 1.60		WAVE	VIEW Ver: 21.01.01A.0521.20	B-C	223 - 1995 D - E 243 - 2124 212 - 1962 E - E 255 - 2157
Lumber							0.5	
Bot chord: 2x4 SP #2	, 00f-2.0E	;					Maximum Chords T	Bot Chord Forces Per Ply (lbs)
Lt Slider: 2x4 SP #3;	olock ler	ngth =	2.095				B-H	1591 - 164 G - F 1733 - 191
Rt Slider: 2x4 SP #3;	DIOCK IE	ngtn =	2.095				H-G	1181 - 140
Nailnote Nail Schedule:0.131"x	(3". min.	nails					Maximum	n Web Forces Per Ply (lbs)
Top Chord: 1 Row @	12.00" (4.00" o	D.C.					Webs T	ens.Comp. Webs Tens. Comp.
Webs : 1 Row @	4" 0.C.	.u. .we ar	nd stagger r	naile	111	"NHWAK"	H - D	975 - 58 D - G 1306 - 122
in each row to avoid s	plitting.	JWS ai	nu stagger i	ialis	anna C			
Special Loads						UCENSA		
(Lumber Dur.Fac. TC: From 64 plf a	.=1.25 / at -1.	Plate 50 to	Dur.Fac.=1 64 plf at	.25) 13.92		No. 86367 😘 💈		
BC: From 5 plf a BC: From 10 plf a	at -1. at 0	.50 to	5 plf at	0.00	Ē ķ .	i + i		
BC: 697 lb Conc. Lo	oad at 2	2.06			E D.			
BC: 865 lb Conc. Lo	oad at (5.06			E.R.	STATE OF		
BC: 1033 lb Conc. Lo	oad at 1	0.06				CORIDA TO C		
BC: TTTT ID CONC. LO	uad at i	2.00			13 U	S/ONINI ENGAN		
Wind loads and reacti	ons bas	ed on	MWFRS			Manufantinine (
Wind loading based o	n both g	gable a	and hip roof	types.				
Additional Notes						/		
The overall height of t	his trus	s exclu	uding overh	ang is	FL RE	G# 278. Yoonhwak Kim. FL PE	#86367	
5-7-0.					06/29	9/2021		
IMPORT	**WAI	rning Furn	3 READ	AND FO	OLLOW ALL NOTES ON THIS D G TO ALL CONTRACTORS INC	RAWING! CLUDING THE INSTALLERS		
Trusses require extrem Component Safety Info	ne care	in fabr	ricating, har	dling, sh A) for sa	hipping, installing and bracing. If afety practices prior to performing	Refer to and follow the latest edition these functions. Installers shall p	of BCSI (Bu	uilding oorary ranofu
attached rigid ceiling. L	ocation	s show	wise, top 0 wn for perm face of trus	anent lat	teral restraint of webs shall have	bracing installed per BCSI sections be Joint Details, unless noted other	s B3, B7, or wise. Refe	B10, er to
drawings 160A-Z for st Alpine, a division of IT	tandard W Build	plate ing Co	positions. R	efer to jo Group Ind	b's General Notes page for add	tional information.	ailure to buil	
truss in conformance v	vith ANS	SI/TPI	1, or for hance of prof	andling,	shipping, installation and bracin	ig of trusses. A seal on this drawing	ig or cover p	Dage 6750 Forum Drive

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



SEQN: 379917 / COMN	Ply: 2	Job Number: 21-5558	Cust: R 215 JRef: 1X6O2150005 T38	3 <i>i</i>
FROM: CDM	Qty: 1	Nottingham	DrwNo: 180.21.0858.42590	
Page 2 of 2		Iruss Label: B02	US / YK 06/29/2021	
FROM: CDM Page 2 of 2 Hangers / Ties Simpson Construction Hardwa the most current information p Strong-Tie. Please refer to the Strong-Tie catalog for addition Recommended hanger conne manufacturer tested capacitie Conditions may exist that requ than indicated. Refer to manu additional information. Hanger specified assumes co chord is located a minimum of the supporting chord from any unless unsupported chord end coverage. Bearing at location x=13'8" support conditions: 13'8" Bearing J (13'8", 9'1"2) HGU Supporting Member: (2)2x6 (20) 0.148"x3" nails into sup member, (6) 0.148"x3" nails into sup	Qty: 1 are is specified ba provided by Simps e most recent Sim hal information. Inctions are based is s and calculations uire different conn facturer publication nnection to support f five times the der of has 85% plating uses the following (\$26-2 5 SP 2400f-2.0E upporting ported	Notingham Truss Label: B02 sed on p soon n rections n for thing th of	DrwNo: 180.21.0858.42590 CS / YK 06/29/2021	
		ONHWAK KING		
		No. 86367 STATE OF CORIDA SONAL FLAG		
WAI **IMPORTANT I Trusses require extreme care Component Safety Information pacing per BCSI. Unless note attached rigid ceiling. Location as applicable. Apply plates to drawings 160A-2 for standard Alpine, a division of ITW Buildi truss in conformance with ANS listing this drawing, indicates a drawing for any structure is the For more information see these	RNING** READ FURNISH THIS D in fabricating, han , by TPI and SBC d otherwise, top c s shown for perm each face of trus plate positions. R ing Components (SI/TPI 1, or for ha ccceptance of prof e responsibility of e web sites: Alpir	AND FOLLOW ALL NOTES ON THIS DRAWING! RAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS dling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Bu A) for safety practices prior to performing these functions. Installers shall provide temp ord shall have properly attached structural sheathing and bottom chord shall have a pr nent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or and position as shown above and on the Joint Details, unless noted otherwise. Refe fer to job's General Notes page for additional information. iroup Inc. shall not be responsible for any deviation from this drawing, any failure to buil ndling, shipping, installation and bracing of trusses. A seal on this drawing or cover p sistonal engineering responsibility solely for the design shown. The suitability and use c ne Building Designer per ANSI/TPI 1 Sec.2. e: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: aw	uilding orary poperty B10, r to d the lage of fittis f this c.org d radia d the corg d the suite 305 d radia d radia d the suite 305 d radia d radia radia radia d radia d radia	e ANY



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







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





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



SEQN: 313653 /	COMN	Ply: 1	Job Nu	mber: 21-5558			Cust: R 215 JRef: 1	X6O2150005 T13 /
FROM: CDM		QTY: 6	Truss L	am abel: C02			CS / YK	06/29/2021
		 +	4'11"11 4'11"11	• • 9'11"5 • • 14'11" 4'11"11 • • 4'11"11		'5 29'10" 1 4'11"1		
			8		41111 4111 =4X4 (a) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	1 41111	- - - - - - - - - - - - - -	
		=3X4(E3)		- 5/4	-5,6 -5,4		≡3X4(E3)	
					- 29'10"		- 1	
		- ^{1'6"} - -	7'5"8 7'5"8	3 - - 75"8 3 14'11"	- - 7′5″8 - - 22'4″8	7'5"8 29'10"		
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind S Speed Enclos Risk C EXP: (Mean TCDL: BCDL: BCDL: MWFF C&C E Loc. fr	Criteria Std: ASCE 7-16 1: 130 mph sure: Closed tategory: II C Kzt: NA Height: 15.00 ft 5.0 psf S Parallel Dist: 0 Dist a: 3.00 ft rom endwall: Any GCpi: 0.18 Duration: 1.60	to h/2	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Cs: 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):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.091 L 999 24 VERT(CL): 0.173 L 999 18 HORZ(LL): 0.052 I - HORZ(TL): 0.099 I - Creep Factor: 2.0 Max TC CSI: 0.615 Max BC CSI: 0.838 Max Web CSI: 0.793	A Maximum F Gravit D Loc R+ / R D B 1491 /- N 1382 /- Wind reaction: B Brg Width N Brg Width Bearings B & Members not Maximum To Chords Tens B - C 515	Leactions (Ibs) y - / Rh /- / 82 /- / 732 s based on MWFR8 = 4.5 1 = 4.5 Min F N are a rigid surface listed have forces Re p Chord Forces P Comp. Chords 5 - 2009 F - G	Non-Gravity v /U / RL l /222 /309 2 /196 /- 3 Req = 1.8 Req = 1.6 e. sss than 375# ar Ply (Ibs) Tens. Comp. 494 - 1347
Lumber	vvina i	Juration: 1.60		WAVE	VIEW Ver: 20.01.01A.0724.11	C-D 490)-1917 G-H	531 - 1795
Top chord: 2x4 SP #2 Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x6 SP 2400 Bracing (a) Continuous lateral member. Loading Truss passed check fr chord live load in area clearance. Wind Wind loads based on member design.	; of-2.0E; of-2.0E; restrair or 20 ps as with 4 MWFR:	block length = 1. block length = 1 t equally spaced af additional bottor 12"-high x 24"-wid S with additional (.626' .626' on n e C&C	****	NHWAK KINA CENS No. 86367	E - F 494 Maximum Bo <u>Chords Tens</u> B - M 149 M - L 1323 Maximum We Webs Tens E - L 266 F - L 1080	t Chord Forces Pe <u>Comp.</u> Chords 1 - 317 L - K 3 - 187 K - J b Forces Per Ply (<u>Comp.</u> Webs 3 - 486 L - G 0 - 369	485 - 2040 r Ply (lbs) Tens. Comp. 1326 - 188 1508 - 323 (lbs) Tens. Comp. 270 - 492
Wind loading based o Additional Notes The overall height of t 10-10-11.	n both (able and hip roof	ang is	PROCKS	STATE OF	, ~)		
				FL REC 06/29	# 278, Yoonhwak Kim, FL PI /2021	E #86367		
IMPORTA Trusses require extren Component Safety Info pracing per BCSI. Unle attached rigid ceiling. I as applicable. Apply drawings 160A-Z for si Alpine, a division of IT	**WA ANT ne care ormatior ess note Locatior plates to tandard W, Build	RNING** READ FURNISH THIS I in fabricating, har by TPI and SBC d otherwise, top i s shown for perm each face of trus plate positions. F ling components	AND FO DRAWING Indling, sh CA) for sa chord sha lanent lat se and po Refer to jo Group Ind	LLOW ALL NOTES ON THIS D G TO ALL CONTRACTORS INC ipping, installing and bracing. R fety practices prior to performing all have properly attached structu eral restraint of webs shall have sition as shown above and on th b's General Notes page for addit c, shall not be responsible for an	RAWING! LUDING THE INSTALLERS lefer to and follow the latest edition these functions. Installers shall rail sheathing and bottom chord s bracing installed per BCSI section e Joint Details, unless noted oth ional information. y deviation from this drawing, any	on of BCSI (Buildin provide temporal hall have a prope ns B3, B7, or B10 erwise. Refer to v failure to build th		
truss in conformance v listing this drawing, ind drawing for any structu For more informations	with ANS licates a ure is the see thes	SI/TPI 1, or for h acceptance of pro- e responsibility of a web sites: Alpi	andling, fessional the Build ne: alpine	shipping, installation and bracin engineering responsibility solely ing Designer per ANSI/TPI 1 Sec itw.com: TPI: tpinst org: SBCA	g of trusses. A seal on this draw for the design shown. The suitab c.2. sbcindustry.com: ICC: iccsafe	ring or cover page ility and use of the	is 6750 Fo Suite 30 rg Orlando	orum Drive)5) FL, 32821

SEQN: 379940 /	COMN	Ply: 2	Job Nu	mber: 21-5558			Cust: R 215	JRef:1X6O2150005 T7 /
		Qty: 1	Truss I	am Label: D01			CS / YK	06/29/2021
		⇒ 20	Complet	e Trusses Required				
					01714.4	40148		
				- <u>3'8"2</u> - - 6'8" 3'8"2 - - 2'11'	<u>9'7"14</u> ∎14 2'11"14 • •	13'4" 3'8"2		
					⊪4X6 D			
		T						
				12 #4X6	₹4x6			
		<u>_</u>		8 C	E			
		- 5.4"1		#3X4		 \$\$3X4 		
						F		
			1116			Ä		
		<u>+</u>	<u>+</u> к					
			IIIb	x8(E5)		₩6X8(E5)		
				k-	13'4"			
					<mark>"14 2'11"14 - - 9'7"14 - -</mark>	3'8"2 13'4"		
Loading Criteria (psf)	Wind [,]	Criteria		Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum	Reactions (Ibs	;)
TCLL: 20.00	Wind Speed	Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Grav	ity R- /Rh	Non-Gravity / Rw / U / RL
BCLL: 0.00	Enclos	sure: Closed		Lu: NA Cs: NA	VERT(CL): 0.119 I 999 180) K 5697 /-	/-	/- /549 /-
BCDL: 10.00 Des Ld: 40.00	EXP: (C Kzt: NA		Snow Duration: NA	HORZ(LL): 0.016 C - HORZ(TL): 0.033 C -	 L 6354 /- Wind reaction 	/- ns based on M\	/- /603 /- VFRS
NCBCLL: 0.00	TCDL:	Height: 15.00 ft : 5.0 psf		Building Code:	Creep Factor: 2.0	K Brg Widt L Brg Widt	h = 4.5 h = 4.5	Min Req = 2.4 Min Req = 2.6
Load Duration: 1.25	BCDL: MWFF	: 5.0 psf २S Parallel Dist: 0	to h/2	TPI Std: 2014	Max BC CSI: 0.458	Bearings K & Members not	L are a rigid su listed have for	urface. ces less than 375#
Spacing: 24.0 "	C&C E Loc. fr	Dist a: 3.00 ft om endwall: Any		Rep Fac: No FT/RT:20(0)/10(0)	Max Web CSI: 0.643	Maximum To	op Chord Forc	es Per Ply (lbs)
	Wind [GCpi: 0.18 Duration: 1.60		Plate Type(s):	VIFW Ver: 21 01 01A 0521 20	A-B 36	52 - 3730 D	- E 267 - 2745
Lumber				Additional Notes		— B-C 35 C-D 26	54-3701 E 57-2744 F	- F 359 - 3764 - G 368 - 3793
Top chord: 2x4 SP #2 Bot chord: 2x6 SP 24	:; 00f-2.0E	≣;		The overall height of this tr 5-4-11.	uss excluding overhang is	Maximum Br	of Chord Force	s Por Phy (lbs)
Webs: 2x4 SP #3; W Lt Slider: 2x4 SP #3;	3 2x4 SF block lei	P #2; ngth = 1.500'				Chords Ten	s.Comp. Ch	nords Tens. Comp.
Rt Slider: 2x4 SP #3;	block le	ngth = 1.500'				A-J 298 J-I 298	87-283 I- 80-278 H	H 2982 - 283 - G 3058 - 288
Nail Schedule:0.131"	x3", min	. nails						
Top Chord: 1 Row @ Bot Chord: 2 Rows @	:12.00" (4.00" c	o.c. o.c. (Each Row)				Webs Ten:	s.Comp. W	ebs Tens. Comp.
Webs : 1 Row @ Use equal spacing be	4" o.c. tween r	ows and stagger r	nails	1111	NHWAK !!!!	J-C 129	95 -93 I- 14 927 E	E 97 - 1003
in each row to avoid s	plitting.			anni C	CENS	D-I 284	7 - 247	11 1362 - 100
(Lumber Dur.Fac	:.=1.25 /	Plate Dur.Fac.=1	.25)		No 96267			
TC: From 64 plf BC: From 10 plf	at 0. at 0.	.00 to 64 plf at .00 to 10 plf at	13.33 13.33		110.0030/			
BC: 1844 lb Conc. L 10.06,12.06	oad at 2	2.06, 4.06, 6.06, 8	3.06		······································			
Wind				R	STATE OF			
Wind loads and react	ions bas on both (ed on MWFRS.	types		ZORIDA T	L,		
Blocking			.jpool	and a start of the	SONAL ENTRA			
Apply additional nailir	ig over t	he following beari	ings	-,				
parallel to grain. In lie	u of add	litional nailing,)		
prevent buckling of m Bearing 1 located at	embers 0.0' (b	over the bearings	s: if used)		/			
Bearing 2 located at	13.0' (l	blocking >= 3.50"	' if used)	FL RE0 06/29	G# 278, Yoonhwak Kim, FL Pl 9/2021	E #86367		
JMDOPT	**WA	RNING READ		DLLOW ALL NOTES ON THIS D				
Trusses require extrer Component Safety Inf	ne care ormatior	in fabricating, har n, by TPI and SBC	ndling, sh CA) for sa	hipping, installing and bracing. I	Refer to and follow the latest edition of the second secon	on of BCSI (Build	ing Iry	
bracing per BCSI. Unl attached rigid ceiling. as applicable. Apply	ess note Location plates to	a otherwise, top o s shown for perm each face of trus	cnord sha nanent la ssjand po	all nave properly attached structi teral restraint of webs shall have osition as shown above and on th	ural sneathing and bottom chord s bracing installed per BCSI section pe Joint Details, unless noted oth	snall have a prope ons B3, B7, or B1 erwise. Refer to	eriy 0,	
drawings 160A-Z for s Alpine, a division of IT	tandard W Build	plate positions. R ling Components	tefer to jo Group In	bb's General Notes page for add c. shall not be responsible for ar	itional information. In deviation from this drawing, an	failure to build t	he	
Itruss in conformance v listing this drawing, ind	vith ANS licates a	SI/TPI 1, or for ha	andling, fessional the Build	shipping, installation and bracir engineering responsibility solely ling Designer per ANSI/TPL1	ng of trusses. A seal on this drav v for the design shown. The suitat to 2	ving or cover pag bility and use of th	e 67 his Si	50 Forum Drive uite 305
For more information	see thes	se web sites. Alpir	ne: alpin	eitw.com: TPI: tpinst.org: SBCA	: sbcindustry.com: ICC: iccsafe.	ora: AWC: awc.o	ora O	rlando FL, 32821





SEQN: 379929 /	ATIC	Ply: 1	Job Nun	nber: 21-5558			Cust: R 215 JRef: 1X6	оосото общиство общист
FROM: CDM		Qty: 4	Nottingha	am			DrwNo: 180.21.0858	.41933
			Truss La	abel: G01			CS / YK 0	6/29/2021
			2'6"3	++- 11'4"8 8'10"5	20'2"13 8'10"5	22'9"		
			205	0103	0100	203		
					W4X10 W3X4			
	-	Ŧ		=4X5(**) =4X5(**)		Ŧ	
					R3			
				13 E	100 W12X10			
		 % T					۳ ۲	
		99 10 1		3X4 5X5	8.23.8	4X5	8.1.1	
		0.8		c DTT	Ĩ II >	K		
		* 4	T1 IX8(B2)			T4		
			B					
	-						\searrow	
		r -		12X4 =6X6=6X8	=6X6 ⊪4×10	₩2X4	· -	
			<u>k</u>		22'9"	-1		
		<u>⊢</u> 1'6"	2'6"3	-l- ^{3'6"13} -l-	10'7"3'6"1	3 2'6"3		
		1.0	2'6"3	6'1"	16'8" 20'2'	13 22'9"		
						→ 1	'6" -	
	Wind	Critoria		Snow Critoria (De Df in DSE)	Dofl/CSI Critoria	A Maximum R	eactions (lbs)	
TCI1 · 20.00	Wind S	Std: ASCE 7-16		Pa: NA Ct: NA CAT: NA	PP Deflection in loc I /defl I /#	Gravit	y No	on-Gravity
TCDL: 10.00	Speed	: 130 mph		Pf: NA Ce: NA	VERT(LL): 0.257 Q 999 240	Loc R+ /R	/ Rh / Rw	/U / RL
BCLL: 0.00	Enclos	ure: Closed		Lu: NA Cs: NA	VERT(CL): 0.560 Q 487 180) U 1986 /-	/- /655	/184 /267
BCDL: 10.00		ategory: II		Snow Duration: NA	HORZ(LL): 0.155 E	V 1951 /-	/- /655	/184 /-
Des Ld: 40.00	Mean I	Height: 15.00 ft		Duilding Code	-HORZ(TL): 0.342 E	Wind reactions	based on MWFRS	a – 16
NCBCLL: 10.00	TCDL:	5.0 psf		Building Code: EBC 7th Ed. 2020 Res	May TC CSI: 0 992	V Brg Width	= 4.5 Min Re	q = 1.6
Load Duration: 1 25	BCDL:	5.0 psf	to h/2	TPI Std: 2014	Max BC CSI: 0.681	Bearings U & V	✓ are a rigid surface.	
Spacing: 24.0 "	C&C D	ist a: 3.00 ft	1011/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.578	Members not li	isted have forces less	s than 375#
	Loc. fro	om endwall: Any		FT/RT:20(0)/10(0)		Chords Tens.	.Comp. Chords	Tens. Comp.
		GCpi: 0.18		Plate Type(s):		B-C 352		711 - 41
	wind L	Duration: 1.60		WAVE	VIEW Ver: 21.01.01A.0521.20		5-2660 H-I	393 - 1862
Lumber	0.04 0.05	- T4 0/4 CD M 0	4.			D-E 355	-2631 I-J	355 - 2613
T4 2x4 SP #2;	001-2.05	2; 11 2x4 5P M-3	1,			E-F 392 E-G 720	∶-1852 J-K \ _42 K-I	335 - 2642 341 - 2212
Bot chord: 2x8 SP 240	00f-2.0E	; B3 2x4 SP #2;				1 0 720		041 2212
Lt Wedge: 2x4 SP #3,	Rt Wed	ge: 2x4 SP #3;				Maximum Bot	t Chord Forces Per	Ply (lbs)
Plating Natao						Chords Tens.	Comp. Chords	Tens. Comp.
(**) 2 plate(s) require	snecialı	oositioning Refer	to			B - S 1870	- 175 P - O	1807 - 187
scaled plate plot detai	is for sp	ecial positioning	10			S-R 1892 R-O 1892	∶-177 O-N	1807 - 187 1783 - 186
requirements.					*************	Q-P 1921	-131	1765 - 160
Purlins				112	ONHWAK K			
Collar-tie braced with	continuo	ous lateral bracing	g at 24"	and C	CENCEL	Maximum We	b Forces Per Ply (lb	s)
oc. or rigid ceiling.						Webs Tens.	Comp. Webs	Tens. Comp.
Wind					No 86367 . 3	S-C 68	-745 T-H	561 - 3086
Wind loads based on	MWFR	S with additional (C&C			Q-E 1289 F-T 561	/ U I-P ∣-3086 K-N	1238 0 74 - 818
member design.					- <u>+</u> - : T :	G-T 852	2 - 147	
Wind loading based o	n both g	able and hip roof	types.	20.	CTATE OF .QE			
Additional Notes				E.R.	STATE UF			
The overall height of t	his truss	s excluding overh	ang is		· MADIOR · ··································	/		
8-6-6.				9455		-/		
	IODIFIE	D!		×111	PONAL EL			
						/		
				FL RE	G# 278, Yoonhwak Kim, FL PI	E #86367		
				06/2	9/2021			
	WA	RNING READ	AND FOI	LOW ALL NOTES ON THIS D	RAWING!			
	ANT**	FURNISH THIS D		TO ALL CONTRACTORS INC	LUDING THE INSTALLERS	o of BCSI (Building		
Component Safety Info	prmation	, by TPI and SBC	CA) for saf	ety practices prior to performing	these functions. Installers shall	provide temporar	lg <u>Y</u>	
attached rigid ceiling. L	ocation	s shown for perm	anent late	eral restraint of webs shall have	bracing installed per BCSI section	is B3, B7, or B10	,	
drawings 160A-Z for st	tandard	plate positions. R	s and pos lefer to job	billion as shown above and on tr o's General Notes page for addi	tional information.	iwise. Refer to	٦	PÌNF
Alpine, a division of IT	W Buildi	ing Components	Group Inc	shall not be responsible for an	y deviation from this drawing, any	failure to build the		AN ITW COMPANY
listing this drawing ind	licates a	CCEPTANCE OF DO	anuing, s fessional (engineering responsibility solely	for the design shown. The suitable	lity and use of this	s 6750 Foru	um Drive

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Suite 305 Orlando FL, 32821

SEQN: 379938 /	ATIC	Ply:	2	Job Num	ber: 21	5558							Cust: R 24	15 JRef:1)	(6021500)05 Т8 / [`]
FROM: CDM		Qty:	1	Nottingha	im Ibel: G0	2							DrwNo:	180.21.085	8.41449	121
		∟			T	- Deguined							00 /		00/23/20	21
				omplete	Trusse	s Requirea										
				2	e*2		1/450		20/2512		2210*					
				+ 2 2	6'3 +-	8	14 8		8'10"5		26"3					
								⊪4X10 G								
		Ţ	F				≡4X5(' F	=4X5(**) H					T			
					12	Ⅲ 3X8		B3	12X10							
			ŧŦ		8 💆				\mathbf{A}				1.3			
		Ĩ	í		c 25X			- 6'3'		44,5	ĸ		8			
			- 40	T1 ∭4X8(B2) ∕		<u> </u>					₩4X8(B2 T4	2)				
			1 1									<				
		Ŧ			/_/	-	///	////	~~	1///		\mathcal{A}	Ŧ			
					∎2X4	=6X6=6X8			∎4X10	=6X6 II2	X4					
				<u> </u>	5'					- *	5'					
				2	6"3 _	3'6"13		10'7"	يلد	3'6"13	2'6"3					
			I	2	6"3	6'1"		16'8"	-1-	20'2"13	22'9'	4101 - 1				
											7	· 16' +				
Loading Criteria (psf)	Wind (Criteri	a		Snow C	riteria (Pg,	Pf in PSF)	Defl/CSI Crite	ria		▲ Maxim	num Re	actions	; (lbs), or *	=PLF	
TCLL: 20.00	Wind Speed	Std: /	ASCE 7-16 mph		Pg: NA	Ct: NA	CAT: NA	PP Deflection i	in loc L 005 O	/defl L/#	Loc R+	Gravity / R-	/ Rh	יי AW/Rw	von-Gra	/ RL
BCLL: 0.00	Enclos	ure: C	losed		Lu: NA	Cs: NA	06.114	VERT(CL): 0.	013 Q	999 180	U* 95	/-14	2 /-	/76	/46	/75
BCDL: 10.00	Risk C	ategor	'y:ll ⊦NA		Snow D	uration: NA		HORZ(LL): 0.	003 I		R* 351	/-	/-	/61	/19	/-
Des Ld: 40.00	Mean I	Height	: 15.00 ft		Building	Code:		-HORZ(TL): 0.	006 I 2 0		R 0° 212	/- /-11	/- 77	/97	/40	/-
Soffit: 2.00	TCDL:	5.0 ps	sf sf		FBC 7th	Ed. 2020 F	Res.	Max TC CSI:	0.135		O	/-11:	30			
Load Duration: 1.25	MWFR	S Par	allel Dist: 0	to h/2	TPI Std:	2014		Max BC CSI:	0.270		U Brg	Width :	based o = 60.0	Min R	eq = -	
Spacing: 33.8 "	C&C D)ist a: 3	3.00 ft dwall: Anv		Rep Fac FT/RT:2	20(0)/10(0)		Max Web CSI:	0.093		R Brg	Width :	= 152	Min R Min R	eq = -	
		GCp	i: 0.18		Plate Ty	pe(s):					Bearings	5 U, R,	= 00.0 & O are	a rigid surf	eq = - face.	
1	Wind E	Duratio	on: 1.60		WAVE			VIEW Ver: 21.0	01.01A.(0521.20	Member	s not lis m Ton	sted have	e forces les	ss than (375# s)
Top chord: 2x6 SP 24	00f-2.0E	: T1 2	2x4 SP M-3	1:	Nec	ative reaction	es on(s) of -71	0# MAX. from a	non-win	d	Chords	Tens.C	Comp.	Chords	Tens.	Comp.
T4 2x4 SP #2;	00. 2.0E		v4 60 #2	.,	load	l case requi	res uplift co	nnection. See M	laximum	1	E - F	164	- 421	H - I	165	- 421
Webs: 2x4 SP #3;	JUI-2.0E	, do z	x4 3F #2,		The	overall heid	aht of this tr	uss excludina ov	verhang	is						
Lt Wedge: 2x4 SP #3;	RtWed	ge: 2x	4 SP #3;		8-6-	6.		.		-						
Nailnote					WIN	ID LOAD C	ASE MODIF	FIED!								
Top Chord: 1 Row @	(3", min. 12.00" c	nails														
Bot Chord: 1 Row @	12.00" o 4" o c	.C.						**********	111100							
Use equal spacing be	tween ro	ows an	nd stagger r	nails			20100	ONHWA	KK	110						
In each row to avoid s	plitting.						and C	CEN		1º00						
Plating Notes									Ś							
(**) 2 plate(s) require	special i	ocea. positio	nina. Refer	to				No. 863	67							
scaled plate plot detai	Is for sp	ecial p	ositioning				*	uter 🚖 esta		**						
						1 a a		OTATE /	1	. 23						
Purlins		ourlin	s to braco	TC @		ā	ER.	SIAIEC	JF							
24" oc.		; punin	is to brace					·ZORID	A	8 38 1						
Collar-tie braced with	continuo	ous lat	eral bracing	g at 24"			11,5	SIG	EN	and a						
								UNAL	Time							
Wind loads based on	MWERS	Swith	additional (280						5						
member design.			additional	540												
Wind loading based o	n both g	jable a	and hip roof	types.												
							FL REO	G# 278, Yoonh	iwak Ki	im, FL PE	#86367					
	**\&/ ^ P															
IMPORT	NT	FURN	ISH THIS D			_CONTRAC	CTORS INC	LUDING THE I	NSTALL	ERS		. ::				
Component Safety Info	ne care i prmation	in tabr i, by Ti	icating, har PI and SBC	naling, shij CA) for şaf	oping, in ety prac	stalling and tices prior to	bracing. R	these functions	w the la	itest edition	of BCSI (Building	j		÷	
attached rigid ceiling. L	-ocation	s show	wise, top o wn for perm	anora shal anent late	ral restr	aint of webs	shall have	bracing installed	d per BC	SI sections	all nave a s B3, B7, c wise B2	propert or B10, fer to	у			
drawings 160A-Z for st	andard	plate p	positions. R	lefer to job	s Gene	ral Notes pa	age for addi	tional informatio	n.		wise. Re			Ìک	PÌ	NF

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SEQN: 379935 / FROM: CDM Page 1 of 2	ATIC	Ply: 1 Qty: 6	Job Number: 21-555 Nottingham Truss Label: G04	8				Cust: R 215 DrwNo: 180.2 CS / YK	IRef:1X6O2150005 T6 21.0858.42152 06/29/2021
		F	2'6"3 2'6"3	11'4"8 8'10"5	+	20'2"13 8'10"5		22'9" 2'6"3	
			$8 \frac{12}{93X} \frac{12}{5X5}$	=	H4X10 H12X4 G H4X5(**) H H H H H H H H H H H H H	U2X10 	*435 *334 ******************************	F14 U	
		 − 1'6" -+ −	2'6"3 3'6"13 2'6"3 6'1"	-+-	10'7" 16'8"		3'6"13 20'2"13	2'6"3 22'9"	
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Lumber Top chord: 2x6 SP 24 T4 2x4 SP #2; Bot chord: 2x6 SP 24 T4 2x4 SP #3; Lt Wedge: 2x4 SP #3; Lt Wedge: 2x4 SP #3; Lt Wedge: 2x4 SP #3; Plating Notes (**) 2 plate(s) require s scaled plate plot detai	Wind G Speed Enclos Risk C EXP: C Mean I TCDL: BCDL: BCDL: MWFR C&C D Loc. fro Wind D 00f-2.0E Rt Wed special s for sp	Criteria Std: ASCE 7-16 : 130 mph sure: Closed ategory: II C Kzt: NA Height: 15.00 ft 5.0 psf 5.0 psf S Parallel Dist: 0 Dist a: 3.00 ft om endwall: Any GCpi: 0.18 Duration: 1.60 E; T1 2x4 SP M-3 i; B3 2x4 SP #2; lge: 2x4 SP #3; positioning. Refer recial positioning	to	ria (Pg,Pf in PSF) Ct: NA CAT: NA Ce: NA Cs: NA de: . 2020 Res. 014 o)/10(0) s):	Defl/CSI Criteria PP Deflection in VERT(LL): 0.2: VERT(CL): 0.5: HORZ(LL): 0.1: HORZ(TL): 0.3: Creep Factor: 2. Max TC CSI: Max BC CSI: Max Web CSI: VIEW Ver: 21.01	a loc L/defl L/# 55 P 999 240 60 P 487 180 54 E 0 0.982 0.681 0.579	▲ Maximum Grav Loc R+ // T 1989 /- U 1844 /- Wind reactio T Brg Wid Bearing T is Members no Maximum T Chords Ten B - C 3 C - D 3 D - E 3 E - F 3 F - G 7. Maximum B Chords Ten B - R 18 R - Q 18 C - 2 18	Reactions (lbs ity R- / Rh /- /- ns based on MV + th = - a rigid surface. t listed have force op Chord Force op Chord Force - 36 - 2668 H 56 - 2669 I 21 - 42 K ot Chord Force s.Comp. ct Chord Force s.Comp. ct Chord Force s.Comp. ct 23 - 828 J 21 - 42 K ot Chord Force s.Comp. ct 23 - 8249 N 95 - 251 M	Non-Gravity / Rw / U / RL /655 /185 /246 /560 /151 /- VFRS Min Req = 1.6 Min Req = - bin Req = - ces less than 375# ces Per Ply (lbs) bords Tens. Comp. - - H 715 -42 - I 394 -1867 J 362 -2624 K 342 -2653 - L 361 -2251 es Per Ply (lbs) ords Tens. Comp. - N 1850 -261 - N 1850 -261 - M 1826 -259
requirements. Purlins Collar-tie braced with	continu	us lateral bracing	1 at 24"	annual Contraction	ONHWAR	Killer	Q-P 18 P-O 19 Maximum W	28 - 251 M 28 - 134 /eb Forces Per	- L 1826 - 259 Plv (lbs)
Wind loads based on member design. Wind loading based on Mind loading based of Additional Notes The overall height of the 8-6-6. WIND LOAD CASE M	MWFRS n both g nis truss	S with additional C pable and hip roof s excluding overha	au ∠4 S&C types. ang is	And BROCK	NO. 8636 STATE OI	7 7 West with C	Webs Ten R - C P - E 12 F - S 5 5 G - S 8	s.Comp. W 77 - 749 S - 33 0 I - 55 - 3097 K - 55 - 148	ebs Tens. Comp. - H 565 - 3097 O 1243 0 - M 68 - 810
IMPORTA Trusses require extrem Component Satety Info bracing per BCSI. Unit attached rigid ceiling. I as applicable. Apply C	**WAI	RNING READ FURNISH THIS D in fabricating, har , by TPI and SBC d otherwise, top o s shown for perm each face of trus	AND FOLLOW ALL N RAWING TO ALL CO dling, shipping, instal A) for safety practice hord shall have prope anent lateral restraint stand position as sho	FL RE 06/2 NOTES ON THIS DNTRACTORS IN s prior to performine ry attached struc of webs shall hav wn above and on	EG# 278, Yoonhw 29/2021 DRAWING! ICLUDING THE INS Refer to and follow ng these functions, tural sheathing and e bracing installed the Joint Details, u	rak Kim, FL PE STALLERS the latest edition Installers shall p bottom chord sha per BCSI sections nless noted other	#86367 of BCSI (Build rovide tempor all have a prop s B3, B7, or B1 wise. Refer to	ling ary eny 0, 0	
drawings 160A-Z for st Alpine, a division of IT truss in conformance v	andard N Build vith ANS	plate positions. R ing Components (SI/TPI 1, or for h	eter to job's General I Group Inc. shall not be andling, shipping, ins	Notes page for add e responsible for a stallation and brac	ditional information. any deviation from thing of trusses. A s	his drawing, any fa eal on this drawin	ailure to build t	the Ie 67	4LPINE AN ITW COMPANY 50 Forum Drive

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	1					
SEQN: 379935 / ATIC	Ply: 1	Job Number:	21-5558	Cust: R 2	15 JRef: 1X6O2150005	T6
Page 2 of 2	QTY: 6	Nottingnam	604	Drwino:	180.21.0858.42152 VK 06/29/2021	
Hangers / Ties		Truss Label.	004	03 /	11 00/23/2021	
Simpson Construction Hardw the most current information I Strong-Tie. Please refer to th Strong-Tie catalog for additio Recommended hanger conne manufacturer tested capacitie	are is specified ba provided by Simps e most recent Sim nal information. actions are based as and calculations	ased on son ipson on s.				
Conditions may exist that req than indicated. Refer to manu additional information. Hanger specified assumes co	uire different conn facturer publication pronection to support	nections on for prting				
the supporting chord from any unless unsupported chord en coverage. Bearing at location x=22'6"	unsupported end d has 85% plating uses the following	g				
support conditions: 22'6" Bearing U (22'6", 9'1"2) HUS Supporting Member: (2)2x' (14) 0.148"x3" nails into su member, (4) 0.148"x3" nails into su member.	S26 5 SP 2400f-2.0E upporting pported					
			No. 86367			
			STATE OF			
			CORIDA CHANNEL			
			FL REG# 278, Yoonhwak Kim, FL PE #86367			
WA **IMPORTANT Trusses require extreme care Component Safety Information bracing per BCSI, Unless note	RNING** READ FURNISH THIS E in fabricating, har by TPI and SBC d otherwise, top of	AND FOLLOW DRAWING TO / Idling, shipping CA) for safety pi chord shall have	/ ALL NOTES ON THIS DRAWING! ALL CONTRACTORS INCLUDING THE INSTALLERS , installing and bracing. Refer to and follow the latest edition of BCSI (Buildin ractices prior to performing these functions. Installers shall provide temporan e properly attached structural sheathing and bottom chord shall have a proper	g /		
attached rigid ceiling. Location as applicable. Apply plates to drawings 160A-Z for standard Alpine, a division of ITW Build truss in conformance with ANS listing this drawing, indicates a drawing for any structure is th	is snown for perm b each face of trus plate positions. R ling Components (SI/TPI 1, or for ha acceptance of proj e responsibility of	anent lateral re is and position lefer to job's Ge Group Inc. shal andling, shippi fessional engin the Building De	Estraint or webs shall have bracing installed per BCSI sections B3, B7, or B10, as shown above and on the Joint Details, unless noted otherwise. Refer to aneral Notes page for additional information. I not be responsible for any deviation from this drawing, any failure to build the ng, installation and bracing of trusses. A seal on this drawing or cover page eering responsibility solely for the design shown. The suitability and use of this signer per ANSI/TPI 1 Sec.2.	9	6750 Forum Drive Suite 305	
For more information see thes	e web sites: Alpi	ne: alpineitw.co	om; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org	g	Orlando FL, 32821	





SEQN: 379923 /	COMN Ply: 2	Job Nur	nber: 21-5558			Cust: R 215 JRef: 1X6O2150005 T29		
FROM: CDM	ROM: CDM Qty: 1 Nottingham DrwNo: 180.21.0858.42169 Truss Label: G07 CS Y K 06/29/2021							
	2(`omplete	Trusses Required			00 / 11 00/23/2021		
		ompiere	riusses Requireu					
			4'3" 7'9"12 11'4'	"8 14'11"4 18'6"	22'9"			
		-	4'3" 3 '6"12 3'6"1	12	4'3"			
				₩4X4 E				
	Ť							
			#3X4	\$3X6 F				
			12					
	 م		8 #3X4	₩4x6				
	% 							
		<i>∎</i> 3X4			₩3X4			
		A						
	1176				¥			
	2X ■	0 ¹²¹ 10(E3) 3X4(E3)	$\lim_{N \to \infty} \sum_{m=3}^{N} \sum_{k=1}^{M} \sum_{k=1}^{M} \sum_{m=1}^{M} \sum_{k=1}^{M} \sum_{k=1$	KJ ≡7X6 ≡3X5 ∭2X10	■ 2X10(E =3X4(E3)	3)		
		k	11'9"6		*			
		<u>⊢ :</u>	<u>4'3" + 3'6"12 + 3'6"1</u> 4'3" + 7'9"12 + 11'4'	12 = - 3'6"12 = - 3'6"12 = - "8 = - 14'11"4 = - 18'6" = -	4'3" 22'9"			
Loading Criteria (psf)	Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum R	eactions (lbs)		
TCLL: 20.00	Wind Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	/ Non-Gravity		
BCLL: 10.00	Enclosure: Closed		Lu: NA Cs: NA	VERT(LL): 0.026 J 999 240 VERT(CL): 0.053 J 999 180	0 535 /-	/ · · · /78 /-		
BCDL: 10.00	Risk Category: II		Snow Duration: NA	HORZ(LL): 0.006 E	L 4840 /-	/0 /- /558 /0		
Des Ld: 40.00	Mean Height: 15.00 ft		Building Code:	HORZ(TL): 0.012 E	P 2672 /- Wind reactions	/- /- /349 /- based on MWFRS		
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.118	O Brg Width	= 4.5 Min Req = 1.5		
Load Duration: 1.25	MWFRS Parallel Dist: 0	to h/2	TPI Std: 2014 Rep Eac: No	Max BC CSI: 0.397	P Brg Width	= 4.5 Min Req = 2.0 = 4.5 Min Req = 1.5		
Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: not ir	n 9.00 ft	FT/RT:20(0)/10(0)	Max Web CSI. 0.404	Bearings O, L, Members not li	& P are a rigid surface.		
	GCpi: 0.18		Plate Type(s):		Maximum Top	Chord Forces Per Ply (lbs)		
Lumber	wind Duration: 1.60		WAVE	VIEW Ver: 21.01.01A.0521.20	Chords Tens.	Comp. Chords Tens. Comp.		
Top chord: 2x4 SP #2	•				F-G 81 G-H 188	- 551 H - I 197 - 1564 - 1540		
Bot chord: 2x6 SP 24 Webs: 2x4 SP #3;	00f-2.0E;							
Lt Slider: 2x4 SP #3; I Rt Slider: 2x4 SP #3;	block length = 1.500' block length = 1.500'				Maximum Bot Chords Tens.	Chord Forces Per Ply (lbs) Comp. Chords Tens. Comp.		
Nailnoto					L-K 794	- 108 J - I 1251 - 150		
Nail Schedule:0.131">	3", min. nails				K - J 1210	- 146		
Top Chord: 1 Row @ Bot Chord: 1 Row @	12.00" o.c. 5 75" o.c				Maximum Wel	b Forces Per Ply (lbs)		
Webs : 1 Row @	4" 0.C.	voile		"NHWAK !!!!	Webs Tens.	Comp. Webs Tens. Comp.		
in each row to avoid s	plitting.	ialis	and C	CENCEL	M-D 504	-12 F-K 1084 -95		
Special Loads				- Cloruster :	L-F 112	-987 G-J 1271 -111		
(Lumber Dur.Fac	.=1.25 / Plate Dur.Fac.=1	.25)		No. 86367 , 💈				
BC: From 20 plf	at 0.00 to 20 plf at	22.75	*	_ <u>+</u> _ ; <u>*</u> ≣				
BC: 865 lb Conc. L BC: 949 lb Conc. L	oad at 8.75 oad at 11.58		50.					
BC: 1033 lb Conc. L BC: 1117 lb Conc. L	oad at 14.41 oad at 17.23		E.D.	STATE OF				
BC: 2170 lb Conc. L	oad at 19.99			ZORIDA				
Wind			and the second se	STONIAL ENVIRONMENT	/			
Wind loads and react	ions based on MWFRS.	typos		A A A A A A A A A A A A A A A A A A A				
	in both gable and hip tool	types.)			
Additional Notes	his truss excluding overh	ana is			/			
8-6-6.	The trube excluding event				106067			
			FL RE 06/2	29/2021	#80307			
				RAWING				
	ANT** FURNISH THIS D	RAWING	G TO ALL CONTRACTORS INC	LUDING THE INSTALLERS	of BCSI (Buildin	a		
Component Safety Info	prmation, by TPI and SBC	A) for sat	fety practices prior to performing Ill have properly attached structu	these functions. Installers shall p iral sheathing and bottom chord sha	rovide temporary			
attached rigid ceiling. I as applicable. Apply	Locations shown for perm plates to each face of trus	anent late	eral restraint of webs shall have sition as shown above and on th	bracing installed per BCSI sections e Joint Details, unless noted other	B3, B7, or B10, wise Refer to			
Alpine, a division of IT	andard plate positions. R W Building Components (erer to jol Group Inc	b S General Notes page for additional sector additional sector and the responsible for an additional sector and the responsible for an additional sector additional secto additional sector additional sector additin additional sector additional sector additional	uonal information. y deviation from this drawing. any fa	ailure to build the			
truss in conformance v	vith ANSI/TPI 1, or for ha	andling, s	shipping, installation and bracin	g of trusses. A seal on this drawin	g or cover page	6750 Forum Drive		

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SEQN: 313636 / FROM: CDM	EJAC Ply: 1 Qty: 3	Job Number: 21- Nottingham Truss Label: J01	5558			Cust: R 215 JRef: 1X6O2150005 T45 DrwNo: 180.21.0858.42403 CS / YK 06/29/2021
				- <mark> - 5' -</mark> 2'7"8 −		
	436	A	8 12 III2X 8 3X4 B 4 3X4 C 4 12 12 12 12 12 12 12 12 12 12	G G G G G G	+- 1' + 33°6 +	
		- 1'6" -	2'4"8 2'4"8	- - 2'7"8 - - 5'		
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 C&C Dist a: 3.00 ft Loc. from endwall: not in GCpi: 0.18	to h/2 4.50 ft	iteria (Pg,Pf in PSF) Ct: NA CAT: NA Ce: NA Cs: NA tration: NA Code: Ed. 2020 Res. 2014 Yes 0(0)/10(0) be(s): Code:	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.060 G 999 240 VERT(CL): 0.121 G 496 180 HORZ(LL): 0.055 D - - HORZ(TL): 0.110 D - - Creep Factor: 2.0 Max TC CSI: 0.481 Max BC CSI: 0.130 -	▲ Maximum R Gravit Loc R+ / R B 329 /- F 65 /- E 152 /- Wind reactions B Brg Width F Brg Width E Brg Width Bearing B is a Members not I Maximum Top	Iteactions (Ibs) y Non-Gravity - / Rh / Rw / U / RL /- / 224 /7 / 145 /- / 40 /- /- /- / 119 /85 /- s based on MWFRS = 4.5 Min Req = 1.5 = 1.5 Min Req = - = - = 1.5 Min Req = - - rigid surface. isted have forces less than 375# p Chord Forces Per Ply (Ibs) -
Lumber Top chord: 2x4 SP #2 Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x6 SP 2400) ;))f-2.0E; block length = 1.	WAVE		VIEW Ver: 20.01.01A.0724.11	<u>Chords Tens</u> . B - C 282	<u>Comp.</u> 2 -438
Wind Wind loads based on member design	MWFRS with additional C	C&C				
Wind loading based o	n both gable and hip roof	types.				
Additional Notes The overall height of t 4-3-6.	his truss excluding overha	ang is	A REAL PROPERTY OF THE PARTY OF	CENSA 4		
			RO	STATE OF US	,	
			and Star	SIONAL ELLING	/	
				Minimume ()	
			FL RE 06/2	G# 278, Yoonhwak Kim, FL PE 9/2021	#86367	
IMPORTA Trusses require extrem Component Safety Info bracing per BCSI. Unle attached rigid ceiling. I as applicable. Apply f drawings 160A-Z for st Alpine, a division of IT truss in conformance v	**WARNING READ NT** FURNISH THIS D he care in fabricating, han smation, by TPI and SBC sss noted otherwise, top c ocations shown for perm plates to each face of trus andard plate positions. R W Building Components (with ANSI/TPI 1, or for ha	AND FOLLOW AL RAWING TO ALL dling, shipping, ins A) for safety pract hord shall have pr anent lateral restra s and position as s efer to job's Gener Group Inc. shall no andling, shipping.	L NOTES ON THIS D CONTRACTORS INC talling and bracing. F ces prior to performing openly attached structi int of webs shall have hown above and on tf al Notes page for addi t be responsible for an installation and bracir	RAWING! CLUDING THE INSTALLERS Refer to and follow the latest editior of these functions. Installers shall p iral sheathing and bottom chord sh bracing installed per BCSI section: e Joint Details, unless noted other tional information. y deviation from this drawing, any f g of trusses. A seal on this drawing	of BCSI (Buildir provide temporar all have a prope s B3, B7, or B10 wise. Refer to ailure to build the g or cover page	

listing this drawing of cover page for the solution of the sol

6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 313657 / FROM: CDM	JACK	Ply: 1 Qty: 3	Job Nur Nottingh Truss L	nber: 21-5558 am abel: J02			Cust: R 215 JRef: 1X6O2150005 T46 DrwNo: 180.21.0858.41387 CS / YK 06/29/2021
				- 2 2	2'4"8 - = 3' - 2'4"8 - = 7"8-		
			- 11"6 +	8 12 # 3X4 B B W2X10(E3) = 3X4(E3)	H G =3X4 2X4 F		
	1				2478 - 778 2'4"8 3' -		
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Lumber Top chord: 2x4 SP #2 Bot chord: 2x4 SP #2:	Wind S Speed Enclos Risk C EXP: (Mean TCDL: BCDL: MWFF C&C E Loc. fr Wind I	Criteria Std: ASCE 7-16 I: 130 mph sure: Closed ategory: II C Kzt: NA Height: 15.00 ft 5.0 psf S Parallel Dist: 0 t Dist a: 3.00 ft om endwall: not in GCpi: 0.18 Duration: 1.60	o h/2 4.50 ft	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): -0.006 C 999 240 VERT(CL): 0.007 C 999 180 HORZ(LL): -0.008 C HORZ(TL): 0.009 C Creep Factor: 2.0 Max EC CSI: 0.223 Max BC CSI: 0.061 Max Web CSI: 0.053 VIEW Ver: 20.01.01A.0724.11	A Maximum F Gravii Loc R+ /R B 255 /- F 22 /- E 82 /- Wind reaction B Brg Widtf F Brg Widtf E Brg Widtf Bearing B is a Members not	Reactions (Ibs) Non-Gravity ty Non-Gravity /- / R / U / RL /- / 180 / 12 / 98 /- / 17 / 7 /- /- / 68 / 43 /- s based on MWFRS Min Req = 1.5 Min Req = - n = 1.5 Min Req = - - rigid surface. Isted have forces less than 375#
Webs: 2x4 SP #3; Lt Slider: 2x6 SP 2400 Wind Wind loads based on member design. Wind loading based o Additional Notes The overall height of t	Df-2.0E; MWFR n both g his truss	block length = 1.5 S with additional C gable and hip roof t s excluding overha	600' &C Types. ng is	approx.	NHWAK KIN		
2-11-6.		g			NO. 86367 STATE OF CORIDA	4	
				FL RF 06/2	EG# 278, Yoonhwak Kim, FL P 29/2021	E #86367	
IMPORTA Trusses require extrem Component Safety Info bracing per BCSI. Unle attached rigid ceiling. I as applicable. Apply drawings 160A-Z for st Alpine, a division of IT truss in conformance v listing this drawing, inc	**WAI ANT ne care ormation ess note ocation olates to tandard W Build vith ANS licates a	RNING** READ / FURNISH THIS DI in fabricating, hand by TPI and SBC/ dotherwise, top cf is shown for perma o each face of truss plate positions. Re ling Components G SI/TPI 1, or for ha acceptance of profe	AND FO RAWING dling, sh A) for saa nord sha anent lat anent lat anent lat anent po for to jo froup Inc ndling, essional	LLOW ALL NOTES ON THIS D B TO ALL CONTRACTORS INC ipping, installing and bracing. F fety practices prior to performing il have properly attached structu eral restraint of webs shall have sition as shown above and on th b's General Notes page for addi shall not be responsible for an shipping, installation and bracin engineering responsibility solely	RAWING! CLUDING THE INSTALLERS Refer to and follow the latest edition in these functions. Installers shall iral sheathing and bottom chord sh bracing installed per BCSI section le Joint Details, unless noted othe tional information. y deviation from this drawing, any g of trusses. A seal on this drawing for the design shown. The suitabi	n of BCSI (Buildi provide temporat hall have a prope is B3, B7, or B10 rwise. Refer to failure to build th ng or cover page lify and use of th	ng rfty , e s 6750 Forum Drive Suite 305

drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Séc.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 313649 / FROM: CDM	JACK Ply: 1 Jo Qty: 1 N	ob Number: 21-5558 lottingham iruss Label: J03		Cust: R 215 JRef: 1X6O2150005 T36 DrwNo: 180.21.0858.42450 CS / YK 06/29/2021
		<u>-</u> 2'4 2'4	<mark> "8 = = 3'</mark> "8 = <mark>= 7"8</mark> =	
		B B B C C C C C C C C C C C C C	D 9.11.1 E 3X4 E 3X4 II2X4	
		- 2'4	<mark>4"8 = = 7"8</mark> = 4"8 = = 3'	
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Lumber Top chord: 2x4 SP #2 Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x6 SP 2400 Wind Wind loads based on member design. Wind loading based o Additional Notes The overall height of the 2-11-6.	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 C&C Dist a: 3.00 ft Loc. from endwall: not in 4. GCpi: 0.18 Wind Duration: 1.60 f-2.0E; block length = 1.500 MWFRS with additional C&0 n both gable and hip roof typ his truss excluding overhang	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes .50 ft FT/RT:20(0)/10(0) Plate Type(s): WAVE 0' C pes. g is	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.008 B 999 240 VERT(CL): 0.017 B 999 180 HORZ(LL): 0.008 B HORZ(LL): 0.018 B Creep Factor: 2.0 Max TC CSI: 0.199 Max BC CSI: 0.065 Max Web CSI: 0.065 VIEW Ver: 20.01.01A.0724.11	▲ Maximum Reactions (Ibs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 126 /- /- /73 /- /69 E 26 /- /- /23 /9 /- D 100 /- /- /82 /47 /- Wind reactions based on MWFRS A Brg Width = 4.5 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#
		FL RI 06/2	EG# 278, Yoonhwak Kim, FL PE 29/2021	#86367
IMPORTA Trusses require extrem Component Safety Info bracing per BCSI. Unle attached rigid ceiling. L as applicable. Apply p drawings 160A-Z for st Alpine, a division of ITN truss in conformance w	**WARNING READ AN NT** FURNISH THIS DR/ he care in fabricating, handli irmation, by TPI and SBCA) iss noted otherwise, top cho ocations shown for perman lates to each face of truss a andard plate positions. Refe N Building Components Gro ith ANSI/TPI_1, or for hanc	ND FOLLOW ALL NOTES ON THIS I AWING TO ALL CONTRACTORS IN for safety practices prior to performin ord shall have properly attached struct ent lateral restraint of webs shall have and position as shown above and on t er to job's General Notes page for add oup Inc. shall not be responsible for an uling, shipping, installation, and braci	DRAWING! CLUDING THE INSTALLERS Refer to and follow the latest edition g these functions. Installers shall p ural sheathing and bottom chord sh e bracing installed per BCSI sections the Joint Details, unless noted other litional information. ny deviation from this drawing, any fr ng of trusses. A seal on this drawing	of BCSI (Building rovide temporary all have a property B3, B7, or B10, wise. Refer to ailure to build the g 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



SEQN: 313642 /	JACK	Ply: 1 Qty: 4	Job Number: 21-5558 Nottingham Truss Label: J04		Cust: R 215 JRef: 1X6O2150005 T34 / DrwNo: 180.21.0858.41559 CS / YK 06/29/2021
			8 12 8 12 12 12 12 12 12 12 12 12 12	B B B B B B B B B B B B B B B B B B B	2'0"3 –
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind G Wind S Speed Enclos Risk C EXP: (Mean TCDL: BCDL: BCDL: MWFF C&C E Loc. fr	Criteria Std: ASCE 7-16 1: 130 mph sure: Closed ategory: II C Kzt: NA Height: 15.00 ft 5.0 psf 5.0 psf S Parallel Dist: 0 Dist a: 3.00 ft om endwall: Any GCpi: 0.18 Duration: 1.60	to h/2 to	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D -HORZ(TL): 0.001 D Creep Factor: 2.0 Max TC CSI: 0.252 Max BC CSI: 0.010 Max Web CSI: 0.004	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 223 /- /- /168 /35 /48 D 20 /- /- /12 /- /- C - /-46 /- /24 /47 /- Wind reactions based on MWFRS B Brg Width = 4.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; 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 1-7-6.

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

-CENS No. 86367

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.

Pure PROTEIN

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SEQN: 313641 / FROM: CDM	MONO	Ply: 1 Otv: 2	Job Num Nottingha	ber: 21-5558 m		Cust: R 215 JRef:1X6O2150005 T DrwNo: 180.21.0858.41667
			Truss La	bel: J05		CS / YK 06/29/2021
			- 11"6 -	8 2 8 B B B B B B B B C B B C B B B B C B B C B C B C B C B C B C		
				<u>↓</u> 1'6" <u>↓</u>	2'6"	
		- · · ·			2'6"	A Manimum Data diana (III.)
.oading Criteria (psf)	Wind 9	Criteria Std: ASCE 7-1	6	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc I /defl I /#	Gravity Non-Gravity
CDL: 10.00	Speed	: 130 mph		Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh /Rw /U /RL
3CLL: 0.00	Enclos	sure: Closed		Lu: NA Cs: NA	VERT(CL): NA	B 239 /- /- /171 /13 /86
SCDL: 10.00	EXP: 0	C Kzt: NA		Snow Duration: NA	HORZ(LL): -0.005 C	E 74 /- /- /64 /42 /-
Des Ld: 40.00	Mean	Height: 15.00 ft		Building Codo:	-HORZ(1L): 0.006 C	B Brg Width = 4.5 Min Reg = 1.5
CBCLL: 10.00	TCDL:	5.0 psf		FBC 7th Ed. 2020 Res	Max TC CSI: 0.261	E Brg Width = - Min Req = -
oad Duration: 1 25	BCDL:	5.0 psf	0 to h/2	TPI Std: 2014	Max BC CSI: 0.057	Bearing B is a rigid surface.
Spacing: 24.0 "	C&C	Dist a: 3.00 ft	01011/2	Rep Fac: Yes	Max Web CSI: 0.081	Members not listed have forces less than 375#
,	Loc. fr	om endwall: Any	y	FT/RT:20(0)/10(0)		Chords Tens.Comp.
		GCpi: 0.18		Plate Type(s):		
	Wind I	Duration: 1.60		WAVE	VIEW Ver: 20.01.01A.0724.11	B-C 316 - 401
Lumber				Wind		
Bot chord: 2x4 SP #2	<u>;</u> ;			member design.	FRS with additional C&C	
Webs: 2x4 SP #3;	, 		4 500	Right end vertical not expo	sed to wind pressure.	
Lt Slider: 2x6 SP 240	0f-2.0E;	DIOCK length =	1.500	Wind loading based on bo	th gable and hip roof types.	
Hangers / Ties				5	0 1 11	
Simpson Constructior	n Hardw	are is specified	based on			
the most current inform	mation p	provided by Sim	pson			
Strong-Tie catalog for	additio	nal information.	impson			
Recommended hange	er conne	ections are base	d on	10.	NALA A LOTTE	
manufacturer tested o	apacitie	s and calculatio	INS.	aller.	ONFINAN	
than indicated. Refer	to manu	facturer publica	tion for	98-40	CENC . 4	
additional information						
Hanger specified assu	umes co	nnection to sup	porting	2.	No. 86367 🐁 💈	
the supporting chord f	from any	unsupported e	nd,	Ê ↓ !		
unless unsupported c	hord en	d has 85% platir	ng			
coverage.	0101	0410	41 6-11	50.	STATE OF SE	
Bearing at location x= support conditions: 2'	:2'3", 3"	y=9112 uses	the followin		STATE UF	
Bearing E (2'3", 9'1"	2) LUS2	6			COPIDA	•
(4) 0.148"x3" nails	r: (1)2xt into sur	o SP 24001-2.0E porting		155		7
member,					ONAL FUR	
(3) 0.148"x3" nails member.	into sup	ported				
Additional Notes					/	1
I ne overall height of t 2-7-6.	inis trus	s excluding over	rnang is		/	
_ / V.				FL REC	G# 278, Yoonhwak Kim, FL PE	2 #86367
				06/29	/2021	
!	**WA	RNING REA	D AND FOL	LOW ALL NOTES ON THIS D		
russes require extrem	ne care	in fabricating h	andling. shi	pping, installing and bracing.	Refer to and follow the latest edition	on of BCSI (Building
Component Safety Info	ormation	n, by TPI and SE	BCA) for saf	ety practices prior to performing	g these functions. Installers shall	provide temporary ball have a property
ttached rigid ceiling.	Location	s shown for per	manent late	ral restraint of webs shall have	bracing installed per BCSI section	ns B3, B7, or B10,
Irawings 160A-Z for s	tandard	plate positions.	Refer to job	's General Notes page for add	itional information.	
Induces a student and ST		ing Component	Crown Inc	aball not be reasonable for an	w dowintion from this drowing only	foilure to build the

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SEQN: 313725 / FROM: CDM	GABL	Ply: 1 Qty: 2	Job Nu Nottingh Truss L	mber: 21-5558 nam . abel: J06		Cust: R 215 JRef: 1X60 DrwNo: 180.21.0858.4 CS / YK 06/	2150005 T49 2404 /29/2021
				<mark>- 11"1</mark> ; - 11"1;	5 <mark>- - 2'6" - </mark> 1'6"1 - ₩2X <u>4</u>		
				L A 2X10(E5)			
				- 1'6" 	2'6"		
				(NNL)	2'6"		
Loading Criteria (psf)	Wind (Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=P	LF
ICLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00	Speed Enclos Risk C EXP: C Mean TCDL:	IC: ASCE 7-16 I: 130 mph sure: Closed Category: II C Kzt: NA Height: 15.00 ft : 5.0 psf		Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code:	VERT(LL): 0.001 D 999 24 VERT(LL): 0.003 D 999 18 HORZ(LL): 0.001 D - HORZ(TL): 0.002 D - Creep Factor: 2.0	Loc R+ /R- /Rh /Rw / D F* 125 /- /- /79 / Wind reactions based on MWFRS F Brg Width = 30.0 Min Req Bearing B is a rigid surface.	<u>U / RL</u> - /14 = -
Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	BCDL: MWFF C&C E Loc. fr	: 5.0 psf RS Parallel Dist: (Dist a: 3.00 ft om endwall: Any GCpi: 0.18 Duration: 1.60) to h/2	FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max TC CSI: 0.272 Max BC CSI: 0.057 Max Web CSI: 0.011 VIEW Ver: 20.01.01A.0724.11		nan 373#
Lumber Top chord: 2x4 SP #2 Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 Lt Slider: 2x6 SP 2400	4 SP #2 0f-2.0E;	; block length = 1	.500'			_	
Plating Notes All plates are 3X4 exc	ept as r	noted.					
Wind Wind loads based on member design.	MWFR	S with additional	C&C	renered of	NHWAK King		
Wind loading based o	n both g	gable and hip roo	f types.	19999	CENS .		
See DWGS A14015E gable wind bracing an	NC160 ² nd other	118 & GBLLETIN r requirements.	0118 for				
Stacked top chord mu area (NNL). Dropped intervals. Attach stack top chord in notchable oc. Center plate on st plate length perpendid	IST NOT top choi ced top c area u acked/d cular to c	be notched or cu rd braced at 24" (chord (SC) to dro sing 3x4 tie-plate ropped chord into chord length. Spl	it in pped s 24" erface, ice top	PROFILE	STATE OF	-/	
Chord in notchable are The overall height of t 2-3-2.	ea using his truss	j 3x6. s excluding overh	ang is	411J	IONAL Einer)	
	**\4/ 4			FL REG 06/29.	6# 278, Yoonhwak Kim, FL Pl 2021	#86367	
IMPORT/ Trusses require extrem Component Safety Inf bracing per BCSI. Unio attached rigid ceiling. I	**WAl ANT ne care ormatior ess note Location	KNING ^{**} READ FURNISH THIS I in fabricating, ha by TPI and SB ed otherwise, top is shown for perm basch three of the	AND FC DRAWIN ndling, sh CA) for sa chord sha nanent la	VILLOW ALL NOTES ON THIS D G TO ALL CONTRACTORS INC ipping, installing and bracing. F afety practices prior to performing all have properly attached structu teral restraint of webs shall have	KAWING: LUDING THE INSTALLERS Refer to and follow the latest editi these functions. Installers shal iral sheathing and bottom chord - bracing installed per BCSI section bottom chord -	n of BCSI (Building provide temporary nall have a property is B3, B7, or B10, puties e Refer to	
drawings 160A-Z for s Alpine, a division of IT	tandard W Build	plate positions. F	Refer to jo	c. shall not be responsible for a	y deviation from this drawing, an of trustees A social on this drawing.	failure to build the	

Irruss in conformance with ANSI/TP1 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/TP1 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





Orlando FL, 32821

SEQN: 313666 / FROM: CDM	MONO	Ply: 1 Qty: 1	Job Nu Nottingh Truss L	mber: 21-5558 nam . abel: J08			Cust: R 215 JRef: 1X6O2150005 T11 / DrwNo: 180.21.0858.42247
			374	3 12 A D = 2X4(A1)	B B C B C B C B C		
				4'0	"8 — A		
)"8		
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind S Speed Enclos Risk C EXP: (Mean TCDL: BCDL: BCDL: MWFF C&C E Loc. fr	Criteria Std: ASCE 7-16 : 130 mph sure: Closed : ategory: II C Kzt: NA Height: 15.00 ft 5.0 psf : 5.0 psf S Parallel Dist: h Dist a: 3.00 ft om endwall: not ir GCDi: 0.18	/2 to h n 9.00 ft	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.003 C HORZ(TL): 0.006 C Creep Factor: 2.0 Max TC CSI: 0.188 Max BC CSI: 0.175 Max Web CSI: 0.069	▲ Maximum F Gravit Loc R+ / R D 169 /- C 157 /- Wind reaction: D Brg Widtf C Brg Widtf Bearings D & Members not	Reactions (lbs)byNon-Gravity-/ Rh/ Rw/ U/ RL/-/87/26/35/-/81/34/-s based on MWFRSh = 4.5Min Req = 1.5C are a rigid surface.listed have forces less than 375#
Lumber	Wind [Duration: 1.60		WAVE	VIEW Ver: 20.01.01A.0724.11		
Top Croud: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Wind Wind loads based on member design. Right end vertical not Wind loading based o Additional Notes The overall height of t 1-4-0.	MWFR: expose n both o	S with additional (d to wind pressure gable and hip roof s excluding overh	C&C e. i types. ang is		NHWAK CENS No. 86367 STATE OF CORIDA SORIDA SONAL ELLER	#96267	
	**\&/ & '			FL REC 06/29	2178, 100nnwak Kim, FL PE 2021	, #8030/	
IMPORTA Trusses require extrem Component Safety Info pracing per BCSI. Unle attached rigid ceiling. I as applicable. Apply drawings 160A-Z for si Alpine, a division of IT truss in conformance w listing this drawing, ind	**WAI	KNING READ FURNISH THIS I in fabricating, har d otherwise, top c d otherwise, top c s shown for perm o each face of trus plate positions. R ing Components SI/TPI 1, or for ha ccceptance of pro	AND FO DRAWING Idling, sh CA) for sa chord sha chord sha ss and po tefer to jo Group In andling, fessional	DLOW ALL NOTES ON THIS DF G TO ALL CONTRACTORS INCI ipping, installing and bracing. R afety practices prior to performing all have properly attached structu teral restraint of webs shall have I bsition as shown above and on the b's General Notes page for additi c. shall not be responsible for any shipping, installation and bracing engineering responsibility solely	cawing: LUDING THE INSTALLERS efer to and follow the latest editior these functions. Installers shall p rais heathing and bottom chord sh oracing installed per BCSI section 9 Joint Details, unless noted other tonal information. v deviation from this drawing, any t of trusses. A seal on this drawing of trusses. A seal on this drawing	n of BCSI (Buildi provide temporal all have a prope s B3, B7, or B10 rwise. Refer to failure to build th ng or cover page ity and use of th	ng ry ry re e 6750 Forum Drive Suite 205

drawing in consistence of professional engineering responsibility of the design shown. The subability 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



SEQN: 313695 /	MONO Ply: 2	Job Nu	mber: 21-5558		Cust: R 215 JRef: 1X6O2150005 T12 /
FROM: CDM	Qty: 1		CS / YK 06/29/2021		
	<u>→</u> 2 C	omplete	e Trusses Required		
			3 12	∥2X4	
				B	T
			A		
		314		<u> </u>	
		<u> </u>		E C	<u> </u>
				⁻ 2X4	
			-2/(((1))		
				N "O _	
			40	78	
			4'	0"8	
			 - 4'	0"8	
Loading Criteria (psf)	Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	A Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00	Speed: 130 mph		Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II		Lu: NA Cs: NA	VERT(CL): NA	D 169 /- /- /87 /26 /35
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft			HORZ(TL): 0.003 C	Wind reactions based on MWFRS
NCBCLL: 0.00 Soffit: 2.00	TCDL: 5.0 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.094	C Brg Width = 4.5 Min Req = 1.5 C Brg Width = 4.5 Min Req = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: h/	2 to h	TPI Std: 2014 Rep Fac: Yes	Max BC CSI: 0.087 Max Web CSI: 0.034	Members not listed have forces less than 375#
Spacing: 24.0	Loc. from endwall: not in	9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18 Wind Duration: 1.60		Plate Type(s):	VIEW Ver: 20.01.01A.0724.11	
	•				_
Bot chord: 2x4 SP #2 Bot chord: 2x4 SP #2;	•				
Webs: 2x4 SP #3;					
Nail Schedule:0.131"	(3", min. nails				
Bot Chord: 1 Row @	12.00" o.c. 12.00" o.c.				
Use equal spacing be	4" o.c. tween rows and stagger n	ails		11111111111111111111111111111111111111	
In each row to avoid s	plitting.		anna Contra	ONHWAK K	
Wind loads based on	MWFRS.		and the	CENS	
Right end vertical not	exposed to wind pressure	۰.		No. 86367	
Wind loading based o	n both gable and hip roof	types.	Ē ļ .		
The overall height of t	his truss excluding overha	ang is	-D.		
1-4-0.	_	-	P.	STATE OF US	
			44 K	CORIDI	-/
			1111	SONAL ENT	
					`
					/
				C# 279 X- 1 1 K	
			FL RE 06/2	9/2021 9/2021	2 #00307
++1110007	**WARNING** READ	AND FO	LLOW ALL NOTES ON THIS D		
Trusses require extren	ne care in fabricating, han prmation, by TPI and SBC	dling, sh A) for sa	ipping, installing and bracing. R fety practices prior to performing	toping The INSTALLERS refer to and follow the latest edition these functions. Installers shall n	of BCSI (Building rovide temporary
bracing per BCSI. Unle attached rigid ceiling. L	ess noted otherwise, top o ocations shown for perm	hórð sha anent lat	all have properly attached structu eral restraint of webs shall have sition as shown above and on the	ral sheathing and bottom chord sh bracing installed per BCSI sections	all have a properly s B3, B7, or B10, wise Refer to
drawings 160A-Z for st	andard plate positions. R	efer to jo	b's General Notes page for addit	tional information.	allure to build the ALPINE
truss in conformance v listing this drawing, ind	vith ANSI/TPI 1, or for ha	andling, essional	shipping, installation and bracin engineering responsibility solely	g of trusses. A seal on this drawing any f	Ig or cover page 6750 Forum Drive

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/TP11 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 313640 / FROM: CDM	GABL	Ply: 1 Qty: 1	Job Nui Nottingh Truss L	mber: 21-5558 _{laam} abel: J10			Cust: R 215 JRef: 1X6O2150005 T10 / DrwNo: 180.21.0858.42058 CS / YK 06/29/2021
				<u></u>	"9 ॑ │ <mark>- 3'8" -</mark> │ 2'1"6		
			<u>3</u> 774 A [3 12 B = 3X8	FG	+ 11"4 + + 13"8 - +	
			ł		- 3'8"		
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind C Wind S Speed Enclos Risk C EXP: C Mean I TCDL: BCDL: BCDL: MWFR C&C D Loc. fre	Criteria Std: ASCE 7-16 : 130 mph ure: Closed ategory: II C Kzt: NA Height: 15.00 ft 5.0 psf 5.0 psf S Parallel Dist: 0 bist a: 3.00 ft om endwall: Any GCpi: 0.18	to h/2	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.000 F 999 24(VERT(CL): 0.001 F 999 18(HORZ(LL): -0.000 F - - HORZ(TL): 0.000 F - - Creep Factor: 2.0 Max TC CSI: 0.281 Max BC CSI: 0.007 - -	▲ Maximum R Gravity Coc R+ / R: G* 107 /- Wind reactions G Brg Width Bearing B is a Members not li	eactions (Ibs), or *=PLF y Non-Gravity - / Rh / Rw / U / RL /- /57 /- /5 s based on MWFRS = 44.0 Min Req = - rigid surface. isted have forces less than 375#
Lumber Top chord: 2x4 SP #2 Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Plating Notes All plates are 2X4(A1) (**) 1 plate(s) require :	Wind [; except special	Duration: 1.60 as noted. positioning. Refer	to	WAVE	VIEW Ver: 20.01.01A.0724.11		
scaled plate plot detai requirements. Wind Wind loads based on member design. Right end vertical not Wind loading based o	ls for sp MWFR exposed n both g	ecial positioning S with additional C d to wind pressure jable and hip roof	C&C e. types.	AND	NO. 86367	1 1 10 10	
Additional Notes See DWGS A14015E gable wind bracing an The overall height of t 0-11-4.	NC1601 nd other his truss	18 & GBLLETING requirements. s excluding overha	0118 for ang is	PROTI	STATE OF ZORIDA		
	**\\\/ \			FL RE 06/2	G# 278, Yoonhwak Kim, FL F 9/2021	PE #86367	
IMPORTA Trusses require extrem Component Safety Info pracing per BCSI. Unle attached rigid ceiling. I as applicable. Apply p drawings 160A-2 for sl Alpine, a division of IT truss in conformance w listing this drawing ind	ANT The care prmation prm prm prm prm prm prm prm prm	FURNISH THIS E FURNISH THIS E in fabricating, har by TPI and SBC d otherwise, top c s shown for perm each face of trus plate positions. R ing Components (SVTPI 1, or for h ccentance of prot	AND FO DRAWING adling, sh DA) for sa chord sha anent lat is and po efer to jo Group Ind andling, fessional	S TO ALL NOTES ON THIS DI S TO ALL CONTRACTORS INC joping, installing and bracing. R fety practices prior to performing all have properly attached structu eral restraint of webs shall have sition as shown above and on th b's General Notes page for addit c. shall not be responsible for any shipping, installation and bracin engineering responsibility evolution	LUDING THE INSTALLERS lefer to and follow the latest edition these functions. Installers shall rail sheathing and bottom chord s bracing installed per BCSI section e Joint Details, unless noted othe ional information. y deviation from this drawing, any g of trusses. A seal on this draw for the design shown. The suitable	on of BCSI (Buildir provide temporar hall have a propei ns B3, B7, or B10, erwise. Refer to failure to build the ing or cover page illy and use of the	

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



SEQN: 313656 / FROM: CDM	VAL	Ply: 1 Qty: 1	Job N Nottin Truss	lumber: 21-5558 gham s Label: V01			Cust: R 215 JRef: 1X6O2150005 T15 / DrwNo: 180.21.0858.42465
				6'3*4 6'3*4	12'6"9 6'3*4	- -	
				(TYP)	=4X4 C		
		42	- 	=3X4(D1)		=3X4(D1) E	
				H 2X4	G 2X4 2X4		
				<u> -</u>	- 12'6"9	-	
	1			+	12'6'9 12'6''9		
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind G Wind S Speed Enclos Risk C EXP: C Mean I TCDL: BCDL: BCDL: MWFR C&C E Loc. fre	Criteria Std: ASCE 7-16 : 130 mph sure: Closed ategory: II C Kzt: NA Height: 15.00 ft 5.0 psf 5.0 psf SS Parallel Dist: 0 bist a: 3.00 ft om endwall: Any	to h/2	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 240 VERT(CL): 0.001 C 999 180 HORZ(LL): -0.001 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.257 Max BC CSI: 0.117 Max Web CSI: 0.101	▲ Maximum F Gravit Loc R+ /R E* 84 /- Wind reaction E Brg Width Bearing A is a Members not	Reactions (Ibs), or *=PLF ty Non-Gravity ts Non-Gravity ts /Rh / Rw / U / RL /- /44 /11 /8 s based on MWFRS n 150 Min Req = - rigid surface. istiface. istiface 155#
	Wind [GCpi: 0.18 Duration: 1.60		Plate Type(s): 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 member design. Wind loading based o Additional Notes See DWGS VALTN16 valley details. The overall height of t 4-2-7.	; n both <u>c</u> 60118 au	S with additional (pable and hip roof nd VAL18016011 s excluding overha	C&C types. 8 for ang is		ONHWAK ICENS No. 86367 STATE OF CORIDA		
				FL RE 06/2	9/2021	2 #80307	
IMPORT/A Trusses require extrem Component Safety Info bracing per BCSI. Unle attached rigid ceiling. I as applicable. Apply I drawings 160A-2 for si Alpine, a division of IT truss in conformance w listing this drawing, ind	**WAI	RNING READ FURNISH THIS I in fabricating, har by TPI and SBC d otherwise, top o s shown for perm each face of trus plate positions. R ing Components SI/TPI 1, or for har cceptance of pros	AND F DRAWI ndling, s CA) for chord s anent l ss and j defer to Group andling fession	OLLOW ALL NOTES ON THIS D NG TO ALL CONTRACTORS INC shipping, installing and bracing. R safety practices prior to performing hall have properly attached structu lateral restraint of webs shall have position as shown above and on th job's General Notes page for addi Inc. shall not be responsible for an 1, shipping, installation and bracin al, engineering responsible y solely	RAWING! LUDING THE INSTALLERS stefer to and follow the latest edition these functions. Installers shall p trais sheathing and bottom chord sh bracing installed per BCSI section e Joint Details, unless noted othe tional information. y deviation from this drawing, any g of trusses. A seal on this drawin for the design shown. The suitabil	n of BCSI (Buildii provide temporar all have a prope s B3, B7, or B10 rwise. Refer to failure to build th rag or cover page ity and use of th	ng http: ht

drawing in consistence of professional engineering responsibility of the design shown. The subability 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







SEQN: 313677 / FROM: CDM	VAL	Ply: 1 Qty: 1	Job Nott Trus	Number: 21-555 ingham ss Label: V03	58			Cust: R 215 JRef: 1X6O2150005 T44 DrwNo: 180.21.0858.41433 CS / YK 06/29/2021
					<mark>⊸ 2'3"4</mark> 2'3"4	<mark>⊳ ⊲ 4'6"9</mark> 2'3"4		
				+	8 2 = 3X4(D1) A	=4X4 B =3X4(D =3X4(
					4	— 4'6"9 —		
					2'3"4 2'3"4	2'3"4 4'6"9		
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind S Speed Enclos Risk C EXP: (Mean TCDL: BCDL: MWFF C&C E Loc. fr	Criteria Std: ASC I: 130 mp sure: Close ategory: I C Kzt: N Height: 15 5.0 psf S Paralle Dist a: 3.00 om endwa GCpi: 0	CE 7-16 sh ed I 5.00 ft 0 ft all: not in 4.50 18	Snow Crite Pg: NA Pf: NA Lu: NA Snow Dura Building Cc FBC 7th Ec FBC 7th Ec 7tPI Std: 2 Rep Fac: Y Plate Typel	eria (Pg,Pf in PSF) Ct: NA CAT: NA Ce: NA tion: NA de: 1. 2020 Res. 014 es 0)/10(0) (s):	Defl/CSI Criteria PP Deflection in loc L/(VERT(LL): 0.001 D VERT(CL): 0.002 D HORZ(LL): -0.001 D HORZ(TL): 0.001 D Creep Factor: 2.0 Max TC CSI: 0.057 Max BC CSI: 0.034	defi L/# 999 240 999 180 	▲ Maximum Reactions (Ibs), or *=PLF Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL C* 83 /- /- /41 /7 /7 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	Wind I	Duration:	1.60	WAVE		VIEW Ver: 20.01.01A.07	724.11]
Top chord: 2x4 SP #2 Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Wind Wind loads based on member design. Wind loading based o Additional Notes See DWGS VALTN16 valley details. The overall height of t 1-6-7.	, n both o 60118 a his trus:	S with add gable and nd VAL18 s excludin	ditional C&C hip roof types 0160118 for ig overhang is	5.	A DROTTING	NO. 86367 STATE OF		
					FL RE 06/29	G# 278, Yoonhwak Kir 9/2021	n, FL PE	#86367
IMPORT/ Trusses require extrem Component Safety Info bracing per BCSI, Unle attached rigid ceiling. I as applicable. Apply j drawings 160A-Z fors Alpine, a division of IT truss in conformance w listing this drawing, inc drawing for any struct	**WAI ANT ne care cormation bates to blates to tandard W Build with ANS licates a ure is the	RNING** FURNISH in fabricat by TPI a di otherwi is shown f o each fac plate pos ing Comp SI/TPI 1, icceptanc a respons	READ AND I THIS DRAW ting, handling and SBCA) for se, top chord for permanen e of truss anc itions. Refer t oonents Group or for handlir e of professic	FOLLOW ALL /ING TO ALL C' , shipping, insta r safety practice shall have prop t lateral restrain j position as sho to job's General b Inc. shall not b g, shipping, in mal engineering	NOTES ON THIS D ONTRACTORS INC Illing and bracing. F is prior to performing erly attached structit to webs shall have wan above and on tr Notes page for addi e responsibility solely responsibility solely or per ANS/TPU 1.20	RAWING! LUDING THE INSTALLE Refer to and follow the lat inal sheathing and bottom bracing installed per BCS ue Joint Details, unless n tional information. y deviation from this draw g of trusses. A seal on t Tor the design shown. Th c.2.	ERS est edition ers shall p o chord sha SI sections oted other ving, any f this drawir his drawir e suitabili	o of BCSI (Building provide temporary all have a property s B3, B7, or B10, wise. Refer to ailure to build the ig or cover page ity and use of this

Suite 305 Orlando FL, 32821





CLR Reinforcing Member Substitution

For more information see this job's general notes page and these web sites 7297202178 Yoonhwak Kim, FL PE #86367

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

Notes

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

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

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

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



SPACING

514 Earth City Expressway Suite 242 Earth City, MO 63045



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

Πr

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 = 1.00 Dr 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 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 Dr

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''.



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" x 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.

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 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. Πr

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

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''.



All plates shown are Alpine Wave Plates.