





Job Name: Green Res Floor Customer: Trademark Const Group Designer: Rodney Barone PlanName: Created : 04-07-2022 SemRef# : B53792BB JOB NO: B53792BB

1 OF 1





Job Name: Green Res Roof Customer: Trademark Const Group Designer: Rodney Barone PlanName: Created : 03-30-2022 SemRef# : B53792AB

B53792AB

PAGE NO: 1 OF 1 This document has been electronically signed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.



COA #0 278

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

Florida Certificate of Product Approval #FL 1999 04/20/2022

Site Information:	Page 1:
Customer: Seminole Trusses, Inc.	Job Number: B53792AB
Job Description: Green Res Roof	
Address: LAKE CITY, FL	

Job Engineering Criteria:									
Design Code: FBC 7th Ed. 2020 Res. IntelliVIEW Version: 21.01.03A									
	JRef #: 1XeU8570002								
Wind Standard: ASCE 7-16 Wind Speed (mph): 140	Design Loading (psf): 37.00								
Building Type: Closed									

This package contains general notes pages, 40 truss drawing(s) and 7 detail(s).

ltem	Drawing Number	Truss	Item	Drawing Number	Truss
1	110.22.0724.09103	CJ1	2	110.22.0724.11810	EJ3
3	110.22.0724.13680	EJ3A	4	110.22.0729.27833	FTG1
5	110.22.0727.36740	GE1	6	110.22.0727.40637	GE3
7	110.22.0727.43593	GE4	8	110.22.0727.54013	GE5
9	110.22.0727.57350	GE16	10	110.22.0728.00140	GE17
11	110.22.0728.04493	GE-2	12	110.22.0728.06903	GEPB5
13	110.22.0728.09237	H2A	14	110.22.0728.11287	НЗА
15	110.22.0728.13610	HG1A	16	110.22.0725.08113	HG3A
17	110.22.0728.20373	HJ2	18	110.22.0728.27057	HJ4
19	110.22.0728.32017	M4	20	110.22.0728.37977	PB1
21	110.22.0728.40727	PB-2	22	110.22.0728.42780	PBGE1
23	110.22.0728.53003	SGT1	24	110.22.0728.55440	T-1
25	110.22.0728.58203	T-2	26	110.22.0729.00837	Т-3
27	110.22.0729.03523	T-4	28	110.22.0729.05960	T-5
29	110.22.0729.09227	T-6	30	110.22.0729.11817	T-7
31	110.22.0729.14110	T-8	32	110.22.0729.16450	Т-9
33	110.22.0724.25200	T-10	34	110.22.0724.33410	T-11
35	110.22.0724.42130	T-12	36	110.22.0724.45993	T-13
37	110.22.0724.48780	T-14	38	110.22.0724.51187	T-16
39	110.22.0724.53133	T-17	40	110.22.0725.01957	TG-1
41	PB160160118		42	PB180160118	
43	REPCHRD1014		44	DEFLCAMB1014	
45	CNNAILSP1014		46	A14030ENC160118	
47	GBLLETIN0118				

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.

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

- 1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
- 2. ICC: International Code Council; <u>www.iccsafe.org</u>.
- 3. Alpine, a division of ITW Building Components Group Inc.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; <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.sbcacomponents.com.

SEQN: 106030 FROM: RNB	JACK Ply: 1 Qty: 4	Job Number: B53792AB Green Res Roof Truss Label: CJ1		Cust: R 857 JRef: 1XeU8570002 T15 DrwNo: 110.22.0724.09103 SSB / WHK 04/20/2022
	7"14 ↓ A	6 12 6 B 8 0 8 0 8 0 8 0 8 0 8 0 8 0 8 0 8 0 8 0	C C C C C C C C C C C C C C	10'11"6
	ł	۹ 1'6" ── <mark> 1</mark>	1"11 1"11 →	
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7- Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 f TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dis C&C Dist a: 3.00 ft Loc. from endwall: A GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg, Pf in PS) 16 Pg: NA Ct: NA CAT: N Pf: NA Ce: N/ Lu: NA Cs: NA Snow Duration: NA Snow Duration: NA it Building Code: FBC 7th Ed. 2020 Res. t: 0 to h/2 TPI Std: 2014 Rep Fac: Yes ny FT/RT:20(0)/0(0) Plate Type(s): WAVE	F) Defl/CSI Criteria NA PP Deflection in loc L/defl L/# A VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 C HORZ(TL): 0.001 C Creep Factor: 2.0 Max TC CSI: 0.246 Max BC CSI: 0.062 Max Web CSI: 0.000 VIEW Ver: 21.01.03A.0805.15	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$
Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1 Lt Stub Wedge: 2x4 SP Plates sized for a min Purlins In lieu of structural pa to laterally brace chor Chord Spacing(i TC 34 BC 12 Apply purlins to any c at 24" OC unless sho Wind	l; SP #3; imum of 3.50 sq.in./pie inels or rigid ceiling use ds as follows: n oc) Start(ft) Er -1.57 0. 0.00 0 hords above or below wn otherwise above.	ece. e purlins nd(ft) .97 .97 fillers	AM H. Konga	
Wind loads based on member design. Wind loading based o	MWFRS with addition	al C&C oof types.	No. 70861 STATA OF CORIDA STATA OF STATA OF CORIDA STATA OF CORIDA STATA OF CORIDA STATA OF CO	- 1999
IMPORTA Trusses require extrem Component Safety Inf bracing per BCSI. Uni attached rigid ceiling. as applicable. Apply drawings 160A-Z fors Abine. a division of IT	**WARNING RE. ANT** FURNISH THI ne care in fabricating, ormation, by TPI and S ess noted otherwise, to Locations shown for po- plates to each face of i tandard plate positions W Building Company	AD AND FOLLOW ALL NOTES ON THI S DRAWING TO ALL CONTRACTORS handling, shipping, installing and bracing BCA) for safety practices prior to perfor pp chord shall have properly attached st ermanent lateral restraint of webs shall h russ and position as shown above and c s. Refer to job's General Notes page for the Groun los, shall bat be respensible for	IS DRAWING! INCLUDING THE INSTALLERS g. Refer to and follow the latest edition ming these functions. Installers shall pr ructural sheathing and bottom chord sh have bracing installed per BCSI section on the Joint Details, unless noted other additional information.	n of BCSI (Building provide temporary hall have a property s B3, B7, or B10, rwise. Refer to failure to build the

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 106032 FROM: RNB	EJAC	Ply: 1 Qty: 2	Job Nu Green F	mber: B53792AB Res Roof			Cust: R 857 JRef:1XeU8570002 T16 DrwNo: 110.22.0724.11810
	∦ 7"14 ↓ ₩	A	6	12 B 3X6(G1)	D C C C C C C	2'6"15	_11'11"8 _10'1"2
		┥┥┥ 1	I'6" —	<u>-</u>			
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 BCLL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Lumber Top chord: 2x4 SP #11 Bot chord: 2x4 SP #12 Lt Stub Wedge: 2x4 SP Plating Notes Plates sized for a minite Purlins In lieu of structural part to laterally brace chortor Chord Spacing(in TC	Wind G Speed Enclos Risk C EXP: C Mean 1 TCDL: BCDL: BCDL: MWFR C&C D Loc. fr Wind D ; P #3; mum of nels or r ds as fo n oc)	Criteria Std: ASCE 7-16 : 140 mph sure: Closed ategory: II C Kzt: NA Height: 15.00 ft 4.2 psf 6.0 psf 82 Parallel Dist: 0 Dist a: 3.00 ft om endwall: not ir GCpi: 0.18 Duration: 1.60 : 3.50 sq.in./piece rigid ceiling use pu lows: Start(ft) End(ft -1.57 3.00	to h/2 n 4.50 ft urlins	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)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 C HORZ(TL): 0.001 C Creep Factor: 2.0 Max TC CSI: 0.168 Max BC CSI: 0.059 Max Web CSI: 0.000 VIEW Ver: 21.01.03A.0805.15	▲ Maximum R Gravity Loc R+ / R- B 232 /- D 53 /- C 64 /- Wind reactions B Brg Wid = C Brg Wid = Bearing B Fcpo Members not li	eactions (Ibs) Non-Gravity / /Rh /Rw /U /RL /- /175 /57 /87 /- /- /28 /- /- /- /- /37 /52 /- s abased on MWFRS 3.0 Min Req = 1.5 1.5 1.5 1.5 1.5 isted have forces less than 375# isted have forces less than 375#
BC 36 Apply purlins to any cl at 24" OC unless show	nords at vn othei	0.00 3.00 bove or below fille rwise above.	rs	- TRAIN			
Wind Wind loads based on member design. Wind loading based o	MWFRS	S with additional C jable and hip roof	C&C types.	COA #02 Florfdt/20	No. 70861 STATE OF CORIDA ONAL ENGINE ONAL ENGINE ONAL ENGINE	°L 1999	
IMPORT/ 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 conformer	**WAI	RNING READ FURNISH THIS D in fabricating, han , by TPI and SBC d otherwise, top c s shown for perm o each face of trus plate positions. R ing Components (SUPDI 1 or for be	AND FO RAWING Idling, sh A) for sa shord sha anent lat s and po Group In Group In	DLOW 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 sition as shown above and on th bb's General Notes page for addi c. shall not be responsible for an shipping installation and brack	RAWING! LUDING THE INSTALLERS Refer to and follow the latest editio these functions. Installers shall iral sheathing and bottom chord sl bracing installed per BCSI section e Joint Details, unless noted othe tional information. y deviation from this drawing, any of trusses. A code on this drawing	n of BCSI (Buildir provide temporan all have a propei is B3, B7, or B10, prwise. Refer to failure to build the ind or cover page	

Itruss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org





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SEQN: 106016	FLAT	Ply: 2	Job Num	ber: B53792AB			Cust: R 857 JRef: 1XeU8570002 T1
FROM: RNB		Qty: 1	Green Re	s Roof			DrwNo: 110.22.0729.27833
Page 1 of 2			Truss La	Del: FIGI			SSB / WHK 04/20/2022
			Complete	Trusses Required			
	, 5 ",	2'8"14	ı	5'3"2 7'11"1	10'7"13	12'10"	ı <mark>13'</mark> 3"
	5"	2'3"14	-	2'6"4 2'7"15	2'8"12	2'2"3	 5
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		2'8"14		5'2"3	5'3	"15	
	-	2'8"14	-	7'11"1		10 '3"	— -
	1	2014		7 11 1	15	5	
Loading Criteria (psf)	Wind C	Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum R	eactions (lbs)
TCLL: 20.00	Speed	140 mnh		Pg:NA Ct:NA CAI:NA	PP Deflection in loc L/defl L/#	Loc R+ /R-	/ Rh / Rw / U / RL
BCLL: 0.00	Enclos	ure: Closed		u:NA Cs:NA	VERT(LL): 0.200 1 598 500) 5065 /-	/_ /_ /1474 /_
BCDL: 10.00	Risk Ca	ategory: II		Snow Duration: NA	HORZ(LL): 0.042 A -	M 5179 /-	/- /- /1482 /-
Des Ld: 37.00	EXP: B	B Kzt: NA	-		HORZ(TL): 0.078 A	Wind reactions	based on MWFRS
NCBCLL: 0.00	TCDL:	4.2 psf	1	Building Code:	Creep Factor: 2.0	L Brg Wid =	5.5 Min Req = 3.5
Soffit: 2.00	BCDL:	6.0 psf	-	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.991	Bearings L & N	1 Fcperp = 425psi.
Load Duration: 1.25	MWFR	S Parallel Dist: 0	to h/2	Rep Fac: No	Max Web CSI: 0.887	Members not li	sted have forces less than 375#
opacing. 24.0	Loc. fro	om endwall: Anv	1	FT/RT:20(0)/0(0)		Maximum Top	Chord Forces Per Ply (lbs)
		GCpi: 0.18	1	Plate Type(s):			
	Wind D	Duration: 1.60		WAVE, HS	VIEW Ver: 21.01.03A.0805.15	A-B 1521 B-C 1521	-5494 D-E 2186 -8019 -5494 F-F 1465 -5334
Lumber				Purlins		C - D 2186	- 8019
Bot chord: 2x4 SP #1	; Dense [.]			In lieu of structural panels o to laterally brace chords as	r rigid ceiling use purlins follows:		
Webs: 2x4 SP #3; W2	2,W10 2	x4 SP #1;		Chord Spacing(in oc)	Start(ft) End(ft)	Maximum Bot	Chord Forces Per Ply (lbs)
Nailnote				BC 108	0.00 13.25 0.00 13.25		
Nail Schedule:0.128"x	3", min.	nails		Apply purlins to any chords	above or below fillers	K-J 8839 J-I 8839	-2400 I-H 5829 -1613 -2400
Top Chord: 1 Row @	5.75" 0	.c.		at 24" OC unless shown oth	erwise above.	• • • • • • • • • • • • • • • • • • • •	2.00
Webs :1 Row @ 4	3.00 0. 4" o.c.	с.		spans at 24" oc in lieu of str	ructural sheathing.	Maximum We	b Forces Per Ply (lbs)
Use equal spacing bet	tween ro	ows and stagger r	nails	\\\{!	-	Webs Tens.	Comp. Webs Tens. Comp.
(1) 1/2" bolts may be u	used for			Wind loads and reactions b	and an MWERS	A - L 599	- 1977 C - I 238 - 866
(2) 0.128"x3", min. nai	ils on			End vorticals exposed to wi	nd prossure Deflection	A-K 5729	-1578 I-E 2330 -598
The Bottom Chord On	iy.			meets L/180.		B-K 257	-632 H-F 5596 -1528
Special Loads				and the	NA H	C - J 1308	- 346 F - G 609 - 2017
(Lumber Dur.Fac.	=1.25 /	Plate Dur.Fac.=1	.25)	In the second	TO MA	It is the responsib	ility of the Duilding Designer and
BC: From 10 plf a	at 0.0	00 to 10 plf at	13.25	and the second	CENSAN	Truss Fabricator t	o review this drawing prior to
TC: 398 lb Conc. Lo	bad at 0	0.52, 2.52,10.72,1	2.72	12/1		cutting lumber to	verify that all data, including
BC: 630 lb Conc. Lo	bad at 1	1.44, 3.44, 5.44, 6	6.44		70861	plans/specification	ns and fabricators truss layout.
8.44,10.44,12.44	ad at 5	02 6 23 8 23					-
		0.02, 0.23, 0.23		*			
Plating Notes				110	TATE OF		
(++) - This plate works	s for bot	h joints covered.					
scaled plate (s) require s	special p Is for sp	ositioning. Refer	to		CORIDE		
requirements.	•	. 3		Sc	COME ENG		
Plates sized for a mini	mum of	3.50 sq.in./piece	-	COA #0278	UNAL Funne		
				E1~04/26/24	Wate of Product Approvel #	T 1000	
				FIORMA COR	rneate of r router Approval #h	L 1777	
IMPORTA	**WAF	RNING READ	AND FOL	LOW ALL NOTES ON THIS DE	RAWING! UDING THE INSTALLERS		
Trusses require extrem	ne care i	in fabricating, har	dling, ship	ping, installing and bracing. R	efer to and follow the latest edition	on of BCSI (Buildin	à
bracing per BCSI. Unle	ess note	d otherwise, top o	chord shall	have properly attached structu	ral sheathing and bottom chord s	shall have a proper	íy 🔶
as applicable. Apply p	plates to	each face of trus	s and pos	tion as shown above and on the	e Joint Details, unless noted oth	erwise. Refer to	
jurawings 160A-2 101 St	anuard	piale positions. R	eiei to job	s General Notes page for addit	ionai miornalion.		

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 106016	FLAT	Ply: 2	Job Number: B53792AB	Cust: R 857 JRef: 1XeU8570002 T1
FROM: RNB		Qty: 1	Green Res Roof	DrwNo: 110.22.0729.27833
Page 2 of 2			Truss Label: FTG1	SSB / WHK 04/20/2022
Deflection				

Max JT VERT DEFL: LL: 0.27" DL: 0.23". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Truss must be installed as shown with top chord up.



FlorRth 2027072 ate of Product Approval #FL 1999

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



SEQN: 105936	GABL	Ply:	1	Job Nu	mber: B53792AB			Cust: R 857 JRef: 1XeU8570002 T10
FROM: RNB		Qty:	1	Green R	Res Roof			DrwNo: 110.22.0727.36740
				Truss L	abel. GET			33B / WHK 04/20/2022
		Ţ		<u>1'9*10</u> <u>1'9*10</u> <u>+</u> _2' (∏ 	1110'14 15' 93'3 + 46 (P) + 110'10 (P) + 426 - J	7 ⁷² 24'10'6 + 2 '5 93'3 + 1	2689-1 199710	
		511901	н ¹⁰	10.9 3X8(- 5C1 8 4 4 4 5C1 8 4 8 5C1 8 4 8 5 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8		(°) (a) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	33X4(")	1172
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind C Wind S Speed Enclos Risk C EXP: E Mean I TCDL: BCDL: MWFR C&C E	Criteria Std: A : 140 sure: Cl ategor 3 Kzt Height: 4.2 ps 6.0 ps 2S Para 9ist a: 3	a ASCE 7-16 mph losed y: II : NA 16.45 ft f f allel Dist: 0 8.00 ft	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: Varies by Ld Case	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.003 J 999 360 VERT(CL): 0.008 J 999 240 HORZ(LL): -0.002 B - - HORZ(TL): 0.004 B - - Creep Factor: 2.0 Max TC CSI: 0.209 Max BC CSI: 0.059 Max Web CSI: 0.183	▲ Maximum R Gravity Loc R+ /R- AH*145 /- AI* 148 /- Wind reactions AH Brg Wid = AI Brg Wid = Bearings AH & Members not li Maximum Gat	eactions (Ibs), or *=PLF y Non-Gravity - / Rh / Rw / U / RL /- /54 /- /11 /- /62 /- /- s based on MWFRS 200 Min Req = - 120 Min Req = - 120 Min Req = - 120 Min Req = stan 375# bited have forces less than 375# bite Forces Per Ply (Ibs)
	Loc. fr	om enc GCpi	dwall: Any i: 0.18		Plate Type(s):		Gables Tens.	Comp
	Wind D	Duratio	n: 1.60		WAVE	VIEW Ver: 21.01.03A.0805.15	J-AA 7	- 429
Lumber Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1 Bot chord: 2x4 SP #3; Stack Chord: SC1 2x4 Stack Chord: SC2 2x4 Lt Stub Wedge: 2x6 S Bracing (a) Continuous lateral member. Or 1x4 #3SF reinforcement. 80% le with 8d Box or Gun (0 (b) Continuous lateral member. Or 2x4 #3 or length of web member (0.128*x3*,min.)nails (0 Plating Notes All plates are 2X4 exce (**) 2 plate(s) require s scaled plate plot detail requirements. Plates sized for a mini Loading Truss designed to sup and cladding load not and 24.0* span opposi cut or notched, unless	; I SP #1; SP #1; P #1;Rt restrain RB SPF- ngth of .113"x2 restrain better ' r. Attach @ 6" oc ept as n special Is for sp imum of poort 1-4 to exce ; specific	Stub \ t equal S or b web m S-5, min t equal T" reir reir reir reir reir voted. position ecial p 3.50 s - - - - - - - - - - - - - - - - - - -	Nedge: 2x6 etter "T" ember. Atta .)nails @ 6 lly spaced of forcement. h 10d Box of hing. Refer ositioning sq.in./piece chord outlo 0 PSF one hord must erwise.	6 SP #1; on ached " oc. on . 80% or Gun to	Purlins In lieu of structural panels of to laterally brace chords as Chord Spacing(in oc) TC 47 TC 75 TC 24 TC 75 TC 47 BC 120 Apply purlins to any chords at 24" OC unless shown oth	or rigid ceiling use purlins follows: Start(ft) End(ft) -1.60 1.50 0.00 11.07 11.07 15.60 15.60 26.67 25.17 28.26 0.00 26.67 above or below fillers herwise above.		
					COA #0 278	ONAL EN MILLION		
					Flor 94/29/20	22 Heate of Product Approval #FI 1	1999	
**IMPORTA Trusses require extrem Component Satety Info bracing per BCSI. Unle attached rigid ceiling. L as applicable. Apply c	**WAI	RNING FURNI in fabri d othe s show each	** READ SH THIS D cating, har PI and SBC rwise, top c yn for perm face of trus	AND FO RAWING dling, sh A) for sa chord sha anent lat s and po	LLOW ALL NOTES ON THIS D G TO ALL CONTRACTORS INC ipping, installing and bracing. R dety practices prior to performing all have properly attached structu teral restraint of webs shall have sitton as shown above and on th	RAWING! LUDING THE INSTALLERS tefer to and follow the latest edition intese functions. Installers shall p iral sheathing and bottom chord sha bracing installed per BCSI sections e Joint Details, unless noted other	of BCSI (Buildin rovide temporary all have a proper s B3, B7, or B10, wise. Refer to	ng Ay

drawings 160A-Z'for standard plate positions. Refer to job's General Notes page for additional information. Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 105936	GABL	Ply: 1	Job Number: B53792AB	Cust: R 857 JRef: 1XeU8570002 T10
FROM: RNB		Qty: 1	Green Res Roof	DrwNo: 110.22.0727.36740
Page 2 of 2			Truss Label: GE1	SSB / WHK 04/20/2022
Wind				•

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

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



Flor@d:@d?mate of Product Approval #FL 1999 **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.



PEOLE NPAB Op: 1 Constants one Root Description Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	SEQN: 106026	GABL	Ply: 1	Job Nur	nber: B53792AB			Cust: R 857 JRef: 1X	eU8570002 T33
Pipp 1 0 2 [198 J 0 4]	FROM: RNB		Qty: 1	Green R	es Roof			DrwNo: 110.22.0727	'.40637
Leading Differing on Wind Orienta TCLL: 2000 TCLL: 2000 Wind Disconta See Orienta Disconta Disconta See Orienta	Page 1 of 2			Truss La	abel: GE3			SSB / WHK)4/20/2022
Lading Criteria (cd) Wind Criteria TOL: 2000 Speed: 140 fbr Speed: 140 rph BCUL: 0.00 Fist Catagory: Base Criteria (cd) Maintum Reactions (Ibc), or "-PLF Gravity: Non-Gravity: BCUL: 0.00 Fist Catagory: Base Criteria Soft: 2.00 Des Li: 700 Mean Height: 2.33 rg Soft: 2.00 Soft: 2.00 Land Duration: 1.60 Soft: 2.00 Land Duration: 1.60 Cop Cip Cit 24 2.73 rg Fill Sti 2.00 rg Cop Cip Cit 24 2.73 rg Fill Sti 2.00 rg Cop Cip Cit 24 2.73 rg Fill Sti 2.00 rg Cop Cip Cit 2.30 MWrEP Smallel Dist 2.20 rg More Cip Smaller 1.71 rg Cop Cip Cit 2.42 SP #1; Staic Chord: Staic Sta				Т	+ 19'10 + 98' + 19'10 + 78'6 + 18' + 2 - 1 (TYP) 10.9 12 10.9 12 10.		19714		
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Locking Criteria (or) Mind Striteria Show Criteria (Pp H PST) DefICS (Criteria A Maximum Reactions (Bp), or *PUF C1L: 7.00 Speed: 140 mph Endosure: Closed But Mind Striteria Non-Gravity, Work-Gravity, Work-Gravity, Work-Gravity, Work-Gravity, Work-Gravity, Work-Gravity, Work-Gravity, Work-Gravity, U / R. C1L: 10.00 Resk Category: II Strike Category: II Strike Category: II But Mind Striker, Closed But Mind Gravity, Work-Gravity, Work					3	→ 3, → →			
BCDL: 10.00 Des Lat: 37.00 NCBCL: 10.00 EXP: C Kat: NA Mean Height: 25.73 nt TCDL: 42 psf BCDL: 60 psf Locd Duration: 1.25 Spacing: 24.0 ** Snow Duration: NA EXP: C Mark 10.028 F Hor Z(LL): 0.028 F Hor Z(LL): 0.028 F Soft:: 2.00 Spacing: 24.0 ** BCDL: 6.0 psf CCP: 6.18 Wind Duration: 1.20 GCpL: 0.18 Wind Duration: 1.20 WARMER Snow Duration: NA Hor Z(LL): 0.028 F Hor Z(LL): 0.028 F Hor Z(LL): 0.028 F To chord: 2.42 Psf BCDL: 6.0 psf Loc. from endwall: not in 12.11 ff GCpL: 0.18 Wind Duration: 1.80 Wark Chord: Sci 2.42 SP #1; Snow Duration: NA Hor Z(LL): 0.028 F Hor Z(LL): 0.028 F Hor Z(LL): 0.028 F Lumber To chord: 2.52 SP #1; This designed to support 1-4.0 top chord outlookers and clading load not be exceed 6.00 PSF ore face. Top chord: 2.52 SP #1; Now Duration: NA Hor Z(LL): 0.028 F Max Buc CSI: 0.486 Harmum Top Chord Forces Per Ply (Ibs) Chords Tens.Comp. Chords Spacial positioning requirements. Wind loads based on MWFRS with additional C&C member design. Chord Spacing in o. Size (Chord: Sci 2.44 SP #1; Size (Chord: Sci 2.44 SP #1; Bracing (n) Continuous lateral patient regular positioning. Chord Spacing in o. Size (Chord Spacing in Size Spacing in Size Spacin Jpiece. Purime First Size Spacing in	Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00	Wind S Wind S Speed Enclose	Criteria Std: ASCE 7-1 l: 140 mph sure: Closed	6	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): -0.003 I 999 360 VERT(CL): 0.006 I 999 240	▲ Maximum R Gravit Loc R+ / R A* 128 /-	eactions (Ibs), or *= y N - / Rh / Rw /- /83	=PLF on-Gravity / U / RL /38 /47
Des Ld: 37.00 Hean Hundlic 270 / B NCBCLL: 100, NCBCLL: 100, NCBCL: 142 pf HOD2(14.2 pf Soft: 2.00 BCD1: 6.0 pf Cad Duration: 1 FTF Site: 2014 Rep Fai: Varies by Ld Case Max RC CSI: 0.512 Max Web CSI: 0.486 Max RC CSI: 0.372 Max Web CSI: 0.487 Max RC CSI: 0.438 Max Web CSI: 0.487 Max RC CSI: 0.438 Max Web CSI: 0.487 Max Mux GBB CFORE SPE PI (Ib) Cond Spacing In 0.01 Mix SI: 0.01 Mix IIIIIIII Mind loads based on MWFRS with additional C&C<	BCDL: 10.00		ategory: II		Snow Duration: NA	HORZ(LL): -0.025 F	Wind reactions	s based on MWFRS	/00 /11
NUBBLE 17000 TODL: 42 psf Joad Duration: 1.25 BODL: 60 psf MWFRS Parallel Dist: h/z to h FRC Thi Ed. 2020 Res. FRC Thi Ed. 2020 Res. Max TC CS1: 0.334 Max BC CS1: 0.512 Max TC CS1: 0.334 Max BC CS1: 0.436 Maximum Bot Chord Forces Per Ply (Bs) Cock Dista 3: 00 ft Load Duration: 1.60 Wate VEW Ver: 21:01:03.0.0805.15 Max BC CS1: 0.45 P #1; Loading Top chord: 2x4 SP #1; Loading Stack Chord: SC1 2x4 SP #1; Truss designed to support 1-4:0 top chord outcokers and 24.0° grap opposite face. Top chord must not be crude fool OPFF one face and 24.0° grap opposite face. Top chord must not be crude fool OPFF one face and 24.0° grap opposite face. Wind Back David CM 4858 PF 3; Wind Wind Back Based on MWFRS with additional C&C. Ref Face: Wind Wind back based on MWFRS with additional C&C. Ref Face: Wind Vinit back based on both gable and hip roof types. Plaing Modes Nin back based on where to sign. All plates are 2X4 except as noted. ('') 1 plate(s) require special positioning. Refer to scale face for a ninimum of 3.50 sq.in./piece. Puting Bace 120 0.00 1.50 C C 2 30 0.00 1.50 1.417	Des Ld: 37.00	Mean	Height: 25.73 ft		Building Codo:	HORZ(TL): 0.028 F	A Brg Wid = Bearing A is a	170 Min Req = -	
Land Duration: 1.25 DVLCE: 50 parallel Dist: h/2 to h Spacing: 24.0 * Max BC CSI: 0.512 Max BC CSI: 0.512 Lube: form endwall: not in 12.111 GCp: 0.18 Max BC CSI: 0.486 Max Web CSI: 0.486 Ac-C 379 -866 C-G 351 - 698 Lumber Loc. form endwall: not in 12.111 Graphont: 24: SP #1; VIEW Ver: 21.01.03A.0805.15 Maximum Eot Chord Forces Per Ply (lbs) Lumber Loading Trust designed to support 1-4-0 top chord outcolers and cladding foad not to exceed 6.00 PSF one face and cladding foad not to exceed 6.00 PSF one face and cladding foad not to exceed 6.00 PSF one face and cladding foad not to exceed 6.00 PSF one face and cladding based on MWFRS with additional C&C A-O 724 -322 O-L 724 - 322 Bracing (a) Continuous lateral restraint equally spaced on member. Of 14:4 SSRB SPF a SP st obtement: member of using not space face. Top chord must not be cut or notched, unless spacified otherwise. Wind Wind Wind A:O 724 - 322 O-L 724 - 322 O-L 724 - 322 O-L 724 - 322	NCBCLL: 10.00 Soffit: 2.00	TCDL:	4.2 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.334	Members not li	isted have forces les	s than 375#
Spacing: 24.0* C&C Dist a: 3.0 nt Loc. from endwall: not in 12.11 ft GCp: 10.18 Wind Duration: 1.60 Rep Fac: Varies by Ld Case WAVE Max Web CSI: 0.488 Lumber Loc. from endwall: not in 12.11 ft GCp: 0.18 WAVE VIEW Ver: 21.01.03A.0805.15 Lumber Loading Top chord: 2x4 SP #1; Stack Chord: SCI 2x4 SP #1; Wind Loading based on MWFRS with additional C&C Putins In leu of structural panels or rigid ceiling use purifis to laterally brace chords as follows: Chord Spacing(in cc) 1500 14:17 TC 75 9.500 14:17 TC 75 9.	Load Duration: 1.25	MWFF	RS Parallel Dist:	h/2 to h	TPI Std: 2014	Max BC CSI: 0.512	Maximum Top Chords Tens	Chord Forces Per	Ply (lbs) Tens Comp
Lumber Lob. Itom endwall: not in 12.111 [*1/k1.200/000] NEW Ver: 21.01.03A.0805.15 Net or 3/s rodd Cr-d submer vertices Lumber Lumber Neading VIEW Ver: 21.01.03A.0805.15 Maximum Bot Chord Forces Per Ply (lbs) Top chord: 2x4 SP #1; Chords Tens.Comp. Chords Tens.Comp. Chords Tens.Comp. Stack Chord: SC1 2x4 SP #1; Trues designed to support 1.4-0 top chord outlookers and 24.0* span opposite face. Top chord must not be cut or notched, unless specified otherwise. A - 0 724 - 322 Bracing Nind deading loads to the succed 6100 PSF one face and 24.0* span opposite face. Top chord must not be cut or notched, unless specified otherwise. Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. Chords Tens.Comp. G- 0 233 - 387 Wind back based on MWFRS with additional C&C Tenses to rot notched, unless special positioning requirements. G- 0 233 - 387 Plating Notes Mind based on both gable and hip roof types. Wind loading based on both gable and hip roof types. G- 0 233 - 387 Plates are 2X4 except as noted. Mind loading based on both gable and hip roof types. Not 70881 Not 70881 Go 0 233 - 387 Plates are 2x0 could at all for special positioning requirements. Force 120 0.00 14.17 Force 120 0.00 14.17 Force 120 0.00 1	Spacing: 24.0 "	C&C	Dist a: 3.00 ft		Rep Fac: Varies by Ld Case	Max Web CSI: 0.486			251 609
Wind Duration: 1.60 WAYE VIEW Ver: 21.01.03A.0806.15 Maximum Bot Chord Forces Per (Pp (lbs)) Lumber Loading Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0° span opposite face. Top chord must not be cut or notched, unless specified otherwise. An or 724 - 322 O - L 724 - 322 Bracing Truss designed to support 1-4-0 top chord outlookers stack Chord: SCI 2x4 SP #1; Maximum Bot Chord Forces Per Ply (lbs) Bracing Wind Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0° span opposite face. Top chord must not be cut or notched, unless specified otherwise. A - 0 724 - 322 O - L 724 - 322 Bracing Wind Wind Wind loads based on MWFRS with additional C&C member 0.01 (1137x25, mm.)nais @ 6' oc. Wind loads based on both gable and hip roof types. A - 0 233 - 387 Plate size are 2X4 except as noted. ('') 1 plate(s) require special positioning requirements. Wind loading based on both gable and hip roof types. Wind Version of the special position face. A - 0 233 - 387 Plate size are 2X4 except as noted. 100 14.17 A poly putlins to any chords as follows: Wind loading based on both gable and hip roof types. A - 0 724 - 1999 - 0 - 0 - 0 <td< td=""><td></td><td>LOC. IT</td><td>om endwall: not GCpi: 0.18</td><td>ι in 12.11 π</td><td>Plate Type(s):</td><td></td><td>A-C 3/9</td><td>-000 C-G</td><td>331 - 096</td></td<>		LOC. IT	om endwall: not GCpi: 0.18	ι in 12.11 π	Plate Type(s):		A-C 3/9	-000 C-G	331 - 096
Lumber Loading Chords Tens. Comp. Chords Tens. Comp. Top chord: 2x4 SP #1; This designed to support 1-4-0 top chord outlookers and 24.0 spen opposite face. Top chord mutationates and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord function the second 6.00 PSF one face and 24.0 spen opposite face. Top chord mutation to the second 6.00 PSF one face and 24.0 spen opposite face. Top chord function the second 6.00 PSF one face and 24.0 spen opposite face. Top chord function the second 6.00 PSF one face and 24.0 spen opposite face. Top chord function the second 6.00 PSF one face and 24.0 spen opposite face. Top chord function the second 6.00 PSF one face and 24.0 spen opposite face. Top chord function the second face face face and 24.0 spen opposite face face and beaching. Top chord functin the second face fa		Wind I	Duration: 1.60		WAVE	VIEW Ver: 21.01.03A.0805.15	Maximum Bot	t Chord Forces Per	Ply (lbs)
Top chord: 2x4 SP #1; Truss designed to support 1-4:0 top chord outlookers and clading load not to exceed 6:00 PSF one face and 24.0° span opposite face. Top chord must not be cut or notched, unless specified otherwise. A - 0 724 - 322 0 - L 724 - 322 Bracing (a) Continuous lateral restraint equally spaced on member. Or 1x4 #33R8 SPF-S or better TT einforcement. 80% length of web member. Attached with 8d Box or Gun (0.113*x2.5*,min.)nails @ 6* oc. Wind Continuous lateral restraint equally spaced on member. Attached with 8d Box or Gun (0.113*x2.5*,min.)nails @ 6* oc. Ford resize space load on the top chord must not be cut or notched, unless space load on the top control types. Ford resize space load on the top control types. Plates are 2X4 except as noted. (*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements. Ford for an inimum of 3.50 sq.in./piece. Ford for an inimum of 3.50 sq.in./piece. Purins In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows: Cond Spacing(in c) Start(f) End(ft) TC Z3 0.00 1.50 TC 75 0.00 9.50 TC 75 0.00 0.00 41.17 TE 20 0.00 1.41 TT TE 20 0.00 1.50 TC 75 0.00 0.00 41.17 TE 20 0.00 1.50 TC 75 0.00 0.00 41.17 TE 20 0.00 0.00 41.10 TE 20 0.00 0.00 41.10 TE 20 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Lumber				Loading		Chords Tens.	Comp. Chords	Tens. Comp.
Stack Child: Sc2 2X4 SF #1; Wind Getter Bracing (a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SHB SPF-S or better "T" einforcement. 80% length of web member. Attached with 8d Box or Gun (0.113*x2.5*,min.)naits @ 6* oc. Wind Getter Getter 233 - 387 Plating Notes All plates are 2X4 except as noted.	Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 Stack Chord: SC2 2x4	; ; 4 SP #1	• •		Truss designed to support and cladding load not to ex and 24.0" span opposite fa cut or notched, unless spec	1-4-0 top chord outlookers ceed 6.00 PSF one face ce. Top chord must not be cified otherwise.	A - O 724 Maximum Gal	→ - 322 O - L ble Forces Per Ply (724 - 322 [Ibs)
Bracing (a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better 'T" reinforcement. 80% length of web member. Attached with 8d Box of Gun (0.113 x2.5, min.)naite @ 6" oc. Wind loads based on MWFRS with additional C&C member design. Plating Notes All plates are 2X4 except as noted. (*') 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements. End verticals exposed to wind pressure. Deflection meets L/180. Plates sized for a minimum of 3.50 sq.in./piece. Furlins In lieu of structural panels or rigid ceiling use purlins to laterally brace fords as follows: Chord Spacing(in oc) TC 75 9.50 14.17 BC 120 0.00 14.17 Apply purlins to any chords above or below fillers at 24° OC unless shown otherwise above. No. 7088 1 Vistor Vistor Vist	Slack Chord. SC2 22	+ 37 #1	,		Wind		G-0 233	<u>- 387</u>	
 (a) Continuous lateral restraint equalay spaced on member design. member design. member design. member design. member design. member design. member design. Plating Notes All plates are 2X4 except as noted. (") 1 plate(s) require special positioning requirements. Plates sized for a minimum of 3.50 sq.in./piece. Purins In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows: Chord Spacing(in co) Start(ft) End(ft) TC 23 0.00 1.50 TC 75 0.00 9.50 1.417 TC 33 11.60 14.17 BC 120 0.00 14.17 Apply purlins to any chords above. Perform Start 24* OC unless shown otherwise above. Perform Contract on the product Approval #FL 1999 "IMPORTANT" FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS Trusses require extince exting barden of both y THI and GSCAI for safety precise proceent of the precise structural shealts extended barden proceent attracted structural shealth are a proceent 	Bracing				Wind loads based on MWF	RS with additional C&C	0-0 200	- 307	
The inforcement. 80% length of web member. Attached with 8d Box or Gun (0.113*x2.5*,min.)nails @ 6* oc. Plating Notes All plates are 2X4 except as noted. (**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements. Plates sized for a minimum of 3.50 sq.in./piece. Purlins In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows: Chord Spacing(in oc) Start(ft) End(ft) TC 75 0.00 9.50 TC 75 0.50 14.17 TC 75 0.00 9.50 TC 75 9.50 14.17 TC 39 11.60 14.17 Apply purlins to any chords above. Flortfit 26/2002 and 1.50 COA #000 00000000000000000000000000000000	member. Or 1x4 #3SF	restrair RB SPF	S or better "T"	a on	member design.	ind prossure. Deflection			
Wind loading based on both gable and hip roof types. Plating Notes All plates are 2X4 except as noted. (*') 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements. Plates sized for a minimum of 3.50 sq.in./piece. Purlins In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows: Chord Spacing(in oc) Start(ft) End(ft) TC 33 0.00 1.50 TC 75 9.50 14.17 TC 33 11.60 14.17 BC 120 0.00 14.17 BC 120 0.00 14.17 Apply purlins to any chords above or below fillers at 24* OC unless shown otherwise above. **MARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS Tursees require extern care in fabriating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Schord) shall have eroperly attacted structural sheathing and bracing. Refer to and follow of the latest shall provide temporary brace for on below fillers at 24* OC unless shown otherwise, top chord shall have eroperly attacted structural sheathing and bracing. Refer to and follow of the latest shall provide temporary brace for on both shall have eroperly attacted structural sheathing and bracing. Refer to and follow of the latest shall provide temporary	reinforcement. 80% le	ength of	web member. A	Attached	meets L/180.	ind pressure. Denection			
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All plates are 2A4 except as noted. (**) 1 plates is require special positioning. Refer to scaled plate plot details for special positioning requirements. Plates sized for a minimum of 3.50 sq.in./piece. Purlins In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows: Chord Spacing(in oc) Start(ft) End(ft) TC 23 0.00 1.50 TC 75 0.00 9.50 TC 75 0.00 9.50 TC 75 0.00 14.17 BC 120 0.00 14.17 BC 120 0.00 the 14.17 Apply purlins to any chords above or below fillers at 24° OC unless shown otherwise above. **WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING! **WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!	Plating Notes		4 d						
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requirements. Plates sized for a minimum of 3.50 sq.in./piece. Purlins In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows: Chord Spacing(in oc) Start(ft) End(ft) End(ft) TC 75 0.00 TC 75 9.50 TC 75 9.50 TC 75 9.50 TC 75 9.00 BC 120 0.00 Unless shown otherwise above. ElorAll 20:00 FlorAll 20:00 14.17 Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above. ElorAll 20:00 **WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING! **MPORTANT** FUNNIST TH EDURATION THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS Trusses require exterine fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Stafety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary	scaled plate plot detai	ils for sp	pecial positionin	g	and the second se	A H			
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TC 75 0.00 9.50 TC 75 9.50 14.17 TC 39 11.60 14.17 Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above. STATA OF Florida Certaina Florida Certaina **WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING! **MARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING! **MARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING! **MARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING! **MARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING! **MARNING** 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	Chord Spacing(ir	n oc)	Start(ft) End	1(ft) 50					
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BC 120 0.00 14.17 Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above. Flor At 20 APR 2 at of Product Approval #FL 1999 **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	TC 75		9.50 14. 11.60 14.	17 17		MAIAUE			
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COA #0278 ONAL Florent Florent Coefficient of Product Approval #FL 1999 **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 Dracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly	at 24" OC unless show	wn othe	rwise above.		6.0	Gland			
FlorMa Certificate of Product Approval #FL 1999 **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					COA #0/278	ONAL EN MILLION			
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	Component Safety Info	ormation	n, by TPI and SI	anuling, shi BCA) for sai b chord sha	fety practices prior to performing Il have properly attached structu	these functions. Installers shall p iral sheathing and bottom chord sha	rovide temporar	y Y ny	

Alpine, a division of ITW Building Components Group Inc. shall not be responsibility or additional information. 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 drawings for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 106026	GABL	Ply: 1	Job Number: B53792AB	Cust: R 8	57 JRef:1	1XeU8570002	Т33
FROM: RNB		Qty: 1	Green Res Roof	DrwNo:	110.22.07	27.40637	
Page 2 of 2			Truss Label: GE3	SSB /	WHK	04/20/2022	
A L PATE S L NUMBER		-	•				

Additional Notes

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

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



FlorRt/ 2027092 ate of Product Approval #FL 1999

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



SEQN: 105986 FROM: RNB	GABL	Ply: Qty:	1 2	Job Nur Green R Truss L	nber: B53792AB les Roof abel: GE4			Cust: R 857 JRef: 1XeU8570002 T27 DrwNo: 110.22.0727.43593 SSB / WHK 04/20/2022
				- 	$ \begin{array}{c} + \frac{1975}{164} \\ \frac{3}{92} \\ + 15^{\circ} + 2^{\circ} \\ + 15^{\circ} + (77P) \\ + 15^{\circ} + 2^{\circ} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	H 130'11 57'11 H H H H H H H H H H H H H	±209'14	
				 */ +	=4X6(B2) 	P =4X6(52) M 15'15 (NNL) (NNL)	Ψ	
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind & Speed Enclos Risk C EXP: (Mean TCDL: BCDL: BCDL: MWFF C&C L Loc. fr	Criteria Std: A sure: C sategor C Kzt Height: 4.2 ps 6.0 ps S Para Dist a: 3 om end GCp	ASCE 7-16 mph losed y: II : NA : 24.39 ft f f allel Dist: 0 8.00 ft dwall: Any i: 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: Varies by Ld Case FT/RT:20(0)/0(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.001 F 999 360 VERT(CL): 0.003 F 999 240 HORZ(LL): -0.003 B HORZ(TL): 0.004 B Creep Factor: 2.0 Max TC CSI: 0.534 Max BC CSI: 0.228 Max Web CSI: 0.100	▲ Maximum R Gravity Loc R+ / R- B* 144 /- Wind reactions B Brg Wid = Bearing B is a Members not li Maximum Top Chords Tens. B - D 615 H - J 59	eactions (Ibs), or *=PLF / Non-Gravity / Rh / Rw / U / RL /- /61 /- /19 based on MWFRS 178 Min Req = - rigid surface. sted have forces less than 375# Ochord Forces Per Ply (Ibs) Comp. Chords Tens. Comp. - 363 J - L 259 - 426 - 401
Lumber Top chord: 2x4 SP #1 Bot chord: 2x4 SP #3; Stack Chord: SC1 2x Stack Chord: SC2 2x Bracing (a) Continuous lateral member. Or 1x4 #3S reinforcement. 80% le with 8d Box or Gun (0 Plating Notes All plates are 2X4 exc	Wind I Wind I Wi	Duratio	n: 1.60 Ily spaced o etter "T" ember. Atta .)nails @ 6	on ached " oc.	WAVE Wind Wind loads based on MWF member design. Wind loading based on both Additional Notes See DWGS A14030ENC16 gable wind bracing and oth Stacked top chord must NC area (NNL). Dropped top cf intervals. Attach stacked to top chord in notchable area oc. Center plate on stacked plate length perpendicular t chord in notchable area usi	VIEW Ver: 21.01.03A.0805.15 RS with additional C&C h gable and hip roof types. S0118 & GBLLETIN0118 for her requirements. DT be notched or cut in hord braced at 24" oc p chord (SC) to dropped using 3x4 tie-plates 24" V/dropped chord interface, o chord length. Splice top ng 3x6.	Maximum Gat Gables Tens. P - H 494	ole Forces Per Ply (Ibs) Comp - 287
Plates sized for a mir Purlins In lieu of structural pa to laterally brace chor Chord Spacing(i TC 53 TC 75 TC 75 TC 53 BC 75 Apply purlins to any c at 24" OC unless sho Loading Truss designed to su	imum of inels or i ds as fo n oc) hords al wn othe	f 3.50 s rigid ce llows: Start(f -1.61 0.39 7.42 13.34 0.00 pove or rwise a	iling use pu iling use pu t) End(fi 1.50 7.42 14.44 16.44 16.44 18.44 16.44 16.44 16.45 thelow fille bove.	urlins t) rs	ANILLA ANILLA Bases	M H. TO CENSE 0. 70861 TATA OL ORIDA	-	
and cladding load not and 24.0" span oppos cut or notched, unless **IMPORT	to exce site face s specifie **WAI	ed 6.00 . Top c ed othe RNING FURNI) PSF one hord must erwise. ** READ SH THIS D	face not be AND FO RAWINC	COA #0278 FlorAt/2024 LLOW ALL NOTES ON THIS DI TO ALL CONTRACTORS INC	A Constant of Product Approval #FL RAWING! LUDING THE INSTALLERS	1999	
Trusses require extrer Component Safety Inf bracing per BCSI. Unl attached rigid ceiling. as applicable Apply	ne care ormatior ess note Locatior plates to	in fabri n, by Tl d othe is shov	cating, han PI and SBC rwise, top c yn for perm face of trus	dling, shi CA) for sa chord sha anent lat s and po	ipping, installing and bracing. R fety practices prior to performing Il have properly attached structu eral restraint of webs shall have sition as shown above and on th	eter to and follow the latest edition these functions. Installers shall p ral sheathing and bottom chord sha bracing installed per BCSI sections e Joint Details. unless noted other	ot BCSI (Buildin rovide temporary all have a proper B3, B7, or B10, wise. Refer to	g ly

as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, "unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information. Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 105946	GABL	Ply: 1	Job Nur	nber: B53792AB			Cust: R 857 JRef: 1XeU8570002 T2
FROM: RNB		Qty: 1	Green R	es Roof			DrwNo: 110.22.0727.54013
raye I UI Z		<u> </u>	Truss L	auei. GEO			000 / WITK U4/2U/2U22
		4/0//40		44/07/4	410 20/010	221	
		- 1'9"10		9'3"3	12	+ - 32 - 1'9"10	
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	Ŧ	AO		<u>а на с с с с с</u>			⊥ - Φ ¹⁰¹²
				=3X6	=3X6		
		k					
		. 1'6" .		32'		. 1'6"	
		<u> • ⁻ • •</u>		32'			
		(NNL)				(NNL) -1'6"-	
				1	1	, -,	
Loading Criteria (psf)	Wind (Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum R	eactions (lbs), or *=PLF
TCLL: 20.00	Wind S	itd: ASCE 7-16		Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R+ /R-	/ Non-Gravity /Rh /Rw /U /RL
BCLL: 0.00	Enclos	ure: Closed		Lu: NA Cs: NA	VERT(CL): 0.008 999 240	AO*156 /-	/- /56 /- /14
BCDL: 10.00	Risk C	ategory: II		Snow Duration: NA	HORZ(LL): -0.009 J	V* 138 /-	/- /70 /9 /-
Des Ld: 37.00	EXP: C Mean I	Fight: 17.66 ft			HORZ(TL): 0.012 K	Wind reactions	based on MWFRS
NCBCLL: 10.00	TCDL:	4.2 psf		Building Code:	Creep Factor: 2.0	V Brg Wid =	296 Min Reg = - 88.0 Min Reg = -
Soffit: 2.00	BCDL:	6.0 psf	to h/2	TPI Std: 2014	Max BC CSI: 0.287	Bearings AO &	AA Fcperp = 425psi.
Spacing: 24.0 "	C&C D	ist a: 3.20 ft	10 1/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.192	Members not li	sted have forces less than 375#
	Loc. fro	om endwall: Any		FT/RT:20(0)/0(0)		Chords Tens.	Comp. Chords Tens. Comp.
		GCpi: 0.18		Plate Type(s):	V/IEW/ V/or: 21.01.024.0805.15	B-C 608	-535 U-V 482 -587
Lumber	wind L			Purline	VIEW Vel. 21.01.03A.0605.15]	
Top chord: 2x4 SP #1				In lieu of structural panels o	r rigid ceiling use purlins		
Bot chord: 2x4 SP #1;				to laterally brace chords as	follows:		
Stack Chord: SC1 2x4	SP #1;			TC 54	-1.60 1.90		
Stack Chord: SC2 2x4	SP #1;	Stub Wedge: 2vf	S SD #1.	TC 75	0.00 11.07		
Li Olub Weuge. 2x0 0	ι <i>π</i> 1,1\	Stub Wedge. 2A	, J J I #1,	TC 75	20.93 32.00		
Bracing				TC 54 BC 120	30.10 33.60 0.00 32.00		
member. Or 1x4 #3SF	restrain B SPF-	t equally spaced of -S or better "T"	on	Apply purlins to any chords	above or below fillers		
reinforcement. 80% le	ngth of	web member. Atta	ached	at 24" OC unless shown otr	ierwise above.		
(b) Continuous lateral	rostrain	.5 ,min.)naiis @ 6	00.				
member. Or 2x4 #3 or	better '	T" reinforcement.	80%				
length of web member (0.128"x3" min)nails (2. Attach	ed with 10d Box o	or Gun	- CHIM			
				Martin VA	M T. Kollin		
All plates are 214 ever	ont ac n	otod		See. Ver	CENSAL		
(**) 2 plate(s) require s	epi as n enecial i	nositioning Refer	to	13/1	the for the the		
scaled plate plot detail	s for sp	ecial positioning			70861		
requirements.							
Fiales Sized for a mini		5.50 sq.in./piece.	•	<u></u> **			
Loading					TATA OLIA		
and cladding load not	port 1-4 to exce	-u top chord outlo ed 6.00 PSF one	okers face				
and 24.0" span opposi	te face	Top chord must r	not be	CAN'S	ORIDEN		
cut or notched, unless	specifie	a otnerwise.		SS S	IONIAL END		
				COA #0 27	WRACHAL MINIMUM		
				Floreta Eler	Reate of Product Approval #FL	. 1999	
	WΔ	RNING READ		LLOW ALL NOTES ON THIS	RAWING!		
IMPORTA	NT	FURNISH THIS D	RAWING	TO ALL CONTRACTORS INC	LUDING THE INSTALLERS	of DCOL (Dutter	a
Component Safety Info	rmation	i, by TPI and SBC	A) for sa	pping, installing and bracing. R fety practices prior to performing	these functions. Installers shall p	rovide temporary	9 /
attached rigid ceiling. L	ocation	s shown for perm	anent lat	eral restraint of webs shall have	bracing installed per BCSI sections	B3, B7, or B10,	
drawings 160A-Z for st	nates to andard	plate positions. R	s and po efer to io	suon as snown above and on the b's General Notes page for addit	e Joint Details, Unless noted other ional information.	wise. Refer to	

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 105946	GABL	Ply: 1	Job Number: B53792AB	Cust: R 857 JRef: 1XeU8570002 T2
FROM: RNB		Qty: 1	Green Res Roof	DrwNo: 110.22.0727.54013
Page 2 of 2			Truss Label: GE5	SSB / WHK 04/20/2022
Wind				•

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

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



FlorRth 2027072 ate of Product Approval #FL 1999

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



SEQN: 105975	GABL	Ply: 1	Job Nu	mber: B53792AB			Cust: R 857 JRef: 1XeU8570002 T38
FROM: RNB		Qty: 2	Green R	Res Roof			DrwNo: 110.22.0727.57350
			Truss L	adel: GE16			SSB / WHK 04/20/2022
				i i			
		— 3'1"12 — -	- '2' - (TYP	───┤ ┝╾─)	- 1'9" — -		1
			($\overline{}$ $\overline{}$ $\overline{}$ $\overline{}$
				12	Н		
4				T G			
6				EF			10"
				D			0 0
		C					4 0 0
			-				
	В		1				
<u>3*15</u> A					U		\downarrow \downarrow \downarrow $ \bigcirc$ ^{20'9"14}
	=2X4((A1) Ń	\int	M L	, J		<u> </u>
		. ,					
ا <u>ا</u>	e"			11'0"8			
-	0 -1-			11'0"8	- - 708		-1
						-	
Loading Criteria (psf)	Wind 9	Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	A Maximum R Gravity	eactions (Ibs), or *=PLF Non-Gravity
TCDL: 7.00	Speed	: 140 mph		Pf: NA CLINA CAT. NA	VERT(LL): 0.134 H 798 360	Loc R+ /R-	/Rh /Rw /U /RL
BCLL: 0.00	Enclos	sure: Closed		Lu: NA Cs: NA	VERT(CL): 0.216 H 496 240	K* 162 /-	/- /69 /60 /39
BCDL: 10.00	EXP: E	ategory: II 3 Kzt: NA		Snow Duration: NA	HORZ(LL): 0.045 H	I 249 /-	/- /79 /158 /-
Des Ld: 37.00	Mean	Height: 23.90 ft		Building Code:	HORZ(TL): 0.072 H	Wind reactions	based on MWFRS
Soffit: 2.00	TCDL:	4.2 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.921	K Brg Wid =	111 Min Req = -
Load Duration: 1.25	MWFF	RS Parallel Dist: h	to 2h	TPI Std: 2014	Max BC CSI: 0.740	Bearing B Fcce	1.5 erp = 425psi.
Spacing: 24.0 "	C&C E)ist a: 3.00 ft		Rep Fac: Varies by Ld Case	Max Web CSI: 0.370	Members not li	sted have forces less than 375#
	LOC. II	GCpi: 0.18	112.111	Plate Type(s):		Maximum Top	Chord Forces Per Ply (lbs)
	Wind [Duration: 1.60		WAVE	VIEW Ver: 21.01.03A.0805.15		406
Lumber						B-C 40	- 400
Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1	;					Maximum Gab	ole Forces Per Ply (Ibs)
Webs: 2x4 SP #3;	,					Gables Tens.	Comp.
Plating Notes						G - K 342	- 552
All plates are 2X4 exc	ept as r	oted.					
Plates sized for a min	imum of	3.50 sq.in./piece	-				
Purlins							
In lieu of structural pa	nels or i	igid ceiling use p	urlins				
Chord Spacing(ii	as as to n oc)	Start(ft) End(f	t)				
TC 75 BC 75		-1.55 18.08					
Apply purlins to any c	hords at	ove or below fille	rs	CALL IN THE OWNER OF			
at 24" OC unless sho	wn othe	rwise above.		Server V	MT. Kolly		
Loading				and the second	CENSALO		
Truss designed to sup	port 1-4	I-0 top chord outle ed 6 00 PSF one	ookers face	13/1			
and 24.0" span oppos	site face	Top chord must	not be	- I 7 s	70861		
cut or notched, unless	s specifie	ed otherwise.					
Wind				<u> </u>			
Wind loads based on member design	MWFR	S with additional (C&C		STATE OF		
Wind loading based o	n both g	able and hip roof	types.				
Additional Notos	_				CORIO		
See DWGS A14030F	NC1601	18 & GBULETIN	0118 for	MILLS	MONIAL END		
gable wind bracing a	nd other	requirements.		COA #0 4	14/82 IN-P2/801 (2001 P1 (2001 P1)		
				FlorRth/Cer	942 ate of Product Approval #FL	1999	
	WA	RNING READ	AND FO	LLOW ALL NOTES ON THIS D	RAWING!		
	ANT**	FURNISH THIS D		G TO ALL CONTRACTORS INC	LUDING THE INSTALLERS	of BCSI (Buildin	a
Component Safety Info	ormation	h, by TPI and SBC	A) for sa	tety practices prior to performing	these functions. Installers shall p	rovide temporary	
attached rigid ceiling.	Location	shown for perm	anent lat	eral restraint of webs shall have sition as shown above and on the	bracing installed per BCSI sections	B3, B7, or B10, wise. Refer to	·y 🔶 👔
drawings 160A-Z for s	tandard	plate positions. R	efer to jo	b's General Notes page for addit	tional information.		
truss in conformance	vy Build	SI/TPI 1, or for h	andling,	shipping, installation and bracin	g of trusses. A seal on this drawing, any fa	g or cover page	AN ITW COMPANY
mound and arganitic the	nudies a	icceptance of blot	ฐออเบเติม	engineening responsipility solely	ingi are design shown. The suitabili	iy anu use ul inis	North Dullation Ath Ele

Institute 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; TP1: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org





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



SEQN: 105997	GABL	Ply: 1	Job Nur	nber: B53792AB			Cust: R 8	57 JRef:1)	(eU85700	02 T28
FROM: RNB		Qty: 1	Green R	es Roof			DrwNo:	110.22.072	8.04493	
Page 1 of 2			Iruss La	abel: GE-2			SSB /	WHK	04/20/20	22
				+ 1910 1910 ↓- 82' 646	<mark>+ 120'6 + 13'10'</mark> + 3'10'6 + 19'10 + ⊢ 16'4 →					
				224(X4 G D D D D D D D D D D D D D	0914				
				(NNL) 3'	(NNL) 3'					
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 POPL: 0.00	Wind Wind Speed Enclos Risk C	Criteria Std: ASCE d: 140 mph sure: Closed	7-16	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.004 G 999 360 VERT(CL): 0.007 G 999 240	▲ Maximum F Gravi Loc R+ / R M* 130 /-	Reactions ty - / Rh	(Ibs), or * N / Rw /47	=PLF lon-Grav / U /-	/ity / RL /21
BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00	EXP: 0 Mean	C Kzt: NA Height: 26.3 : 4.2 psf	4 ft	Snow Duration: NA Building Code:	HORZ(LL): 0.016 K HORZ(TL): 0.021 K Creep Factor: 2.0	Wind reaction M Brg Wid = Bearing T Fcp	s based o = 166 Mi perp = 425	n MWFRS n Req = - psi.	a than f	075#
Soffit: 2.00 Load Duration: 1.25	BCDL MWFF	: 6.0 psf RS Parallel D	ist: 0 to h/2	FBC 7th Ed. 2020 Res. TPI Std: 2014	Max TC CSI: 0.113 Max BC CSI: 0.039 Max Web CSI: 0.750	Maximum To Chords Tens	p Chord I Comp.	Forces Pe Chords	r Ply (lb: Tens.	s/ 5# s) Comp.
Spacing: 24.0 "	C&C I Loc. fr	Dist a: 3.00 ft rom endwall: GCpi: 0.18	not in 12.11 ft	FT/RT:20(0)/0(0) Plate Type(s):	Max Web CSI. 0.759	A-C 78 C-G 78	4 - 309 8 - 253	G - J J - K	668 378	- 253 - 256
	Wind	Duration: 1.6	0	WAVE	VIEW Ver: 21.01.03A.0805.15	Maximum Bo	+ Chord E	orcos Po	Dby (lbg	e)
Lumber Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1	; :			Loading Truss designed to support and cladding load not to ex	1-4-0 top chord outlookers ceed 6.00 PSF one face	Chords Tens	.Comp.	Chords P - M	Tens.	Comp. - 571
Webs: 2x4 SP #3; Stack Chord: SC1 2x4 Stack Chord: SC2 2x4	4 SP #1 4 SP #1	;		and 24.0" span opposite facut or notched, unless spec	ce. Top chord must not be cified otherwise.	Maximum We	eb Forces	Per Ply (I	bs)	
Bracing	-			Wind		Webs Tens	.Comp.			
(a) Continuous lateral member. Or 1x4 #3SI	restrair RB SPF	nt equally spa -S or better '	aced on 'T"	Wind loads based on MWF member design.	RS with additional C&C	B-S 29	8 - 656		<i></i> .	
reinforcement. 80% le with 8d Box or Gun (0	ength of).113"x2	web membe 2.5",min.)nails	er. Attached s @ 6" oc.	meets L/180.	ind pressure. Deneolion	Gables Tens	.Comp.	Gables	(IDS) Tens.	Comp.
Plating Notes				Wind loading based on bot	h gable and hip roof types.	B-T 89	9 - 328	G - P	282	- 889
(**) 3 plate(s) require scaled plate plot detail	special ils for sp	positioning. I positioning. I pecial positio	Refer to ning	- LEWING						
requirements. Plates sized for a min	imum o	f 3.50 sq.in./	piece.	ALL AND	CENSO					
Purlins In lieu of structural pa to laterally brace chor Chord Spacing(ii TC 31 TC 75	nels or ds as fo n oc)	rigid ceiling u bllows: Start(ft) 1 0.00 0.00	use purlins End(ft) 2.07 8.17	*	0. 70861					
TC 75 TC 48 BC 120 Apply purlins to any cl at 24" OC unless shore	hords a wn othe	8.17 12.26 0.00 bove or below rwise above.	13.83 15.43 13.83 w fillers	PROF	ORIDA					
				COA #0 278	ONAL ENCLUSION					
	*****			FlorRtt/20270	Reate of Product Approval #FL 1	.999				
IMPORT	ANT	FURNISH TI		TO ALL CONTRACTORS INC	LUDING THE INSTALLERS	(000) (0				
Component Safety Info bracing per BCSI. Unle	ne care ormation ess note	in fabricating n, by TPI and ed otherwise,	, nandling, shi SBCA) for sa top chord sha	pping, installing and bracing. R fety practices prior to performing Il have properly attached structu	terer to and tollow the latest edition these functions. Installers shall p ral sheathing and bottom chord sha	or BCSI (Buildi rovide tempora all have a prope	ng rý ríly			

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. 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 for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.



SEQN: 105997	GABL	Ply: 1	Job Number: B53792AB	Cust: R 85	7 JRef:1	XeU8570002	T28
FROM: RNB		Qty: 1	Green Res Roof	DrwNo: 1	10.22.072	28.04493	
Page 2 of 2			Truss Label: GE-2	SSB / V	VHK	04/20/2022	
		-	•				

Additional Notes

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

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



FlorEd/25/49#2ate of Product Approval #FL 1999 **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 pracing 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.



Image: product of the full of the state of the stat	SEQN: 105948 FROM: RNB	GABL	Ply: 1 Qty: 1	Job Nu Green F Truss L	mber: B53792AB Res Roof Label: GEPB5			Cust: R 857 JRef: 1XeU8570002 T7 DrwNo: 110.22.0728.06903 SSB / WHK 04/20/2022
Claim 2 Criteria (rg Pl in PS) Claim 2 Criteria Provide Cri				B→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→→	$\begin{array}{c} \frac{7'2}{7'2} & \frac{4'10'14}{4'3'12} \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & $	$\begin{array}{c} 972'10 \\ 43'12 \\ 7'2 \\ 7'2 \\ 1 \\ 7'2 \\ 1 \\ 7'2 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ $	7 319.9	
Joading Criteria (ep) Wind Striteria Sow Criteria Pg:NA C NA Control (SIS) Criteria Alaximum Reactions (BS), or ">PLF CTCL: 20.00 Speed: 140 mph Pg:NA C NA CA: NA <td></td> <td></td> <td></td> <td></td> <td></td> <td>4*15 </td> <td></td> <td></td>						4*15 		
particing 2.100 Dec Disk a. 3.001 T FT/RT:20(0)0(0) Plate Type(s): Min Req = 1.5 Dig Wind Duration: 1.60 WAVE VIEW Ver: 21.01.03A.0805.15 Brg Wind = 4.3 Min Req = 1.5 Dig Wind Duration: 1.60 WAVE VIEW Ver: 21.01.03A.0805.15 Brg Wind = 4.3 Min Req = 1.5 Dig Wind Duration: 1.60 WAVE VIEW Ver: 21.01.03A.0805.15 Brg Wind = 4.3 Min Req = 1.5 Dig Wind Duration: 1.60 WAVE VIEW Ver: 21.01.03A.0805.15 Brg Wind = 4.3 Min Req = 1.5 Dig Wind Duration: 1.60 WAVE VIEW Ver: 21.01.03A.0805.15 Brg Wind = 4.3 Min Req = 1.5 Dig Wind Duration: 1.60 WAVE VIEW Ver: 21.01.03A.0805.15 Brg Wind = 4.3 Min Req = 1.5 Dig Wind Duration: 1.60 Wave See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements. Refer to DWG PB160160118 for piggyback details. Pating Notes See Dig Wind 2.43 Set Min Req = 1.5 See DWGS A1403ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements. Refer to DWG PB160160118 for piggyback details. Pating Notes Set Top Chard Min Req = 1.6 See DWGS A1403ENC160118 for piggyback details. Min Req = 1.6 Min Req = 1.6 Chard Space fords as follows: Top 5.43 So 2.60 So 2.60 Min Min Min Min Min	Loading Criteria (pst) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0	Wind Speed Enclos Risk C EXP: 0 Mean TCDL BCDL MWFF	Criteria Std: ASCE 7-16 I: 140 mph sure: Closed ategory: II C Kzt: NA Height: 17.66 ft : 4.2 psf : 6.0 psf RS Parallel Dist: 0	to h/2	Pg: NA Ct: NA CAT: NA Pf: 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: Varies by Ld Case	Derrucsi Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.001 D 999 360 VERT(CL): 0.001 D 999 240 HORZ(LL): 0.002 E - - HORZ(TL): 0.003 E - - Creep Factor: 2.0 Max TC CSI: 0.156 Max BC CSI: 0.038 Max Web CSI: 0.066	A maximum K Gravit Loc R+ / R A 2 /- B* 158 /- G 2 /- B /-11 /-12 H /-14 Vind reactions	y Non-Gravity - / Rh / Rw / U / RL /- /182 /173 /219 /- /74 /51 /- /- /28 /19 /- 15 39 44 s based on MWFRS
Lumber Additional Notes Made Top chord: 2x4 SP #1; Bot chord: 2x4 SP #3; Members not listed have forces less than 375# Webs: 2x4 SP #3; See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements. Refer to DWG PB160160118 for piggyback details. Members not listed have forces less than 375# Plating Notes Alditional Notes Refer to DWG PB160160118 for piggyback details. Plates sized for a minimum of 3.50 sq.in./piece. Purins In lieu of structural panels or rigid celling use purlins to laterally brack chords as follows: On 0.15 Chord Spacing(in co) Start(f) End(fi) TC 75 0.40 4.31 TC 75 0.41 9.02 BC 100 0.15 8.48 Apply purlins to any chords above or below fillers at 24° C0 unless shown otherwise above. Members not listed have forces less than 375# Wind Wind loading based on both gable and hip roof types. Member design. Wind loading based on both gable and hip roof types. Eorth? 2024BBase or Product Approval #FL 1999	opaoing. 24.0	Loc. fr	om endwall: Any GCpi: 0.18 Duration: 1.60		FT/RT:20(0)/0(0) Plate Type(s):	VIEW Ver: 21 01 03A 0805 15	A Brg Wid = B Brg Wid = G Brg Wid = Bearings A B	: 4.9 Min Req = 1.5 : 103 Min Req = - : 4.9 Min Req = 1.5 & G are a rigid surface
Clinic Spacing(In 0c) Star(II) End(II) TC 75 -0.40 4.31 TC 75 4.31 9.02 BC 100 0.15 8.48 Apply purlins to any chords above or below fillers at 24 ' OC unless shown otherwise above. E. Loading Truss designed to support 1-4-0 top chord outlookers and clading load not to exceed 6.00 PSF one face and 24.0° span opposite face. Top chord must not be cut or notched, unless specified otherwise. Wind Wind loads based on MWFRS with additional C&C member design. Wind loading based on both gable and hip roof types. STATLA OL Wind loading based on both gable and hip roof types. STATLA OL	Lumber Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; Plating Notes All plates are 2X4 exc Plates sized for a mini Purlins In lieu of structural pair to laterally brace chorn Chord Service	; imum o imum o nels or ds as fo	noted. f 3.50 sq.in./piece rigid ceiling use pu llows: Cast(k) End(k)	urlins	Additional Notes See DWGS A14030ENC16 gable wind bracing and oth Refer to DWG PB1601601	50118 & GBLLETIN0118 for her requirements. 18 for piggyback details.	Members not I	isted have forces less than 375#
Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0° span opposite face. Top chord must not be cut or notched, unless specified otherwise. Wind Wind loads based on MWFRS with additional C&C member design. Wind loading based on both gable and hip roof types. Florent Celebrate of Product Approval #FL 1999	TC 75 TC 75 BC 100 Apply purlins to any cl at 24" OC unless show	nords al	Output Output Output -0.40 4.31 9.02 0.15 8.48 bove or below fille rwise above.	ers	A STATE OF STATE	N H. Kaling		
member design. Wind loading based on both gable and hip roof types. COA #0278 ONAL ENGLINE Flore# 20278222 at of Product Approval #FL 1999	Truss designed to sup and cladding load not and 24.0" span oppos cut or notched, unless Wind	port 1-/ to exce ite face specifi	4-0 top chord outlo ed 6.00 PSF one . Top chord must ed otherwise.	ookers face not be	* N	0. 70861	-	
FlorR#/2028#ate of Product Approval #FL 1999	Wind loads based on member design. Wind loading based o	n both (gable and hip roof	types.	COA #0278	ORIDA		
		**\&/ A				Reate of Product Approval #FL	1999	

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. Alpine, a division of ITW Building Components Group Inc. shall not be responsibile for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 105930	HIPS	Ply: 1	Job Nu	mber: B53792AB				Cust: R 85	7 JRef:1X	(eU8570002 T18
FROM: RNB		Qty: 1	Green F	les Roof				DrwNo:	110.22.072	8.09237
				adei: HZA				55B /		04/20/2022
		2'1"5		9'6"8	+	<u> </u>		2'1"5		
		215		155		753		215		
	40									
6	12	⊪5X6 C		I	∥2X4	. (-)	∭5 <u>X</u> 6			
Ŧ					<u>п</u>	(a)	لمًا الم			Ŧ
8.0	В			(a)		1551		F		ດ -
7"14 A		<u> </u>							G	⁵ → 10'1"2
	M	J		_			H	Ŵ	\searrow	$\downarrow - \Psi$
	⊪4X6(G	i1) ⊪∠∧4		=	=070		∠∧4	⊪4X6(G1)		
	_				19'1'	n				
		414.480		7101145		7101145				
1'	6" - -	1'11"9		7'6"15 9'6"8	+	7'6"15		10'1"		
		1113		900		1717		191		
								 - -	1'6" 🗕	
				1		I	1			
Loading Criteria (psf)	Wind C	Criteria		Snow Criteria (Pg,Pf in PS	SF)	Defl/CSI Criteria	A Maximu	m Reactions	(lbs)	lon-Gravity
TCDL: 20.00	Speed	: 140 mph		Pg: NA Ct: NA CAT: Pf: NA Ce: N	NA A	VERT(II): 0.214 D 999 360	Loc R+	/R- /Rh	/ Rw	/U /RL
BCLL: 0.00	Enclos	ure: Closed		Lu: NA Cs: NA		VERT(CL): 0.392 D 584 240	B 816	/- /-	/452	/231 /78
BCDL: 10.00		ategory: II		Snow Duration: NA		HORZ(LL): 0.024 C	F 816	/- /-	/452	/231 /-
Des Ld: 37.00	Mean I	Height: 15.00 ft		Duilding Codes		HORZ(TL): 0.043 C	Wind reac	ions based or id – 3.0 Mi	ו MWFRS מופס – 1	5
NCBCLL: 10.00	TCDL:	4.2 psf		FBC 7th Ed 2020 Res		Max TC CSI: 0 617	F Brg W	id = 3.0 Mi	n Req = 1.	.5
Load Duration: 1.25	BCDL:	6.0 pst S Parallel Dist: 0	to h/2	TPI Std: 2014		Max BC CSI: 0.527	Bearings E	& F Fcperp =	= 425psi.	- + 075#
Spacing: 24.0 "	C&C D	Dist a: 3.00 ft		Rep Fac: Yes		Max Web CSI: 0.961	Maximum	Top Chord F	orces Pe	r Plv (lbs)
	Loc. fro	om endwall: not in	4.50 ft	FT/RT:20(0)/0(0)			Chords T	ens.Comp.	Chords	Tens. Comp.
	Wind D	Ouration: 1.60				VIEW Ver: 21.01.03A.0805.15	B-C	1111 - 1299	D - E	2627 - 2798
Lumber							C-D	2627 - 2798	E - F	1112 - 1299
Top chord: 2x4 SP #1	;						Maximum	Bot Chord F	orces Per	Ply (lbs)
Bot chord: 2x4 SP #1	;						Chords T	ens.Comp.	Chords	Tens. Comp.
Lt Stub Wedge: 2x4 S	SP #3;Rt	Stub Wedge: 2x4	I SP #3;				B-J	1142 - 937	I-H	1136 - 943
Bracing							J - I	1136 - 949	H-F	1142 - 931
(a) Continuous lateral	restrain	t equally spaced o	n				Movimum	Web Feren	Dor Dhy /I	(ha)
member. Or 2x4 #3 o	r better '	"T" reinforcement.	80% or Gun				Webs T	ens.Comp.	Webs	Tens. Comp.
(0.128"x3",min.)nails	@ 6" oc.						C - I	1688 - 1642	1- F	1688 - 1642
Plating Notes							D - I	701 - 470	. –	1000 1012
Plates sized for a min	imum of	3.50 sq.in./piece.								
Purline						and address of the same first on the				
In lieu of structural pa	nels or r	iaid ceilina use pu	Irlins	هد.	Internet	M H. Inne				
to laterally brace chor	ds as fo	llows:	、 、	A STRATE	J	To May				
TC 49	n oc)	-1.57 2.11)			UCENSE'T CM				
TC 24		2.11 16.98 16.98 20.65		15	¢					
BC 120		0.00 19.08				No. 70861 🗸 👔 🔤	_			
Apply purlins to any c at 24" OC unless sho	hords at wn other	oove or below filler rwise above	ſS							
				101						
Wind loads based on		S with additional C				STATA UK				
member design.				8		TODOT AS				
Wind loading based of	on both g	able and hip roof	types.		60	Gland				
				COA	+ m 25	ONAL EN MILLER				
				COAT	r0* 2 7	17 i 6.4 82 184 93 18 93 1 53 6 191 546 1 1				
				Flor	퀀i	Hiffeate of Product Approval #FI	L 1999			
	WA	RNING READ	AND FO	LLOW ALL NOTES ON TH	IIS D	RAWING!				
IMPORT	ANT I ne care i	FURNISH THIS D	RAWIN(dlina. sh	IO ALL CONTRACTORs وا نو ipping, installing and bracin	s INC a. F	CUDING THE INSTALLERS Refer to and follow the latest edition	of BCSI (Bi	iildina		
Component Safety Inf bracing per BCSI. Unl	ormation ess note	n, by TPI and SBC	 A) för sa hord sha 	fety practices prior to perfo Il have properly attached s	rmine	g these functions. Installers shall p iral sheathing and bottom chord sha	rovide temp all have a pr	orary operiv		
attached rigid ceiling. as applicable. Apply	Location plates to	s shown for perma	anent lat s and po	eral restraint of webs shall sition as shown above and	have on th	bracing installed per BCSI sections be Joint Details, unless noted other	s B3, B7, or wise. Refe	B10, f to	_	
arawings 160A-Z for s	tandard W Ruildi	plate positions. Re	eter to jo Group Ind	b is General Notes page for shall not be responsible f	addi or an	nional information.	ailure to buil	d the	AL	
	- Dunu	ing components (stoup in		<u>, a</u>	, as a during any is a during, any is				AN ITW COMPANY

Truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing are page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 105932	HIPS Ply: 1	Job Number: B53792AB		Cust: R 857 JRef: 1XeU8570	002 T19
FROM: RNB	Qty: 1	Green Res Roof Truss Label: H3A		DrwNo: 110.22.0728.11287 SSB / WHK 04/20/2	, 2022
6 	B H H H H H H H H H H H H H	Truss Label: H3A 96"8 6 12X4 6 II2X4 B II2X4 B II2X4 B II2X4 III2X4 III2X4 <tr< td=""><td>15'10"6 6'3"14 =</td><td>SSB / WHK 04/20/2</td><td>022 ⊕^{10′1*2}</td></tr<>	15'10"6 6'3"14 =	SSB / WHK 04/20/2	022 ⊕ ^{10′1*2}
 1'6	6" - - 	6'5"10 - -	6'5"10	<u></u>	
	3'0"14	9'6"8	16'0"2	19'1"	
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.095 D 999 360	▲ Maximum Reactions (Ibs) Gravity Non-Gra Loc R+ / R- / Rh / Rw / U	avity / RL
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.175 D 999 240	B 816 /- /- /463 /230 F 816 /- /- /463 /230	/95 /-
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft	Duilding Coder	-HORZ(TL): 0.030 C	Wind reactions based on MWFRS	,
NCBCLL: 10.00 Soffit: 2.00	TCDL: 4.2 psf BCDL: 6.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.865	F Brg Wid = 3.0 Min Req = 1.5 Bearings B $= 500$ F Separa = 425	
Load Duration: 1.25	MWFRS Parallel Dist: h/	/2 to h Rep Fac: Yes	Max BC CSI: 0.381 Max Web CSI: 0.807	Members not listed have forces less than	375#
epacing: _ no	Loc. from endwall: not in	1 4.50 ft FT/RT:20(0)/0(0)		Chords Tens.Comp. Chords Tens	os) . Comp.
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.03A.0805.15	B-C 1011 - 1217 D-E 185	5 - 1960
Lumber Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; Lt Stub Wedge: 2x4 S	; ; ;; ;; #3;Rt Stub Wedge: 2x4	4 SP #3;		Maximum Bot Chord Forces Per Ply (II Chords Tens.Comp. Chords Tens B - J 1045 - 802 I - H 1044	2 - 1217)s) . Comp. 0 - 804
Plating Notes				J-I 1040 -810 H-F 104	5 - 796
Plates sized for a mini	imum of 3.50 sq.in./piece			Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens	. Comp.
In lieu of structural par	nels or rigid ceiling use pu	urlins		C-I 959 -947 I-E 959) - 946
to laterally brace coorr Chord Spacing(ir TC 64 TC 64 TC 64 BC 120 Apply purlins to any cl at 24" OC unless show	as as follows: n oc) Start(ft) End(ft -1.57 3.22 3.22 15.87 15.87 20.65 0.00 19.08 hords above or below fille wn otherwise above.	rs	M H. Kolin	D-I 632 -418	
Wind Wind loads based on member design. Wind loading based o	MWFRS with additional C	C&C types.	No. 70861	_	
		COA #02 FlorRt 201	2002 ate of Product Approval #FI	, 1999	
IMPORT/A Trusses require extrem Component Safety Info bracing per BCSI. Unle attached rigid ceiling. I as applicable. Apply drawings 160A-2 for si	**WARNING READ ANT** FURNISH THIS D me care in fabricating, har ormation, by TPI and SBC ass noted otherwise, top c cocations shown for perm plates to each face of trus tandard plate positions. R	AND FOLLOW ALL NOTES ON THIS D RAWING TO ALL CONTRACTORS INC Iding, shipping, installing and bracing. F A) for safety practices prior to performing thord shall have properly attached struct anent lateral restraint of webs shall have s and position as shown above and on the effect to job's General Notes page for add	RAWING! LUDING THE INSTALLERS Refer to and follow the latest edition g these functions. Installers shall p ural sheathing and bottom chord sh bracing installed per BCSI sections e Joint Details, unless noted other itional information.	of BCSI (Building rovide temporary all have a property B3, B7, or B10, wise. Refer to	ÌNË

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/TPL 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/TPL 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 105928	HIPS	Ply: 1	1	Job Nur	nber: B53792AB					C	Cust: R 857	JRef:1Xe	JU8570002	2 T4 [·]
FROM: RNB		Qty: 1	1	Green R	es Roof abel: HG1A						DrwNo: 1 SSB / W	10.22.0728 /HK ເ	.13610)4/20/202	2
$ \begin{array}{c} 12 \\ 6 \\ \hline 11714 \\ \hline 11714 \\ \hline 14 \\ \hline 14 \\ \hline 1 \\ \hline 14 \\ \hline 1 \\ 1 \\ \hline 1 \\ \hline 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$	- IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	$\frac{1}{1}$ $= 4 \times 10$ C N $31)$ $= 2 \times 4$		6'10"11 5'10"11	abel: HG1A = 4X4 D W2 $= 5X6$	9'6"8 2'7"13 III2X4 E =3X10 19'1"	12'2"5 2'7"13 ≡4X4 F =5X6	18'1 5'10	" "11 	≡4X10 G J III2X4	19'1" 1' H (6(G1)	 μ. 16 ⁻¹⁴	<u></u>	<u>2</u> _10'1"2
 1'	6"		6	"7"3		2'11"5	2'11"5		6'7"3			3" 		
	- , 		6	"7"3	' I	9'6"8 '	12'5"13 '		19'1"			· ·		
Loading Criteria (psf)	Wind (Criteria Std: A	SCE 7-16		Snow Criteria (F	²g,Pf in PSF) CAT⁺ NA	Defl/CSI Criteria PP Deflection in	a loci/defii/#	▲ Maxin	n um Re a Gravity	actions (lbs) No	on-Gravit	ty
TCDL: 7.00	Speed	: 140 r	nph		Pf: NA	Ce: NA	VERT(LL): 0.4	41 E 518 360	Loc R+	/ R-	/ Rh	/ Rw	/U	/ RL
BCLL: 0.00 BCDL: 10.00	Risk C	ategory	/: II		Lu: NA Cs: NA Snow Duration: N	A IA	VERT(CL): 0.7 HORZ(LL): 0.0	92 E 289 240 40 C	B 997 H 997	/- /-	/- /-	/- /-	/267 /267	/- /-
Des Ld: 37.00	EXP: C Mean I	; Kzt: Height:	NA 15.00 ft		Building Code:		HORZ(TL): 0.0	72 C	Wind rea	actions b Wid = 3	ased on .0 Min	MWFRS Reg = 1.5	5	
Soffit: 2.00	TCDL: BCDL:	4.2 psf 6.0 psf	f		FBC 7th Ed. 2020) Res.	Max TC CSI:	0.848	H Brg	Wid = 3	.0 Min Ecpern –	Req = 1.5 425nsi	5	
Load Duration: 1.25 Spacing: 24.0 "	MWFR	≀S Para Vista:3	Ilel Dist: 0	to h/2	TPI Std: 2014 Rep Fac: Varies t	ov Ld Case	Max BC CSI: Max Web CSI:	0.950 0.443	Member	s not list	ed have	forces less	s than 37	5#
opuoling. 2 no	Loc. fr	om end	wall: not in	n 4.50 ft	FT/RT:20(0)/0(0)				Maximu Chords	Tens.C	omp.	Chords	Tens. C) Comp
	Wind [GCpi: Duratior	. 0.18 1: 1.60		WAVE		VIEW Ver: 21.0 ⁴	1.03A.0805.15	B-C	338 -	1506	E-F	1190	- 4705
Lumber	·				Wind			<u> </u>	D-E	1045 - 1190 -	4165	G-H	1045 338	- 4165 - 1506
Bot chord: 2x4 SP #1 Bot chord: 2x4 SP #1;	;				Wind loads a Wind loading	nd reactions b based on both	ased on MWFRS	oof types.	Maximu	m Bot (bord Fo	rces Per	Plv (lbs)	
Webs: 2x4 SP #3; W2 Lt Stub Wedge: 2x4 S	2,W8 2x P #3;Rt	4 SP #1 t Stub V	l; Vedge: 2x4	4 SP #3;			gable and mp is		Chords	Tens.C	omp.	Chords	Tens. C	Comp.
Special Loads									B - N N - M	1281 1203	- 298	L-K	4287	- 1105
(Lumber Dur.Fac. TC: From 56 plf a	=1.25/ at -1	Plate D .63 to)ur.Fac.=1. 56 plf at	.25) 1.00					M - L	4286 -	1105	J - H	1282	- 298
TC: From 28 plf a TC: From 56 plf a BC: From 4 plf a BC: From 10 plf	at 1. at 18. at -1. at -1.	00 to .09 to .63 to	28 plf at 56 plf at 4 plf at	18.09 20.71 0.00					Maximu Webs	m Web Tens.C	Forces I omp.	'er Ply (lb Webs	s) Tens. C	Comp.
BC: From 4 plf a	at 19. Dadiat (.08 to	4 plf at	20.71					C - M M - D	2905 189	- 774 - 381	L-F F-K	441 189	- 89 - 381
TC: 54 lb Conc. Lo	bad at 3	3.00, 5.0	00, 7.00, 9	.00			AT 15 TO TO TAL A STATE		D - L	441	- 89	K - G	2905	- 774
BC: 69 lb Conc. Lo BC: 46 lb Conc. Lo 10.09,12.09,14.09,16.	bad at 1 bad at 3 .09	1.03,18. 3.00, 5.(.05 00, 7.00, 9	0.00		A LA	MH. K							
Plating Notes	imum of	1 2 EO o	a in /nicco			A	CENSE.							
Purline	indin of	0.00 30	4.111./piece.	•	The Market	/ N	o. 70861	Λ	~					
In lieu of structural par	nels or r	rigid cei	ling use pı	urlins		k								
to laterally brace chore Chord Spacing(ir	ds as fol າ oc)	llows: Start(ft) End(fl	t)	and the second se	J ST	TATE OF							
TC 34 TC 24	•	-1.57	1.00			20.5	bbb							
BC 68		18.09 0.00	20.65 19.08			ESC.	CN	j lane						
at 24" OC unless show	vn other	rwise at	below fille pove.	rs	(COA #0 278	UNAL ENAL	ATTRACT.						
IMPORTA Trusses require extren Component Safety Info bracing per BCSI. Unle attached rigid ceiling. I as applicable. Apply drawings 160A-Z for si	**WAF ANT I and care ormation plates to tandard	RNING* FURNIS in fabric 1, by TP is show b each f plate p	** READ SH THIS D cating, han I and SBC wise, top c n for perm ace of trus ositions. R	AND FO PRAWING adling, shi CA) for sai shord sha anent lato s and pos efer to jol	I LLOW ALL NOTE: TO ALL CONTR pping, installing ar fety practices prior II have properly at ral restraint of we sition as shown ab o's General Notes	IorRa Certa S ON THIS DF ACTORS INCI to berforming tached structu bs shall have ove and on th page for addit	Additional and the second seco	t Approval #FL 1 STALLERS v the latest edition Installers shall p bottom chord sha per BCSI sections inless noted other	of BCSI (rovide ten all have a s B3, B7, c wise. Re	Building porary properly or B10, fer to				
Alpine, a division of IT truss in conformance v	W Buildi	ing Con SI/TPI 1	nponents (1, or for ha	Group Inc	. shall not be resp shipping, installati	onsible for any on and bracin	deviation from t	this drawing, any faseal on this drawing	ailure to b	uild the		155 Harle	an Ave	ITW COMPANY
drawing this drawing, Ind drawing for any structu For more information s	icales a ire is the see thes	e web s	nsibility of sites: Alpin	essional the Buildi e: alpinei	ng Designer per A tw.com; TPI: tpins	NSI/TPI 1 Sec t.org; SBCA: s	bcacomponents.	.com; ICC: iccsafe	.org; AWC	: or inis C: awc.o	ra	North Buil Glenview,	ding, 4th IL 60025	Floor

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





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

Glenview, IL 60025





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SEQN: 105943 FROM: RNB	GABL	Ply: 1 Qty: 5	Job Number: B53792AB Green Res Roof Truss Label: PB1	Cust: R 857 JRef: 1XeU8570002 T23 DrwNo: 110.22.0728.37977 SSB / WHK 04/20/2022
			$\begin{vmatrix} -7^{*2} \\ -7^{*2} \\ -7^{*2} \end{vmatrix} = 2^{*1} \\ 2^{*1} \\ -2^{*1} \\ 2^{*1} \\ -2^{*1} \\ -7^{*2} \\ -7^$	

7"2 4'1"14 2'0"15 2'0"15 5'4"2 2'8"1 4'9'

4"15

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ibs), or *=PLF
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 16.65 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCbi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/0(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.000 C 999 360 VERT(CL): 0.000 C 999 240 HORZ(LL): 0.000 D HORZ(TL): 0.001 D Creep Factor: 2.0 Max TC CSI: 0.081 Max BC CSI: 0.022 Max Web CSI: 0.010	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.03A.0805.15	
Lumber		Additional Notes		-

Lumber

Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;

Plating Notes

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

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows: **E** = -1/(4)

Chora	Spacing(in oc)	Start(II)	Ena(II)
TC	40	-0.40	2.08
тс	40	2.08	4.56
BC	46	0.15	4.01
pply purl	ins to any chords	above or be	low fillers

at 24" OC unless shown otherwise above.

Loading

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Wind loading based on both gable and hip roof types.



Refer to DWG PB160160118 for piggyback details.



FlorRt/ 2027092 ate of Product Approval #FL 1999

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.

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

SEQN: 106040 FROM: RNB	GABL	Ply: 1 Qty: 6	Job Nu Green F	Cust: R 857 JRef: 1XeU8570002 T25 DrwNo: 110.22.0728.40727					
			Truss L	_abel: PB-2	SSB / WHK 04/20/2022				
		1, 1990 L	- - - - - - - - - - - - - - - - - - -	772 54*1 772 418*15 =4X4 10.9 12 B B B B B B B B B B B B B B B B B B B		€ ²¹⁸³			
			Å	9'5"14 -	-1 ^{7*2} -1				
			4	4 [•] 752 4′8″15	<u>4'8"15</u> 10'1" 10'8"2				
					4*15 는 귀				
Loading Criteria (psf)Wind CriteriaTCLL:20.00Wind Std: ASCE 7-16TCDL:7.00Speed: 140 mphBCLL:0.00Enclosure: ClosedBCDL:10.00Risk Category: IIDes Ld:37.00Mean Height: 17.86 ftTCDL:2.00BCDL: 6.0 psfLoad Duration:1.25Spacing: 24.0 "C&C Dist a: 3.00 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: Varies by Ld Case FT/RT:20(0)/0(0)	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): -0.001 D 999 360 VERT(CL): 0.002 D 999 240 HORZ(LL): 0.004 D - HORZ(TL): 0.005 D - Creep Factor: 2.0 Max TC CSI: 0.780 Max BC CSI: 0.153 Max Web CSI: 0.033	▲ Maximum Re Gravity Loc R+ /R- A - /-39 B* 241 /- E - /-39 B -/-41 D -/-32 Wind reactions A Brg Wid = B Brg Wid = E Brg Wid =	Pactions (Ibs), or *=PLF Non-Gravity / Rh / Rw / U / RL 9 /- /384 /444 /239 /- /97 /109 /- 9 /- /302 /278 /- 9 - /302 /278 /- 9 2 based on MWFRS 4.9 Min Req = 1.5 113 113 Min Req = - 4.9 Min Req = 1.5 1.5		
	Wind I	GCpi: 0.18 Duration: 1.60		Plate Type(s): WAVE	VIEW Ver: 21.01.03A.0805.15	Bearings A, B, Members not lis	& E are a rigid surface. sted have forces less than 375#		
Lumber				Additional Notes		Maximum Top	Chord Forces Per Ply (lbs)		
Top chord: 2x4 SP #' Bot chord: 2x4 SP #1 Webs: 2x4 SP #3; Plating Notes All plates are 2X4(A1 Plates sized for a min	1; ;) except nimum o	as noted. f 3.50 sq.in./piece	<u>.</u>	Negative reaction(s) of -399 load case requires uplift cor Reactions. See DWGS A14030ENC16 gable wind bracing and oth Refer to DWG PB16016011	## MAX. from a non-wind nnection. See Maximum 0118 & GBLLETIN0118 for ier requirements. 18 for piggyback details.	A - B 488 B - C 253	-435 C - D 253 - 477 - 477		
Purlins In lieu of structural pa to laterally brace chor Chord Spacing(i TC 75 BC 110 Apply purlins to any c at 24" OC unless sho	anels or rds as fo in oc) chords al	rigid ceiling use p Ilows: Start(ft) End(f -0.40 4.75 4.75 9.89 0.15 9.34 bove or below fille rwise above.	urlins t)) !	A STATE OF A	Minimum Mi Minimum Minimum Min				
Loading Truss designed to su and cladding load not and 24.0" span oppos cut or notched, unless Wind Wind loads based on member design. Wind loading based of	pport 1-4 t to exce site face s specifi MWFR	4-0 top chord outle ed 6.00 PSF one . Top chord must ed otherwise. S with additional (gable and hip roof	ookers face not be C&C	N N N N N N N N N N N N N N N N N N N	0. 70861	-			
		·		ESS S	ONAL ENGINE				
				COA #0 ⁴² /8 Elor04/20/20/	22ate of Product Approval #EL	1000			
++++-	**WA	RNING** READ	AND FC	PIORMA CERT	RAWING!	1777			
Trusses require extrer Component Safety Inf bracing per BCSI. Unl attached rigid ceiling. as applicable. Apply	ANI** me care ormation ess note Location plates to	FURNISH THIS E in fabricating, har n, by TPI and SBC ed otherwise, top is shown for perm o each face of trus	CAWING CA) for sa chord sha anent lat ss and po	G TO ALL CONTRACTORS INCI- hipping, installing and bracing. R afety practices prior to performing all have properly attached structur teral restraint of webs shall have I sition as shown above and on the	EUDING THE INSTALLERS efer to and follow the latest editior these functions. Installers shall p ral sheathing and bottom chord sh bracing installed per BCSI section: e Joint Details, unless noted other	of BCSI (Buildin provide temporary all have a properi s B3, B7, or B10, rwise. Refer to	y 👝		

drawings 160A-Z'for standard plate positions. Refer to job's General Notes page for additional information. Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 105938	GABL	Ply:	1	Job Nu	mber: B53	3792AB			Cust: R 857 JRef: 1XeU8570002 T20				
FROM: RNB	ROM: RNB Qty: 1 Green Res Roof DrwNo: 110.22.0 Truss Label: PBGE1 SSB / WHK												
						-							
						<u>2'2"14</u> <u>1'7"12</u> <u>1'7"12</u>	4'5"12 + 7"2 1 3'10"10						
				다	10.9 -#4			**6					
						2X4 + ^{7"2} =							
						▲ <u> </u>	1'7"12						
							3'10"10						
						<u> 1712</u> 2′2″14	45"12						
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00	Wind S Wind S Speed Enclos	Criteria Std: A : 140 i sure: Cl	a SCE 7-16 mph osed		Snow C Pg: NA Pf: NA Lu: NA	riteria (Pg,Pf in PSF) Ct: NA CAT: NA Ce: NA Cs: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.000 C 999 360 VERT(CL): 0.000 C 999 240	▲ Maximum R Gravit Loc R+ / R- A 5 /-	eactions (Ibs), or *=PLF / Non-Gravity / Rh / Rw / U / RL /- /55 /47 /64				
BCDL: 10.00 Des Ld: 37.00	EXP: E	ategory 3 Kzt:): II : NA 16.45.44		Snow D	uration: NA	HORZ(LL): 0.000 D HORZ(TL): 0.000 D	B* 171 /- E 5 /-	/- /72 /28 /- /- /10 /1 /-				
NCBCLL: 10.00 Soffit: 2.00	TCDL:	4.2 ps	10.45 n f f		Building FBC 7th	Code: Ed. 2020 Res.	Creep Factor: 2.0 Max TC CSI: 0.048	Wind reactions A Brg Wid =	based on MWFRS 4.9 Min Req = 1.5				
Load Duration: 1.25 Spacing: 24.0 "	MWFR	S Para	allel Dist: 0	to h/2	TPI Std: Rep Fac	2014 c: Varies by Ld Case	Max BC CSI: 0.014 Max Web CSI: 0.008	E Brg Wid =	39.5 Min Req = - 4.9 Min Req = 1.5				
op 200g. =	Loc. fr	om end GCni	Iwall: Any		FT/RT:2 Plate Tv	20(0)/0(0) rpe(s):		Members not li	sted have forces less than 375#				
	Wind [Duration	n: 1.60		WAVE	r - (-)	VIEW Ver: 21.01.03A.0805.15]					
Lumber Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1 Webs: 2x4 SP #3;	, ,				Add See gabl Refe	Itional Notes DWGS A14030ENC16 le wind bracing and oth er to DWG PB1601601	60118 & GBLLETIN0118 for her requirements. 18 for piggyback details.						
Plating Notes							1 005						
All plates are 2X4(A1) Plates sized for a min) except imum of	as note 3.50 s	ed. :q.in./piece	-									
Purlins													
In lieu of structural pa to laterally brace chor	nels or r ds as fo	igid cei llows: Stort/fi	iling use pu	urlins N									
TC 33 TC 33	100)	-0.40 1.64	1.64 3.69	IJ									
BC 36 Apply purlins to any c	hords at	0.15 pove or	3.14 below fille	rs		a stantant	A H						
at 24" OC unless show	wn othei	rwise a	bove.			ALL AND	CENO						
Truss designed to sup	oport 1-4	I-0 top	chord outle	okers		A Street	UL VOE . C						
and 24.0" span opposi cut or notched, unless	site face.	. Top cl ed othe	hord must	not be		- 🚪 🖉 N	0. 70861	-					
Wind													
Wind loads based on member design.	MWFR	S with a	additional (C&C		P. S	TATA OF						
Wind loading based o	on both g	jable ai	nd hip roof	types.		OF	ORIDX NO						
						COA #0 278	ONAL END						
						FlorRth Cerry	Reate of Product Approval #FL	1999					
IMPORT	**WAI ANT	RNING FURNI	** READ SH THIS D	AND FC	LLOW AL G TO ALL	LL NOTES ON THIS DE CONTRACTORS INC	RAWING! LUDING THE INSTALLERS						
Trusses require extrem Component Safety Info bracing per BCSI. Unlo	ne care ormation ess note	in fabri , by TF d other	cating, har PI and SBC rwise, top o	dling, sh A) for sa chord sha	ipping, in: afety pract all have pr	stalling and bracing. R tices prior to performing roperly attached structu	efer to and follow the latest edition these functions. Installers shall p ral sheathing and bottom chord sha	of BCSI (Buildir rovide temporar all have a proper	ig Iv 🔺				
attached rigid ceiling. I as applicable. Apply drawings 160A-Z for s	Location plates to tandard	s show each f	n for perm ace of trus	anent lat s and po efer to io	teral restration as solution as solution as solution as solution as solution as solution as solutions and solutions and solutions are solutions and solutions are solutions and solutions are solutions are solutions are solutio	aint of webs shall have shown above and on th ral Notes page for addit	bracing installed per BCSI sections e Joint Details, unless noted other ional information.	B3, B7, or B10 wise. Refer to					



SEQN: 105984	COMN	Ply: 2	2	Job Nu	nber: B53	3792AB							Cust: R 8	57 JRef:1	XeU857000)2 T42	
RNB Qty: 2 Green Res Roof DrwNo: 110.22.0728.53003 Page 1 of 2 Truss Label: SGT1 SSB / WHK 04/20/2022												22					
			2 Co	omplete	Trusse	s Requir	ed								• • - • - • - • -		
				ompion	114666	, noquin											
					L 2'1"12 L	5'6"9	-l- 10'9'8		<u>15'5"8 15'8"15</u>								
					2'1"12	3'4"13	5'2"15	T	4'7"15 3*8								
			Ţ						F			*14					
									G	12 12	Ţ						
							10.9	2 486									
			- 115-13				/			10'4" 12	ļ						
								H B2 12 10.9			91						
			T		3.33 12 12 12X4	15)	K6(SRS)	∳4X6									
			- 22'10	=3X		\geq					4 11'0	2					
			1 1	Ŧ	∭04 ∎2X4		sx6			Ŧ	→ ⊕•	2					
					├ ── 2' ── -	<u> </u>	*	10'5*4	- ¥								
					<u>21°12</u> 21°12 +	3'3"12 5'5"8	-+	+	4'11"7 3"8 15'5"8 15'8"15								
Loading Criteria (psf)	Wind	Criteria	3		Snow C	riteria (F	Pg,Pf in PSF)	Defl/CSI Cri	teria		▲ Maxi	mum R	eactions	(lbs)			
TCLL: 20.00	Wind Speed	Std: A	SCE 7-16		Pg: NA	Ct: NA	CAT: NA	PP Deflectio	n in loc L/de	flL/#	Loc R	Gravity + / R-	/ /Rh	/Rw	Non-Grav / / U	ity / RL	
BCLL: 0.00	Enclos	sure: Cl	losed		Lu: NA	Cs: N/	A CE. NA	VERT(LL).	0.024 D 99 0.083 D 99	9 240	J 188	32 /-	/-	/67	/505	/381	
BCDL: 10.00	Risk C EXP: (Category	y: II : NA		Snow D	uration: N	IA	HORZ(LL):	0.020 H -	-	I 230)3 /-	/-	/778	/- /222	/-	
Des Ld: 37.00	Mean	Height:	17.84 ft		Building	Code:		Creep Factor: 2.0			Wind reactions based on MWFRS						
Soffit: 2.00	BCDL	: 4.2 psi : 6.0 psi	r f		FBC 7th	Ed. 2020) Res.	Max TC CS	Max TC CSI: 0.998			J Brg Wid = 3.5 Min Req = 1.5 J Brg Wid = 3.5 Min Reg = 1.6					
Load Duration: 1.25	Load Duration: 1.25 MWFRS Parallel Dist: > 2h							Max Web CSI: 0.267 Max Web CSI: 0.467			F Brg Wid = 3.0 Min Req = 1.5						
Loc. from endwall: not in 9.00 ft					FT/RT:20(0)/0(0)				Bearings J & I Foperp = 425psi.								
		Plate Ty	ρe(s):		VIEW Ver: 21.01.03A.0805.15			Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)									
Lumber	1				Pur	ins		1			Chords	Tens.	Comp.	Chords	Tens.	Comp.	
Top chord: 2x4 SP #1 Bot chord: 2x6 SP #1;	; ; B2 2x4	I SP #1	;		In lie to la	eu of strue terally br	ctural panels ace chords as	or rigid ceiling s follows:	use purlins		A - B	452	- 138	C - D	206	- 1403	
Webs: 2x4 SP #3; Rt Bearing Leg: 2x4 SP #3;					Cł	iord S TC	pacing(in oc) 69	Start(ft) End(ft) 0.00 5.55		Maximum Bot Chord Forces Per Ply (lbs)							
Nailnote					TC 82 5.55 15.75 BC 66 0.00 5.46					Unords Lens.Comp.							
Nail Schedule:0.128"x3", min. nails					BC 120 5.46 15.46 Apply purlins to any chords above or below fillers						11-9 1231 -404						
Bot Chord: 1 Row @ 12.00" o.c.					at 24" OC unless shown otherwise above.						Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens Comp.						
Use equal spacing between rows and stagger nails											B1	213	- 963	D - G	310	- 936	
in each row to avoid s	splitting.										Î-C	184	- 868	F-G	402	- 140	
Special Loads	-1 25 /	Diato D	Jur Eag -1 (25)							C-H	1227	- 186	E-F	766	- 800	
TC: From 55 plf a	at 0.	.00 to	55 plf at	2.00			MININ	MH	WILLING STREET								
TC: From 259 plf a	at 2. at 5.	.00 to	255 plf at	5.55 13.04			AN AND AND AND AND AND AND AND AND AND A		TO MAR								
BC: From 59 plf a	at 13. at 0.	.04 to .00 to	59 plf at 20 plf at	15.75 5.46		I		JCENS	e't. C								
BC: From 27 plf : TC: 1504 lb Conc. Lo	at 5. oadat2	.46 to 2.00	27 plf at	15.46		(Internet		709		(anne							
Plating Notes						APT Mag		10. 1000	\X /		-						
(++) - This plate works	s for bot	th joints	s covered.				×ŧ		V								
Plates sized for a min	imum of	f 3.50 s	q.in./piece.					STATE C	Ner &	line in the second s							
It is the responsibility Truss Fabricator to re	of the B	uilding s drawi	Designer ar ng prior to	nd			20	2000	A. A. Sta								
cutting lumber to verified dimensions and loads	y that al	ll data,ii m to th	ncluding e architectu	ral			23	No.	NGLANN								
plans/specifications a	nd fabri	cators t	russ layout.				COA #0 27	SUNAL SUNAL	and the second second								
							FlorRta 2007	theate of Pr	oduct Approv	al #FL	1999						
**!MDODT	**WA		** READ A					RAWING!		e							
Trusses require extrem	ne care	in fabrie	cating, hand	dling, sh	ipping, in	stalling ar	nd bracing. I	Refer to and for	blow the latest	t edition	of BCSI	(Buildin	ģ				
bracing per BCSI. Unle attached rigid ceiling. I	ess note	ed other	rwise, top ch	nord sha	ill have pr	operly at aint of we	tached struct	iral sheathing	and bottom cl	hord sha	all have a B3, B7	or B10	ĺy				
as applicable. Apply drawings 160A-Z for s	plates to tandard	plate p	face of truss ositions. Re	and po	sition as s b's Gene	shown ab ral Notes	ove and on the page for add	ne Joint Detail	s, unless note tion.	ed other	wise. R	efer to		Ń		νĘ	


SEQN: 105984 COMN	Ply: 2	Job Number: B53792AB	Cust: R 857 JRef: 1XeU8570002 T42
FROM: RNB	Qty: 2	Green Res Roof	DrwNo: 110.22.0728.53003
Page 2 of 2		Truss Label: SGT1	SSB / WHK 04/20/2022
Wind	•		
Wind loads based on MWFRS	3.		

Right end vertical exposed to wind pressure. Deflection meets L/180.

Left cantilever is not exposed to wind

Wind loading based on both gable and hip roof types.



Flored Certificate of Product Approval #FL 1999

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 Satety 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.

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SEQN: 105911 FROM: RNB	MONO	Ply: 1 Qty: 4	Job Nu Green F	mber: B53792AB Res Roof			Cust: R 857 JRef: 1 DrwNo: 110.22.07	1XeU8570002 T11 '29.00837
			Truss L	abel: T-3			SSB / WHK	04/20/2022
				604 604 733 604 713 709 709 709 709 709 709 709 709 709 709		714		
			+ - 			12		
				13/18 -				
				e-16"-ele 62'8 ele 62'8	67'8 12'10' 378			
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00	Wind Speed	Criteria Std: ASCE 7-16 I: 140 mph	i	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	Befl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): -0.058 C 999 360	▲ Maximum Grav Loc R+ /	Reactions (Ibs) /ity R- / Rh / Ri	Non-Gravity w /U /RL
BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Risk C EXP: (Mean TCDL: BCDL MWFF	Category: II C Kzt: NA Height: 16.55 ft : 4.2 psf : 6.0 psf RS Parallel Dist: h	1/2 to h	LU: NA CS: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014	VER ((CL): -0.082 C 999 240 HORZ(LL): -0.107 C - - -HORZ(TL): 0.128 C - - Creep Factor: 2.0 - - Max TC CSI: 0.632 - - Max BC CSI: 0.484 - -	J 624 /- G 524 /- Wind reactio J Brg Wid G Brg Wid Bearings J & Members not	/- /36 /- /52 ns based on MWFR = 5.5 Min Req = = 3.5 Min Req = . G Fcperp = 425psi. t listed bave forces l	5 /- /538 6 /376 /- S 1.5 1.5 1.5
Spacing: 24.0 "	C&C E Loc. fr	Dist a: 3.00 ft rom endwall: not i	n 9.00 ft	Rep Fac: Yes FT/RT:20(0)/0(0)	Max Web CSI: 0.577	Maximum Te Chords Ten	op Chord Forces P is.Comp. Chords	er Ply (lbs) Tens, Comp.
	Wind I	GCpi: 0.18 Duration: 1.60		Plate Type(s): WAVE	VIEW Ver: 21.01.03A.0805.15	B-C 42	23 - 807 C - D	0 - 529
				Wind		Maximum W	/eb Forces Per Ply	(lbs)
Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1 Webs: 2x4 SP #3; W3 Lt Slider: 2x8 SP #2; Rt Bearing Leg: 2x4 S	i; ; 3 2x4 Sl block lei SP #3;	P #1; ngth = 1.500'		Wind loads based on MWF member design. Right end vertical not expo Wind loading based on bot	sed to wind pressure.	Webs Ten D-H 44 G-H 37	s.Comp. Webs 37 - 446 F - G 76 - 294	Tens. Comp. 1201 - 1027
Bracing (a) Continuous lateral member. Or 1x4 #3SI reinforcement. 80% le with 8d Box or Gun (0	l restrair RB SPF ength of).113"x2	nt equally spaced -S or better "T" web member. At 2.5",min.)nails @	on tached 6" oc.					
Plating Notes		f 3.50 sq in /niece	2					
Purlins In lieu of structural pa to laterally brace chor Chord Spacing(i TC 75 BC 120 Apply purlins to any c at 24" OC unless sho	inels or ds as fo n oc) hords al wn othe	rigid ceiling use p llows: Start(ft) End(-1.60 13.13 0.00 12.83 bove or below fille rwise above.	ourlins ft) 3 ars	A HILL	M H. KO ICENSET C	_		
Loading Truss passed check f chord live load in area clearance.	or 20 ps as with 4	sf additional botto 12"-high x 24"-wic	m le					
Live loads applied in a 2.4.1 use 0.75 factor	combina for multi	ation per ASCE 7 ple live loads.	sec.	COA #027	VORAL ENGINATION			
				Floretteer	4942 ate of Product Approval #FL	1999		
IMPORT	**WA ANT	RNING** READ		ALLOW ALL NOTES ON THIS D	RAWING!			
Trusses require extren	ne care ormation	in fabricating, ha	ndling, sh CA) for sa	hipping, installing and bracing. Fatety practices prior to performing	Refer to and follow the latest edition these functions. Installers shall p	of BCSI (Build rovide tempora	ling ary Jerly	•

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.

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FROM: RNB	COMN	Ply: 1 Qty: 8	Job Nur Green R	mber: B53792AB tes Roof			Cust: R 857 JRe DrwNo: 110.22.0	h:1XeU8570002 T30 0729.03523		
			Truss La	abel: T-4			SSB / WHK	04/20/2022		
		916		4'1' 62' 4'1' 4'1' 10.9 12 82(4 0.9 12 82(4) 10.9 12 82(4)		209°14				
			┣	4'1"	9'9" 13'10" 1'6"					
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind C Wind S Speed: Enclos Risk C EXP: C Mean H TCDL: BCDL: BCDL: MWFR C&C D Loc. fro	Criteria Std: ASCE 7-16 : 140 mph ure: Closed ategory: II > Kzt: NA Height: 26.73 ft 4.2 psf 6.0 psf IS Parallel Dist: h/ ist a: 3.00 ft om endwall: not in GCDi: 0.18	2 to h 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)/0(0) Plate Type(s):	Defi/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.011 B 999 360 VERT(CL): 0.020 B 999 240 HORZ(LL): -0.017 D - HORZ(TL): 0.022 D - Creep Factor: 2.0 Max TC CSI: 0.479 Max BC CSI: 0.680 Max Web CSI: 0.793	▲ Maximum R Gravity Loc R+ / R- H 540 /- F 668 /- Wind reactions H Brg Wid = F Brg Wid = Bearings H & F Members not li Maximum Top Chords Tens.	eactions (Ibs) / . / Rh / I /- /3 based on MWF 3.5 Min Req = 5.5 Min Req = Foperp = 425ps befores comp. Chord	Non-Gravity २w / U / RL 51 /127 /532 65 /128 /- RS = 1.5 = 1.5 si. less than 375# Per Ply (lbs) ds Tens. Comp.		
	Wind D	Ouration: 1.60		WAVE, HS	VIEW Ver: 21.01.03A.0805.15	A-B 262 B-C 581	-552 C-D	627 - 395		
Lumber Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; Bracing (a) Continuous lateral 1 member. Or 2x4 #3 or length of web member	restrain better " . Attach	t equally spaced o 'T" reinforcement. ed with 10d Box o	on 80% or Gun	Wind Wind loads based on MWFRS with additional C&C Maximum Bot Chor Wind loads based on MWFRS with additional C&C Maximum Bot Chor End verticals exposed to wind pressure. Deflection H - G 415 -52 Wind loading based on both gable and hip roof types. Maximum Web For Webs Tens.Comp				hord Forces Per Ply (lbs) mp - 523 Forces Per Ply (lbs) mp. Webs Tens. Comp.		
(0.128"x3",min.)nails @ Plating Notes	⊉ 6" oc.	3.50 sq in /piece				A - H 284 A - G 409 B - G 483	-582 G-C -170 C-F -287 D-F	483 - 406 384 - 500 634 - 477		
		o.oo aq.iii./piece.								
In lieu of structural pan to laterally brace chord Chord Spacing(in TC 75 BC 75 Apply purlins to any ch at 24" OC unless show Loading Truss passed check fo chord live load in areas clearance. Live loads applied in cr 2.4.1 use 0.75 factor fo	els or r ls as fol oc) ords ab n other r 20 psi s with 4 ombina or multip	igid ceiling use pu lows: Start(ft) End(ft 0.00 8.17 8.17 15.43 0.00 13.83 bove or below filler wise above. f additional botton 2"-high x 24"-wide tion per ASCE 7 sole live loads.	rrlins) rs na sec.	COA #0278	M H CENS 0. 70861 TATH OL ORID ONAL ENGINE ONAL ENGINE					
	WAF	RNING READ	AND FO	LLOW ALL NOTES ON THIS DF	RAWING!					
IMPORTA Trusses require extrem Component Safety Info bracing per BCSI. Unlet as applicable. Apply p drawings 160A-Z for st Alpine, a division of ITV truss in conformance w listing this drawing, indi	NT F rmation ss note ocation lates to andard V Buildi ith ANS cates a	FURNISH THIS D in fabricating, han , by TPI and SBC d otherwise, top of s shown for perm each face of trus plate positions. R ing Components (SI/TPI 1, or for ha cceptance of prof a response billing of	RAWING dling, shi A) for sa hord sha anent late s and po efer to jo Group Inc andling, s essional the Build	G TO ALL CONTRACTORS INCI ipping, installing and bracing. R fety practices prior to performing all have properly attached structur eral restraint of webs shall have I sition as shown above and on the b's General Notes page for addit c, shall not be responsible for any shipping, installation and bracing engineering responsibility solely	LUDING THE INSTALLERS efer to and follow the latest edition these functions. Installers shall p ral sheathing and bottom chord sha bracing installed per BCSI sections e Joint Details, unless noted other ional information. y deviation from this drawing, any fi g of trusses. A seal on this drawin for the design shown. The suitabili	of BCSI (Buildin rovide temporan all have a proper B3, B7, or B10, wise. Refer to ailure to build the g or cover page y and use of this	ig iy e 155 H s 155 H	Harlem Ave Building. 4th Floor		

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

Glenview, IL 60025

SEQN: 106002	COMN	Ply: 1	Job Nu	mber: B53792AB			Cust: R 857 JRef: 1XeU8570002	T39
FROM: RNB		Qty: 3	Green R Truss I	Res Roof abel: T-5			DrwNo: 110.22.0729.05960 SSB / WHK 04/20/2022	,
			11000					
			<u> -</u>	4'1" 8'2" - 4'1" 4'1" 8'4'	138°4 162'8 56°4 2'6'4			
				10.9 12 B		- 2312		
		L L		H =H0308		<u>↓</u> ↓ ↓ 20'9"14		
					=3710			
			k		• X			
			 	4'1	13'8"4 - 20 4 - 16'2"8			
Loading Criteria (psf)	Wind	Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum R	eactions (lbs), or *=PLF	
TCDL: 20.00	Speed	: 140 mph		Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	VERT(LL): 0.009 B 999 360	Loc R+ /R-	/ Rh / Rw / U /	RL
BCLL: 0.00	Enclos Risk C	sure: Closed ategory: II		Lu: NA Cs: NA	VERT(CL): 0.018 B 999 240	I 538 /-	/- /275 /58 /3	384
Des Ld: 37.00	EXP: 0	C Kzt: NA			HORZ(TL): 0.009 B	Wind reactions	based on MWFRS	-
NCBCLL: 10.00	TCDL:	Height: 26.73 π 4.2 psf		Building Code:	Creep Factor: 2.0	I Brg Wid = F Brg Wid =	3.5 Min Req = 1.5 33.5 Min Req = -	
Soffit: 2.00 Load Duration: 1.25	BCDL:	: 6.0 psf S Parallel Dist: h	to 2h	TPI Std: 2014	Max BC CSI: 0.503	Bearings I & G	Fcperp = 425psi.	
Spacing: 24.0 "	C&C [Dist a: 3.00 ft	0.00.4	Rep Fac: Yes	Max Web CSI: 0.738	Maximum Top	Chord Forces Per Ply (lbs)) #
	LOC. TO	GCpi: 0.18	19.00 π	Plate Type(s):		Chords Tens.	Comp. Chords Tens. Co	omp.
	Wind [Duration: 1.60		WAVE, HS	VIEW Ver: 21.01.03A.0805.15	A-B 176	-513 B-C 495	- 538
Top chord: 2x4 SP #1	;			Wind loads based on MWF	RS with additional C&C	Maximum Wel	b Forces Per Ply (lbs)	
Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;				member design. End verticals exposed to wi meets I /180	ind pressure. Deflection	A - I 180 B - H 435	-542 H - C 438	- 378 - 333
Bracing	restrain	t equally spaced	n	Wind loading based on both	h gable and hip roof types.	5 11 100		000
(a) Continued in the second se	r better ' r. Attach @ 6" oc	"T" reinforcement ned with 10d Box	80% or Gun					
Plating Notes								
All plates are 2X4 exc	ept as r	noted.						
Plates sized for a min	imum of	f 3.50 sq.in./piece	-					
Purlins In lieu of structural pa	nels or i	riaid ceilina use pi	urlins	NEW POINT	A LA MANA			
to laterally brace chor Chord Spacing(in	ds as fo	llows: Start(ft) End(f	t)	A LA	TO MA			
TC 75	,	0.00 8.17	-)		CENSEL			
BC 75	horde at	0.00 16.21	re	13/3				
at 24" OC unless show	wn othe	rwise above.	15		0. (0801	-		
Loading				*				
Truss passed check for chord live load in area clearance.	or 20 ps is with 4	f additional bottor 2"-high x 24"-wid	n e	BR S	TATA OF			
Live loads applied in a	combina	tion per ASCE 7	sec.	A.C.	ORIVER			
2.7.1 030 0.70 100001	5. muid	pio into iudua.		COA #0278	ONAL EN MILLION			
				Elor:04/20/20	22ate of Product Approval #EL	1000		
	WA	RNING READ	AND FO	LLOW ALL NOTES ON THIS DI	RAWING!	1777		
Trusses require extrem	AN I ** ne care	FURNISH THIS E	dling, sh	JO ALL CONTRACTORS INC ipping, installing and bracing. R Pathone States and Bracing.	LODING THE INSTALLERS	of BCSI (Buildin	ig	
bracing per BCSI. Unle	ess note	ed otherwise, top o	chord sha	all have properly attached structu	ral sheathing and bottom chord sha bracing installed per BCSI sections	all have a proper	íy 👝	

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



SEQN: 106005 FROM: RNB	COMN Ply: 1 Qty: 7	Job Nur Green R	nber: B53792AB es Roof			Cust: R 857 JRef DrwNo: 110.22.0	1XeU8570002 T3 1729.09227
Page 1 of 2		Truss La	abel: T-6			SSB / WHK	04/20/2022
	Ť	þ	3'10' + 7'11' + 3'10' + 4'1' +				
			10.9 12 112 10.9		₹ 2019'14		
		▲ ⊢	<u>3'10" - </u>	2 [°] 5"8 - 2 [°] 8"			
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	y - /Rh /F	Non-Gravity Rw / U / RL
ICDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 26.79 ft		PT: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code:	VERT(CL): 0.268 D 714 360 VERT(CL): 0.529 D 362 240 HORZ(LL): 0.323 E - HORZ(TL): 0.638 E - Creep Factor: 2.0	I 630 /- F 634 /- Wind reactions I Brg Wid =	/- /3 /- /3 based on MWFI - Min Req =	62 /99 /386 60 /99 /- RS
Soffit: 2.00	BCDL: 6.0 psf	to 2h	FBC 7th Ed. 2020 Res. TPI Std: 2014	Max TC CSI: 0.887 Max BC CSI: 0.715	F Brg Wid = Bearing F Fcpe	3.5 erp = 425psi.	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	0 00 4	Rep Fac: Yes	Max Web CSI: 0.949	Members not li Maximum Top	isted have forces • Chord Forces	less than 375# Per Ply (lbs)
	GCpi: 0.18	9.00 π	Plate Type(s):		Chords Tens.	Comp. Chord	Is Tens. Comp.
Lumber	Wind Duration: 1.60		WAVE, HS Wind	VIEW Ver: 21.01.03A.0805.15	B-C 514	-598 D-E	212 - 506
Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;	;		Wind loads based on MWF member design. End verticals exposed to wi	RS with additional C&C	Maximum Wel Webs Tens.	b Forces Per Ply Comp. Webs	/ (Ibs) Tens. Comp.
Bracing (a) Continuous lateral member. Or 2x4 #3 or length of web member (0.128"x3",min.)nails of	restraint equally spaced r better "T" reinforcement r. Attached with 10d Box @ 6" oc.	on 80% or Gun	meets L/180. Wind loading based on bot	h gable and hip roof types.	A-I 268 A-H 474	-688 H-C -154 E-F	423 - 295 161 - 495
Plating Notes Plates sized for a mini	imum of 3.50 sq.in./piece						
Purlins In lieu of structural part to laterally brace chorr Chord Spacing(ir TC 75	nels or rigid ceiling use pr ds as follows: n oc) Start(ft) End(f 0.00 7.92	urlins :)	Market LA	M H. Kolling			
TC 75 BC 75 Apply purlins to any cl at 24" OC unless show	7.92 15.96 0.00 15.96 hords above or below fille wn otherwise above.	rs	Silver N	0.70861			
Loading Truss passed check for chord live load in area	or 20 psf additional bottor is with 42"-high x 24"-wid	n Ə	*	TATE OF	-		
Live loads applied in c 2.4.1 use 0.75 factor f	combination per ASCE 7 for multiple live loads.	Sec.	A DE	ORIDA			
			COA #0 278	ONAL EN UNITED			
				Reate of Product Approval #FL	1999		
**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	WARKING READ WARKING READ WARKING WARKING READ WARKING RE	AND FOI RAWING dling, shi A) for sat shord sha anent late s and pos efer to jol Group Inc	b TO ALL CONTRACTORS INC pping, installing and bracing. R fety practices prior to performing II have properly attached structu eral restraint of webs shall have sition as shown above and on th o's General Notes page for addit , shall not be responsible for any	LUDING THE INSTALLERS Lefer to and follow the latest edition these functions. Installers shall p iral sheathing and bottom chord sh bracing installed per BCSI sections e Joint Details, unless noted other tional information. y deviation from this drawing, any f	of BCSI (Buildin rovide temporan all have a proper B3, B7, or B10, wise. Refer to ailure to build the		
listing this drawing, ind drawing for any structu	increases acceptance of prot ire is the responsibility of	essional the Buildi	ng Designer per ANSI/TPI 1 Sec	g of fusses. A seal on this drawin for the design shown. The suitabili c.2.	ty and use of this	s 155 H North	larlem Ave Building, 4th Floor iew II 60025
-or more information s	ee these web sites: Alpin	e: alpinei	tw.com; TPI: tpinst.org; SBCA: s	socacomponents.com; ICC: iccsafe	org; AWC: awc.	.org Gienv	10W, IL 00020

	0.00			
SEQN: 106005	COMN	Ply: 1	JOD NUMBER: B53/92AB	Cust: R 857 JRef: 1XeU8570002 T3
FROM: RNB		Qty: 7	Green Res Roof	DrwNo: 110.22.0729.09227
Page 2 of 2			Iruss Ladel: 1-6	55B / WHK 04/20/2022
Hangers / Ties				
Simpson Constructio the most current info Strong-Tie. Please re Strong-Tie catalog fo	on Hardwormation p efer to the or addition	are is specified ba provided by Simps e most recent Sim nal information.	ased on son apson	
Recommended hang	ger conne	ctions are based	on	
manufacturer tested Conditions may exist than indicated. Refer	capacitie t that requ r to manu	s and calculations uire different conn facturer publication	s. Jections Jn for	
additional information	n.			
Bearing at location x	′≡0′ u)'	ises the following		
Bearing I (0', 20'9"1 Supporting Member (14) 0.148"x3" nail	/ 4) HUS2 er: (2)2x8 ls into su	6 3 SP SS Dense Ipporting		
(4) 0 148"x3" nails	s into sur	ported		
member.	s into sup	poneu		
			AM THE FAMILY	
			State OFNO: VOIL	
			Martine Chornoll Content	
			👔 👔 No. 70861 🗸 🖞 📜 🚬	
			STATA OF A	
			SALLIS!	
			ORID	
			S.C. CNG	
			COA #0278 UNAL	
	**\^/ ^ /		Florktt CEANAGE of Product Approval #FL 1999	
IMPORT	**WA ANT	KNING** READ FURNISH THIS D	AND FOLLOW ALL NOTES ON THIS DRAWING! RAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS	
Trusses require extre	me care	in fabricating, han	dling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Buildin	ig
bracing per BCSI. Un	less note	d otherwise, top c	chord shall have properly attached structural sheathing and bottom chord shall have a properly	íy
as applicable. Apply	plates to	each face of trus	amenic lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, is and position as shown above and on the Joint Details, unless noted otherwise. Refer to	
arawings 160A-2 for s	standard TW Ruild	plate positions. R	eter to job's General Notes page for additional information. Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the	
truss in conformance	with ANS	SI/TPI 1, or for ha	andling, shipping, installation and bracing of trusses. A seal on this drawing or cover page	AN 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 106018	COMN	Ply: 1	Job Nu	mber: B53792AB			Cust: R 857	JRef:1Xe	U85700	02 T31
FROM: RNB		Qty: 2	Green F	Res Roof			DrwNo: 1	10.22.0729	.11817	~~
			Truss L	adel: 1-7			SSB / W	/HK U	4/20/20	22
			ŀ—	4'1" 82" 4'1" 4'1" 8'	138'4 162'8 162'8 56'4 2'6'4 0'					
				10.9 12 1124 HB4 HC008 162'8- 41' 92		₹ ₩ 209'14				
				I	16:2"8					
Loading Criteria (psf)	Wind 9	Criteria Std: ASCF 7-16		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Grav	Reactions ((Ibs) No	on-Grav	vity
TCDL: 7.00	Speed	l: 140 mph		Pf: NA Ce: NA	VERT(LL): 0.273 D 713 360	Loc R+ /	R- / Rh	/Rw	/U	/ RL
BCLL: 0.00	Enclos Bick C	sure: Closed		Lu: NA Cs: NA	VERT(CL): 0.539 D 361 240	I 640 /-	/-	/362	/101	/384
BCDL: 10.00	EXP: 0	C Kzt: NA		Snow Duration: NA	HORZ(LL): 0.327 E	F 643 /- Wind reactio	/- ns based on	/364 MWFRS	/101	/-
NCBCLL: 10.00	Mean	Height: 26.73 ft		Building Code:	Creep Factor: 2.0	I Brg Wid	= - Min	Req = -		
Soffit: 2.00	BCDL	: 4.2 psi : 6.0 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.902	F Brg Wid	= 3.5	ci		
Load Duration: 1.25	MWFF	RS Parallel Dist: h	to 2h	TPI Std: 2014	Max BC CSI: 0.717	Members no	t listed have	forces less	s than 3	375#
Spacing: 24.0 "	C&C E	Dist a: 3.00 ft	0 00 #	Rep Fac: Yes	Max Web CSI: 0.964	Maximum T	op Chord F	orces Per	Ply (lbs	s)
	LOC. II	GCpi: 0.18	9.00 11	Plate Type(s):		Chords Ten	s.Comp.	Chords	Tens.	Comp.
	Wind I	Duration: 1.60		WAVE, HS	VIEW Ver: 21.01.03A.0805.15	A-B 2	54 - 651	C-D	479	- 362
Lumber				Wind		-B-C 5	22 - 628	D-E	215	- 514
Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1	;			Wind loads based on MWF	FRS with additional C&C	Maximum W	leb Forces	Per Ply (lb	s)	
Webs: 2x4 SP #3;				End verticals exposed to w	ind pressure. Deflection	Webs Ten	s.Comp.	Webs	Tens.	Comp.
Bracing				meets L/180.		A-I 20	67 - 686	H-C	439	- 305
(a) Continuous lateral	restrair	nt equally spaced (on	Wind loading based on bot	th gable and hip roof types.	A-H 4	81 - 145	E - F	164	- 503
member. Or 2x4 #3 or	better	"T" reinforcement.	80%							
(0.128"x3",min.)nails	@ 6" oc		Gun							
Plating Notes										
Plates sized for a min	imum of	f 3.50 sa.in./piece								
Durline										
In lieu of structural pa	nole or i	rigid ceiling use p	urline		A 94 225 467 13 2 94 1 2 8 14 1					
to laterally brace chor	ds as fo	llows:		A REAL PROPERTY	M H. Law					
Chord Spacing(ir TC 75	n oc)	Start(ft) End(ft 0.00 8.17	:)	A REAL PROPERTY OF	TO MAR					
TC 75		8.17 16.21			JCENSA'L CA					
Apply purlins to any cl	hords al	bove or below fille	rs	S/_`						
at 24" OC unless show	wn othe	rwise above.			No. 70861 🗸 🖌 💈	_				
Hangers / Ties				. I . I . I . I . I . I . I . I . I . I						
(J) Hanger Support Re	equired,	, by others								
Loading					MATA UN					
Truss passed check for	or 20 ps	f additional bottor	n		Vobort of the					
chord live load in area	is with 4	l2"-high x 24"-wide	9	10	GIR IN					
Live loads applied in a	combine	ation per ASCF 7	sec	COA HEAT	VONAL EN MIL					
2.4.1 use 0.75 factor f	or multi	ple live loads.		CUA #0 [*] 2/2	CANER BERTS BETS BELLEVILLE					
				FlorRa Cert	Heate of Product Approval #FL	1999				
IMDODT	**WA	RNING READ		LLOW ALL NOTES ON THIS D						
Trusses require extrem	ne care	in fabricating, har	dling, sh	ipping, installing and bracing. F	Refer to and follow the latest edition	of BCSI (Build	ling			
bracing per BCSI. Unle	ess note	d otherwise, top of	hord sha	all have properly attached struct	ral sheathing and bottom chord sh	all have a prop	erly			

bracing per BCSI.' Unless noted otherwise, top chórd shall flave properly attached structúral 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. 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 for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.



SEQN: 106020	COMN	Ply: 1	Job Nu	mber: B53792AB			Cust: R 857 JRef: 1XeU857000	2 T37 [·]
FROM: RNB		Qty: 4	Green F	tes Roof			DrwNo: 110.22.0729.14110	2
			TTUSS L	abel. 1-0			33B / WHK 04/20/202	2
			 -	<u>3'11*12 9'6*</u> 3'11*12 5 '6*4				
			A B H4X10(G3)	10.9 12 H2X4 10.9 B H H H H H H H H H H H H H H H H H H H				
			┝	4'1'8 9' 4'1'8 13	'5*8 <u>4</u> '1* 3'7" 17'8"			
Loading Criteria (psf)	Wind	Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum R	eactions (lbs)	
TCLL: 20.00	Wind Speed	Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	y Non-Gravit · ∕Rh ∕Rw /U	ty / RL
BCLL: 0.00	Enclos	sure: Closed		Lu: NA Cs: NA	VERT(CL): 0.063 B 999 240	A 697 /-	/- /370 /102	/314
BCDL: 10.00	Risk C EXP: (ategory: II		Snow Duration: NA	HORZ(LL): -0.018 A	F 697 /-	/- /387 /109	/-
Des Ld: 37.00	Mean	Height: 26.12 ft		Building Code:	HORZ(TL): 0.036 A	A Brg Wid =	3.5 Min Req = 1.5	
Soffit: 2.00	BCDL:	: 4.2 pst : 6.0 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.972	F Brg Wid =	- ern – 425nsi	
Load Duration: 1.25	MWFF	RS Parallel Dist: h	to 2h	TPI Std: 2014 Rep Fac: Yes	Max BC CSI: 0.543 Max Web CSI: 0.759	Members not li	sted have forces less than 37	75#
Spacing. 24.0	Loc. fr	om endwall: not ir GCpi: 0.18	9.00 ft	FT/RT:20(0)/0(0) Plate Type(s):		Maximum Top Chords Tens.	Chord Forces Per Ply (lbs) Comp. Chords Tens. C) Comp
	Wind I	Duration: 1.60		WAVE, HS	VIEW Ver: 21.01.03A.0805.15	A-B 288	-865 C-D 499	- 684 - 686
Lumber				Wind		B-0 5/5	-040 D-L 243	-000
Bot chord: 2x4 SP #1;	,			member design.	KS with additional C&C	Maximum Bot	Chord Forces Per Ply (lbs))
Lt Stub Wedge: 2x8 S	P #2;			Right end vertical not expos	sed to wind pressure.	A - H 574	-211	
Plating Notes				wind loading based on both	n gable and hip roof types.			
Plates sized for a mini	imum of	f 3.50 sq.in./piece				Maximum We Webs Tens.	b Forces Per Ply (lbs) Comp. Webs Tens. (Comp.
Purlins						B-H 406	-272 G-E 510	- 103
In lieu of structural part to laterally brace chore	nels or i ds as fo	rigid ceiling use pu Ilows:	urlins			H-C 475 C-G 394	- 341 E - F 255	- 718
Chord Spacing(ir	n oc)	Start(ft) End(ft	:)			0 0 001	201	
TC 75		9.50 17.67						
Apply purlins to any cl	nords al	bove or below fille	rs	a stratter	NA H			
	wii otne	I WIGE DUUVE.		and the	TO MA			
(J) Hangers / Hes	equired.	by others		and the second	VCE/VSE C			
	- 1				70061			
Truss passed check for chord live load in area clearance.	or 20 ps is with 4	f additional bottor 2"-high x 24"-wide	n Ə	*		_		
Live loads applied in c 2.4.1 use 0.75 factor f	combina or multi	ation per ASCE 7 s ple live loads.	Sec.	PROFES	TATA OF CAR			
				COA #0 278	Man Elimination			
				FlorRta Elert	Reate of Product Approval #FL	1999		
IMPORTA	**WA	RNING READ FURNISH THIS D	AND FO	LLOW ALL NOTES ON THIS DE G TO ALL CONTRACTORS INC	RAWING! LUDING THE INSTALLERS			
Trusses require extrem Component Safety Info bracing per BCSI. Unle	ne care ormatior	in fabricating, har n, by TPI and SBC d otherwise, top o	dling, sh A) for sa hord sha	ipping, installing and bracing. R fety practices prior to performing all have properly attached structu	efer to and follow the latest edition these functions. Installers shall p ral sheathing and bottom chord sha	of BCSI (Buildin rovide temporar all have a proper	ig Ty	

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. 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 for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.



SEQN: 106023	COMN	Ply: 1	Job Nu	mber: B53792AB			Cust: R 857 JRef: 1XeU8570002 T35
FROM: RNB		Qty: 5	Green F	Res Roof			DrwNo: 110.22.0729.16450
			Truss L	abel: T-9			SSB / WHK 04/20/2022
				10.9 ¹² 10.9		⊕ ^{209'14}	
				<mark>k 11'8 142</mark> ⊨ 41'8 + -	2°		
Loading Criteria (psf)	Wind	Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum R	eactions (lbs)
TCLL: 20.00	Wind Speed	Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Loc R+ / R-	/ Non-Gravity · /Rh /Rw /U /RL
BCLL: 0.00	Enclos	sure: Closed		Lu: NA Cs: NA	VERT(CL): 0.050 B 999 240	A 559 /-	/- /325 /114 /439
BCDL: 10.00	EXP: 0	ategory: II C Kzt: NA		Snow Duration: NA	HORZ(LL): -0.014 A	E 591 /- Wind reactions	/- /391 /114 /-
NCBCLL: 10.00	Mean	Height: 26.12 ft		Building Code:	Creep Factor: 2.0	A Brg Wid =	3.5 Min Req = 1.5
Soffit: 2.00	BCDL	: 6.0 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.665	E Brg Wid = Bearings A & E	3.5 Min Req = 1.5 Fcperp = 425psi.
Load Duration: 1.25 Spacing: 24.0 "	MWFF	RS Parallel Dist: h/ Dist a: 3 00 ft	/2 to h	Rep Fac: Yes	Max Web CSI: 0.608	Members not li	sted have forces less than 375#
opaoling. 2 1.0	Loc. fr	om endwall: not ir	n 9.00 ft	FT/RT:20(0)/0(0)		Chords Tens.	Chord Forces Per Ply (lbs) Comp. Chords Tens. Comp.
	Wind I	GCpi: 0.18 Duration: 1.60		Plate Type(s):	VIEW Ver: 21 01 03A 0805 15	A - B 296	-678 B-C 598 -666
Lumber	1			Wind			
Top chord: 2x4 SP #1	;			Wind loads based on MWF	RS with additional C&C	Maximum Bot Chords Tens.	Chord Forces Per Ply (lbs) Comp.
Webs: 2x4 SP #3;				Right end vertical exposed	to wind pressure.	A - G 492	- 484
Lt Stub Wedge: 2x8 S	SP #2;			Deflection meets L/180.			
Bracing				Wind loading based on bot	h gable and hip roof types.	Maximum Wel Webs Tens.	b Forces Per Ply (lbs) Comp. Webs Tens. Comp.
member. Or 1x4 #3SF	RB SPF	-S or better "T"	on 			B-G 453	-287 F-D 810 -132
with 8d Box or Gun (0	ength of 0.113"x2	web member. Atta 5",min.)nails @ 6	ached 5" oc.			G - C 497	- 415 D - E 206 - 994
Plating Notes		·					
Plates sized for a min	imum of	f 3.50 sq.in./piece					
Purlins					MANARASSATTAL SUPERIOR CONTRACTOR		
In lieu of structural pa	nels or i	rigid ceiling use pu	urlins	Statement .	M.H. Kang		
Chord Spacing(ir	n oc)	Start(ft) End(ft	t)	and the second se	CENS		
TC 75		0.00 9.50 9.50 14.17		2/2/			
BC 120 Apply purlins to any cl	hords al	0.00 14.17 oove or below fille	rs		No. 70861	_	
at 24" OC unless show	wn othe	rwise above.					
Loading							
Truss passed check for chord live load in area	or 20 ps as with 4	f additional bottor 2"-high x 24"-wide	n e		ALASI		
clearance.		-		O.	KORIDE S		
2.4.1 use 0.75 factor f	combination for multi	mon per ASCE 7 : ple live loads.	sec.	S.S.	STOALAL ENGLAND		
				COA #0 27	States and the states		
				FlorRa 204	2022 the of Product Approval #F	L 1999	
	WA	RNING READ	AND FC	LLOW ALL NOTES ON THIS D	RAWING!		
IMPORTA	ANT ne care	FURNISH THIS D	RAWIN	G TO ALL CONTRACTORS INC ipping, installing and bracing. F	LUDING THE INSTALLERS Refer to and follow the latest edition	n of BCSI (Buildin	g

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. Alpine, a division of ITW Building Components Group Inc. shall not be responsibile for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 105992	COMN	Ply: 1	Job Nu	mber: B53792AB			Cust: R 857	JRef: 1XeU85700)02 T13 [`]
FROM: RNB		Qty: 14	Green R Truss I	tes Roof abel: T-10			DrwNo: 110. SSB / WH	.22.0724.25200 K 04/20/20	122
		<u> </u>	11035 -						122
				- <u>3'1"8</u> - <u>7'5"</u> 2'4*0 - <u>4'3*8</u>	<u>14'10"1</u> 7'5"1				
				' 3178 · +30	/ 9 1				
		Ŧ		тъ Д	ν.	Ŧ			
					\mathcal{N}				
				** 4X6					
						10*3 —			
						10,			
				B	E				
		<u> </u>	//						
			A//=2X	₩2×4 =-7×7 4(A1)	≡2X4(A1)	5			
			\sim		Ň	✓ <u>т</u>			
			1	14'10"	·				
			 - 1′6" - -	<u>+ 2'11"12</u> + 4'3"8 2'11"12 + 7'3"4 +-	7'6"13 1'5"15 1 14'10"1	4			
Loading Criteria (psf)	Wind	Critoria		Snow Criteria (Pa Pf in PSF)	Defl/CSI Criteria	A Maximum	Reactions (lb	e)	
TCLL: 20.00	Wind §	Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Grav	vity	Non-Grav	vity
TCDL: 7.00	Speed	i: 140 mph		Pf: NA Ce: NA	VERT(LL): -0.021 E 999 360	Loc R+ /	<u>R- / Rh</u>	/Rw /U	/ RL
BCLL: 0.00 BCDL: 10.00	Risk C	ategory: II		Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.023 E 999 240 HORZ(LL): 0.028 E	B 719 /-	· /- - /-	/451 /288 /447 /285	/505 /-
Des Ld: 37.00	EXP: C	C Kzt: NA			-HORZ(TL): 0.032 E	Wind reaction	ns based on M	WFRS	,
NCBCLL: 10.00	TCDL:	: 4.2 psf		Building Code:	Creep Factor: 2.0	B Brg Wid	i = 5.5 Min Re i = 5.5 Min Re	eq = 1.5 eq = 1.5	
Soffit: 2.00	BCDL:	: 6.0 psf PS Parallel Dist: 0	to h/2	TPI Std: 2014	Max IC CSI: 0.854 Max BC CSI: 0.989	Bearings B 8	LE Fcperp = 42	25psi.	
Spacing: 24.0 "	C&C E	Dist a: 3.00 ft	10 1/2	Rep Fac: Yes	Max Web CSI: 0.225	Members no Maximum T	t listed have for on Chord Forc	ces less than a ces Per Ply (lb	375# (s)
	Loc. fr	om endwall: Any		FT/RT:20(0)/0(0)		Chords Ter	is.Comp. C	hords Tens.	Comp.
	Wind [Duration: 1.60		WAVE	VIEW Ver: 21.01.03A.0805.15	B-C 3	37 - 643 D	- E 374	- 595
Lumber	-					-C-D 4	67 -510		
Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1	;					Maximum B	ot Chord Forc	es Per Ply (lb	s)
Webs: 2x4 SP #3;	,					Chords Ten	is.Comp. C	hords Tens.	Comp.
Plating Notes						B-H 5	13 - 314 н	- G 513	- 314
Plates sized for a min	imum of	f 3.50 sq.in./piece.							
Purlins									
In lieu of structural pa	nels or r	rigid ceiling use pu	ırlins						
Chord Spacing(ir	n oc)	Start(ft) End(ft	.)						
TC 75		-1.61 7.42 7.42 16.44							
BC 120 Apply purlins to any d	hords al	0.12 14.83 bove or below filler	rs		ANA MARSHOTALE SAL FLORING TO THE SALES				
at 24" OC unless show	wn othei	rwise above.	-	State of the second second	AM H. KANNIN				
Loading				and the second sec	CENO				
Truss passed check for chord live load in area	or 20 ps as with 4	f additional bottom	ן ב	13/	HO- OF IL				
clearance.			,	17.	No 70861				
Live loads applied in a 2.4.1 use 0.75 factor	combina for multi	tion per ASCE 7 s ible live loads.	ec.						
Wind		F							
Wind loads based on	MWFR	S with additional C	C&C		STATA OF				
member design.	- hath (his roof		Bi	Mobile A.S.				
Wind loading based o	n dour g	Jable and hip roof	types.	69	GIAN				
				COA #027	18 ONAL Elimination				
				Elor 04/20/	2022ata of Product Approval #FI	1000			
						- 1999			
IMPORT/	**WAI ANT	RNING** READ / FURNISH THIS D	AND FO	LLOW ALL NOTES ON THIS D	RAWING! CLUDING THE INSTALLERS				
Trusses require extrem Component Safety Info	ne care ormatior	in fabricating, han n. by TPI and SBC	dling, sh A) fọr sa	ipping, installing and bracing. Ratety practices prior to performing	Refer to and follow the latest edition these functions. Installers shall p	of BCSI (Build	ding ary		
bracing per BCSI. Unit attached rigid ceiling. I	ess note	d otherwise, top cl is shown for perm	hord sha anent la	all have properly attached structu teral restraint of webs shall have	iral sheathing and bottom chord sna bracing installed per BCSI sections	all have a prop s B3, B7, or B1	peřly 10,		
drawings 160A-Z for s	tandard	plate positions. R	efer to jc	b's General Notes page for addi	tional information.	WISE. Reich a	0 · 4	ÁLPÍ	NE
Alpine, a division of IT	W Build	ina Components C	.}roup In∉	c. shall not be responsible for an	v deviation from this drawing, any f	ailure to build '	the 2		ANUTRICOMPANY

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SEQN: 105915	MONO	Ply: 1	Job Nu	mber: B53	3792AB				Cust:	R 857 JRef: 1	XeU8570002 T9
FROM: RNB		Qty: 10	Green F	tes Roof abel: T-1	1				Drwt SSB	No: 110.22.07 / WHK	24.33410 04/20/2022
			TTUSS L	abel. 1-1	<u> </u>				336		04/20/2022
				ŀ-	6'6"10 6'6"10 ► +	13'1"4 6'6"10					
			Ţ				F + 20'9*1	4			
					10.9 12 6X6	€¶° ⊥ + ¢6×6 (a)	-				
					F 45X6	60 - 108°12 114°4	- 114 4				
				=5X6	(a) 12		⊷ _ \	1			
				₩3X6 ↓	13'1*4	.					
				⊨	5'11"6	6'6"10 12'9"12					
				3"1 3"1	2	3"8 13'1"4					
Loading Criteria (psf)	Wind	Criteria		Snow C	riteria (Pg,Pf in PSF)	Defl/CSI Criteria		▲ Maxim	num Reacti	ons (lbs)	
TCLL: 20.00	Wind Speed	Std: ASCE 7-16 : 140 mph		Pg: NA Pf: NA	Ct: NA CAT: NA	PP Deflection in loc L/defl	L/#	Loc R+	Gravity / R- /	/Rh /Rw	Non-Gravity v /U /RL
BCLL: 0.00		sure: Closed		Lu: NA	Cs: NA	VERT(CL): 0.336 B 458	3 240	G 561	/- /	/- /283	3 /- /501
BCDL: 10.00	EXP: 0	C Kzt: NA		Snow Du	uration: NA	HORZ(LL): -0.162 B -	-	D 557 Wind rea	/- / actions base	/- /620 ed on MWFR	6 /346 /- S
NCBCLL: 10.00	Mean I TCDL:	Height: 17.45 ft 4.2 psf		Building	Code:	Creep Factor: 2.0		G Brg	Wid = 3.8	Min Req =	1.5
Soffit: 2.00	BCDL:	6.0 psf	to h/O	FBC 7th TPI Std:	Ed. 2020 Res. 2014	Max TC CSI: 0.989 Max BC CSI: 0.950		Bearing	D is a rigid :	surface.	1.0
Spacing: 24.0 "	C&C E	ist a: 3.00 ft	1011/2	Rep Fac	: Yes	Max Web CSI: 0.838		Bearing Members	G ⊢cperp = s not listed l	425psi. have forces le	ess than 375#
	Loc. fr	om endwall: Any GCpi: 0.18		Plate Ty	0(0)/0(0) pe(s):			Maximu Chords	m Top Cho	ord Forces Po	er Ply (lbs)
	Wind E	Duration: 1.60		WAVE		VIEW Ver: 21.01.03A.0805	5.15	A - B	2224 - 219	9 <u>. </u>	
Lumber Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1; Webs: 2x4 SP #2;	;			Drop load verti	o leg is not designed to ing from wind pressure ical does not provide s	o resist any lateral e on the wall. End upport for wall.		Maximu Chords	m Bot Cho Tens.Com	rd Forces Pe	er Ply (Ibs) Tens. Comp.
Proving								G - F	543 - 143	36 F-E	2406 - 3395
(a) Continuous lateral	restrain	t equally spaced	on					Maximu	m Wob For	cos Por Plu	(lbc)
member. Or 2x6 #3 or length of web member (0.128"x3",min.)nails	better ' r. Attach @ 6" oc	"T" reinforcement ned with 10d Box	t. 80% or Gun					Webs A - G	Tens.Comp	D. Webs	Tens. Comp. 2815 - 2016
Plating Notes								A-F F-B	1854 - 174	18 E-D	897 - 627
Plates sized for a mini	imum of	3.50 sq.in./piece) .					1-0	-150 - 14	N	
Purlins In lieu of structural parts	nels or r	igid ceiling use p	urlins		-1000110						
Chord Spacing(ir	n oc)	Start(ft) End(1	ft)		ALL MARKED	TO MAN					
BC 55	hords at	0.10 13.02	2 2 2		and the second second	ICENSE C	A.				
at 24" OC unless show	vn othei	rwise above.				70861	lanne.				
Wind loads based on		2 with additional (~~~					•			
member design.	MWFR	S with additional (Lau			I I V					
End verticals exposed meets L/180.	to wind	pressure. Deflect	ction		R i	AL					
Extended end vertical to resist horizontal for support.	web(s) ces or to	have not been de b laterally brace t	esigned he		OFFS	CORIDACIA					
Wind loading based o	n both g	able and hip roof	f types.		COA #0 27	S UNAL COMMITTEE					
					FlorRade	theate of Product Approva	al #FL 1	999			
IMPORT/	**WAI	RNING READ FURNISH THIS [LLOW AL G TO ALL	L NOTES ON THIS D CONTRACTORS INC	RAWING! CLUDING THE INSTALLERS	- <u></u>				
Trusses require extrem Component Safety Info	ne care	in fabricating, hai , by TPI and SBC d otherwise top	ndling, sh CA) for sa	ipping, ins ifety pract	stalling and bracing. I ices prior to performing	Refer to and follow the latest of g these functions. Installers and bottom chi	edition c shall pro	of BCSI (I	Building		•
attached rigid ceiling. L as applicable. Apply r	ocation	each face of true	nanent la	eral restra	aint of webs shall have shown above and on the	 bracing installed per BCSI so ne Joint Details, unless noted 	d otherw	B3, B7, c ise. Re	fer to	1	

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

SEQN: 105913	MONO	Ply:	1	Job Nu	mber: B53792AB			Cust: R 857 JF	tef:1XeU8570002 T8
FROM: RNB		Qty:	10	Green R Truss L	Res Roof .abel: T-12			DrwNo: 110.22 SSB / WHK	2.0724.42130 04/20/2022
					abel: T-12 → 58'2 58'2 58'2 10.9 10.9 10.9 F 4X6 F 10.1 10.2 #4X6 10.3	$\begin{array}{c} 1114^{*4} & 117^{*12} \\ 58^{2} & 3^{*6} \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\$	1°14	SSB / WHK	04/20/2022
					11'7"12				
					5'0"14 5 5'4"10 1	5'11"10 1'4"4			
					3"12 3'12	3"8 11'7"12			
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00	Wind C Wind S Speed Encloss Risk C EXP: C Mean I TCDL: BCDL:	Criteria Std: A : 140 Sure: Cl Sategory C Kzt Height: 4.2 ps : 6.0 ps	a SCE 7-16 mph osed y: II : NA 16.79 ft f		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.	Defi/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.089 B 999 360 VERT(CL): 0.190 B 718 240 HORZ(LL): 0.085 B - HORZ(LL): 0.175 B - Creep Factor: 2.0 Max TC CSI: 0.965	▲ Maximum R Gravit Loc R+ / R G 496 /- D 497 /- Wind reactions G Brg Wid = D Brg Wid = D Brg Wid =	y - / Rh /- - /s based on MW = 3.8 Min Req = 3.5 Min Req	Non-Gravity / Rw / U / RL /233 /- /401 /541 /251 /- FRS I= 1.5 I= 1.5
Load Duration: 1.25 Spacing: 24.0 "	MWFR C&C D Loc. fr	RS Para Dist a: 3 om end GCpi Duratio	allel Dist: h 6.00 ft fwall: not ir : 0.18 n: 1.60	to 2h n 9.00 ft	TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Max BC CSI: 0.739 Max Web CSI: 0.884 VIEW Ver: 21.01.03A.0805.15	Bearing D is a Bearing G Fcp Members not I Maximum Top Chords Tens.	rigid surface. erp = 425psi. isted have force p Chord Force: .Comp.	es less than 375# s Per Ply (lbs)
Lumber							JA-B 1263	3 - 1698	
Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; Rt Bearing Leg: 2x4 S	; ; 3P #3;						Maximum Bo Chords Tens	t Chord Forces	Per Ply (lbs) ords Tens. Comp.
Bracing (a) Continuous lateral	restrain	it equal	ly spaced	on			Maximum We Webs Tens	b Forces Per f .Comp. We	- 1047 - 2072 Ply (lbs) bs Tens. Comp.
reinforcement. 80% le with 8d Box or Gun (0 Plating Notes Plates sized for a mini	imum of	web m .5",min	ember. Atta .)nails @ 6	ached " oc.			A - G 440 A - F 1412 B - E 1522) - 434 D - ? - 981 C - ? - 1392	E 499 - 477 D 1965 - 1609
Purlins In lieu of structural pai to laterally brace chorr Chord Spacing(ir TC 53 BC 75 Apply purlins to any cl at 24" OC unless show Wind Wind loads based on member design. End verticals exposed meets L/180.	nels or r ds as fo n oc) hords ab wn other MWFRS	rigid ce Ilows: Start(f 0.00 0.10 pove or rwise a S with a	iling use pu t) End(fi 11.65 below fille bove. additional (ure. Deflec	urlins t) rs C&C tion	A N	M H. FP CENSET C 0. 70861	~		
Wind loading based o	n both g	gable a	nd hip roof	types.	COA #0 278	ONAL ENGINEERING			
	**\&/ & '		** DEVD		FlorRH/2022A	Acate of Product Approval #FL 1	1999		
IMPORTA Trusses require extrem Component Safety Info bracing per BCSL. Unle attached rigid ceiling. I as applicable. Apply g drawings 160A-Z for S	ANT ne care ormation ess note Location plates to tandard	FURNI in fabri b, by TF d other s show each f plate p	READ SH THIS D cating, han PI and SBC rwise, top c rn for perm face of trus oositions. R	AND FO RAWING Idling, sh A) for sa chord sha anent lat s and po efer to jo	G TO ALL CONTRACTORS INC ipping, installing and bracing. Fa lety practices prior to performing all have properly attached structu teral restraint of webs shall have sistion as shown above and on th bb's General Notes page for addi	CAWING: CLUDING THE INSTALLERS Refer to and follow the latest edition these functions. Installers shall p iral sheathing and bottom chord shi bracing installed per BCSI sections to all information. W deviation from this drawing, and	of BCSI (Buildin provide temporar all have a prope s B3, B7, or B10 wise. Refer to	ng Y rfy ,	

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 of the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 105980	COMN	Ply: 1	Job Nu	mber: B53792AB			Cust: R 857 JRef: 1XeU8570002 T34
FROM: RNB		QTY: 4	Green R	abel: T-13			SSB / WHK 04/20/2022
				21112 - 56'9 - 10'7'12 21112 - 34'13 - 51'3	+ 155'7 158'15 4'9'11 3'8		
		- 22°40 - →	T =3X4(B1 2 ^{r13} A	3.33 12 MAX8(SR5) 10.3	¢4X6(±+) (4X6) (4X		
			ـــا ـــا	2 33'12 4'10'12 21'12 33'12 100'12 21'12 55'8 104'4			
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 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 7-16 140 mph sure: Closed iategory: II C Kzt: NA Height: 17.84 ft 4.2 psf 6.0 psf RS Parallel Dist: > Dist a: 3.00 ft om endwall: not in GCDi: 0.18	2h 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)/0(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl VERT(LL): 0.026 999 3 VERT(CL): 0.055 D 999 2 HORZ(LL): 0.022 H - HORZ(TL): 0.047 H - Creep Factor: 2.0 Max TC CSI: 0.844 Max BC CSI: 0.300 Max Web CSI: 0.430	 Maximum I Gravit Loc R+ / F J 230 /- I 719 /- F 398 /- Wind reaction J Brg Wid F Brg Wid Bearing F is a Bearings J & Montemport 	Acceptions (Ibs) Non-Gravity ty Non-Gravity /- /Rh / Rw / U / RL /- /66 /67 /381 /. /- /446 /- /- /- /446 /- /- /- /441 /232 /- as based on MWFRS = 3.5 Min Req = 1.5 = 3.5 Min Req = 1.5 = 3.0 Min Req = 1.5 = 3.0 Min Req = 1.5 = 1.5 = = rigid surface. I Foperp = 425psi. = = Were former for
Lumber Top chord: 2x4 SP #1 Bot chord: 2x6 SP #1; Webs: 2x4 SP #3; Bt Poscing Log: 2x4 SP	Wind [; B2 2x4	SP #1;		WAVE	VIEW Ver: 21.01.03A.0805.15	Members not Maximum To Chords Tens C - D 40 Maximum Bo	listed have forces less than 3/5# p Chord Forces Per Ply (lbs) s.Comp. 6 - 890 ot Chord Forces Per Ply (lbs)
Plating Notes (++) - This plate works Plates sized for a mini	for bot	th joints covered. f 3.50 sq.in./piece.				Chords Tens I - H 9 Maximum W Webs Tens	S.Comp. Chords Tens. Comp. 5 - 526 H - G 951 - 931 eb Forces Per Ply (Ibs) S.Comp. Webs Tens. Comp.
In lieu of structural par to laterally brace chord Chord Spacing(ir TC 69 TC 75 BC 66 BC 66 BC 75 Apply purlins to any cf at 24" OC unless show	nels or i ds as fo n oc) nords at	rigid ceiling use pu llows: Start(ft) End(ft 0.00 5.55 5.55 15.75 0.00 5.46 5.46 15.46 bove or below filler rwise above.	ırlins) rs	ATT THE REAL PROPERTY AND THE READ THE REAL PROPERTY AND THE REAL	CENSET C	I-С 36 С-Н 85	1 -445 D-G 618 -665 4 -376 E-F 1123 -997
Wind Wind loads based on member design. Right end vertical exp Deflection meets L/18 Left cantilever is not e Wind loading based o Additional Notes Shim all supports to se	MWFR osed to 0. xposed n both g blid bea	S with additional C wind pressure. to wind gable and hip roof rring.	C&C types.		ORIDA		
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 the in extreme	**WAI NT he care ormatior ess note ocation blates to andard W Build	RNING** READ FURNISH THIS D in fabricating, han h, by TPI and SBC d otherwise, top c d otherwise, top c s shown for perm b each face of trus plate positions. R ing Components (SURD) d october	AND FO RAWING dling, sh A) for sa anent lat s and po efer to jo Group Ind	FlorAtt 20249 FlorAtt 20249 LLOW ALL NOTES ON THIS DI joping, installing and bracing. R fety practices prior to performing all have property attached structu eral restraint of webs shall have sition as shown above and on th b's General Notes page for addit . shall not be responsible for any bipoing installions and the shown above and on the b's content of the shown above and on the b's General Notes page for addit . shall not be responsible for any character and the shown above and the shown above and on the b's General Notes page for addit	Rearing in the second s	TL 1999 tion of BCSI (Buildi all provide tempora ishall have a prope ions B3, B7, or B1(therwise. Refer to ny failure to build th	

It uss in conformance with ANSI/TPL1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing of 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/TPL1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org 155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 105919	MONO	Ply: 1	Job Nu	mber: B53792AB			Cust: R 857 JRef: 1X	(eU8570002 T6		
FROM: RNB		Qty: 5	Green F	tes Roof			DrwNo: 110.22.072	4.48780		
			TTUSS L				33B / WHK	04/20/2022		
				3'3'5 73'7 9'11'6 33'5 40'2 28'	5 <u>164*</u> <u>167</u> *8 64*10 398					
				₩5X14(Ē5) ■4X4	=4X4 L					
				16778	76'15					
				1 18, -11 89,1 -11	16'4" 238					
Loading Critoria (pol)	Wind			Snow Critoria (De Din DSE)		A Maximum R	eactions (lbs)			
TCLL: 20.00	Wind S	Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	y N	Ion-Gravity		
TCDL: 7.00	Speed	: 140 mph		Pf: NA Ce: NA	VERT(LL): 0.025 J 999 360	Loc R+ /R-	· /Rh /Rw	/U /RL		
BCLL: 0.00	Risk C	ategory: II		Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.049 J 999 240	K 756 /-	/- /440	/- /668 /467 /-		
Des Ld: 37.00	EXP: 0	C Kzt: NA			HORZ(TL): 0.055 C	Wind reactions	based on MWFRS	,401 ,		
NCBCLL: 10.00	TCDL:	4.2 psf		Building Code:	Creep Factor: 2.0	K Brg Wid =	5.5 Min Req = 1.	.5		
Soffit: 2.00	BCDL	6.0 psf	10 4 - h	FBC 7th Ed. 2020 Res. TPI Std ⁻ 2014	Max TC CSI: 0.766 Max BC CSI: 0.998	Bearings K & H	I Fcperp = 425psi.	5		
Spacing: 24.0 "	C&C E	ist a: 3.00 ft	/2 to n	Rep Fac: Yes	Max Web CSI: 0.636	Members not li	sted have forces les	s than 375#		
	Loc. fr	om endwall: not ir	n 9.00 ft	FT/RT:20(0)/0(0)		Chords Tens.	Comp. Chords	Tens. Comp.		
	Wind I	GCpi: 0.18 Duration: 1.60		Plate Type(s):	VIEW Ver: 21.01.03A.0805.15	B-C 301	- 919 D - E	0 - 543		
Lumber				Wind		C-D 0	-672 E-F	0 - 399		
Top chord: 2x4 SP #1	;			Wind loads based on MWF	RS with additional C&C	Maximum Bot	Chord Forces Per	Ply (lbs)		
Bot chord: 2x4 SP #1 Webs: 2x4 SP #3; W4	; 4 2x4 SI	P #1;		member design. Right end vertical not expos	sed to wind pressure	Chords Tens.Comp.				
Lt Slider: 2x8 SP #2; Rt Bearing Leg: 2x4 S	block lei SP #3:	ngth = 1.500'		Wind loading based on bot	h gable and hip roof types.	B - J 495	- 541			
Breeing	,					Maximum Wol	h Forcos Por Phy/I	he)		
(a) Continuous lateral	restrain	t equally spaced	on			Webs Tens.	Comp. Webs	Tens. Comp.		
member. Or 2x6 #3 o length of web membe (0.128"x3".min.)nails	r better r. Attach @ 6" oc	"T" reinforcement ned with 10d Box	. 80% or Gun			J - F 405 F - I 458	-63 H-I -532 G-H	525 - 349 1311 - 1131		
Plating Notes										
Plates sized for a min	imum of	f 3.50 sq.in./piece								
Purlins				annin	NA H					
In lieu of structural pa	nels or i	rigid ceiling use p	urlins	ALL MARKED	TO MA					
to laterally brace chor Chord Spacing(ii	'ds as fo n oc)	llows: Start(ft) End(f	t)		JCENSE C					
TC 75 BC 111		-1.60 16.63 0.00 16.33		<u> </u> \$						
Apply purlins to any c	hords al	ove or below fille	rs		No. 70861	-				
at 24 OC unless sho	wnoure	Twise above.		₩						
Loading	or 20 pc	f additional bottor	~		STATE OF					
chord live load in area	as with 4	2"-high x 24"-wid	e		NJ J					
clearance.	combins	tion per ASCE 7	500	Contraction of the second s	CORID					
2.4.1 use 0.75 factor	for multi	ple live loads.	300.	Sec. Sec. Sec. Sec. Sec. Sec. Sec. Sec.	SOMAL ENGINE					
COA #0278 UNAL										
	Flor Ht/ 2027 Product Approval #FL 1999									
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!										
IMPORT	ANT ne care	FURNISH THIS D	RAWIN Idling. sh	G TO ALL CONTRACTORS INC ipping, installing and bracing. R	LUDING THE INSTALLERS efer to and follow the latest edition	of BCSI (Buildin	ıg			
Component Safety Info bracing per BCSI. Unle attached rigid ceiling.	ormation ess note Location	n, by TPI and SBC d otherwise, top o is shown for perm	CA) for sa chord sha anent lat	fety practices prior to performing ill have properly attached structu eral restraint of webs shall have sition as shown above and on the	these functions. Installers shall p ral sheathing and bottom chord sha bracing installed per BCSI sections	rovide temporary all have a proper B3, B7, or B10,	Îy	. .		

as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information. Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org





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.

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SEQN: 105990	COMN	Ply: 1	Job Nu	mber: B53792AB			Cust: R 857 JRef: 1XeU8570002 T29		
FROM: RNB		Qty: 1	Green Res Roof DrwNo: 110.22.0724.53133 Trues Label: T-17 SSB / WHK 04/20/2022						
			Truss L				SSB / WHK 04/20/2022		
			H		14'10"1 7'5'1				
			주 [고 =3X4						
				211"12 . 4'3"8 .	76"13				
			H	2'11"12 7'3"4	14'10'1				
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00	Wind S Speed Enclos Risk C	Criteria Std: ASCE 7-16 : 140 mph sure: Closed ategory: II		Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA NA NA NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): -0.027 D 999 360 VERT(CL): 0.025 D 999 240 HORZ(LL): 0.035 D	▲ Maximum R Gravity Loc R+ / R- F 756 /- D 468 /-	eactions (Ibs) / Non-Gravity / / Rh / Rw / U / RL /- /470 /296 /356 /- /298 /177 /-		
Des Ld: 37.00	EXP: 0 Mean	CKzt: NA Height: 25.62 ft			HORZ(TL): 0.040 D	Wind reactions	based on MWFRS		
NCBCLL: 10.00 Soffit: 2.00	TCDL:	4.2 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.692	D Brg Wid =	5.5 Min Req = 1.5		
Load Duration: 1.25	MWFF	S Parallel Dist: 0	to h/2	TPI Std: 2014	Max BC CSI: 0.662	Bearings F & D Members not li) Fcperp = 425psi. sted have forces less than 375#		
Spacing: 24.0 "	C&C E)ist a: 3.00 ft om endwall: not ir	n 9.00 ft	FT/RT:20(0)/0(0)	Max Web CSI: 0.211	Maximum Top	Chord Forces Per Ply (lbs)		
		GCpi: 0.18		Plate Type(s):					
Lumber	wind L	Juration: 1.60		WAVE	VIEW Ver: 21.01.03A.0805.15	0-0 200			
Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;	,					Maximum Bot Chords Tens. F - E 340	Chord Forces Per Ply (lbs) Comp - 389		
Bracing (a) Continuous lateral member Or 1x4 #3SF	restrain	t equally spaced (on			Maximum Wel	b Forces Per Ply (Ibs) Comp. Webs Tens. Comp		
reinforcement. 80% le with 8d Box or Gun (0	ngth of .113"x2	web member. Atta .5",min.)nails @ 6	ached " oc.			F - B 388	- 707 B - E 399 - 138		
Plating Notes Plates sized for a mini	imum of	3.50 sq.in./piece							
Purlins									
In lieu of structural part to laterally brace chord Chord Spacing(in TC 75	nels or i ds as fo n oc)	igid ceiling use pu llows: Start(ft) End(ft 0.00 7.42	urlins t)	A STATE OF STATE	M H. Application				
BC 75 BC 75 Apply purlins to any cl at 24" OC unless show	hords at wn othe	0.00 14.71 0.00 14.83 Dove or below fille rwise above.	rs	S S	0. 70861	_			
Wind Wind loads based on member design.	MWFR	S with additional C	C&C	*	TATE OF				
Left cantilever is not e	xposed	to wind							
Wind loading based o	n both g	able and hip roof	types.	10	CRIM				
				COA #0 278	ONAL EN MIL				
				FlorR4/20/2	Mannen Martine Approval #FI	. 1999			
	WA	RNING READ	AND FO	LLOW ALL NOTES ON THIS DE	RAWING!				
IMPORTA Trusses require extrem Component Safety Info bracing per BCSI. Unle attached rigid ceiling. I as applicable Apply a	ANT ne care ormatior ess note ocation	FURNISH THIS C in fabricating, har by TPI and SBC d otherwise, top c s shown for perm each face of trus	RAWING Idling, sh A) for sa chord sha anent lat is and po	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 istion as shown above and on th	LUDING THE INSTALLERS efer to and follow the latest edition these functions. Installers shall p rail sheathing and bottom chord sha bracing installed per BCSI sections e Joint Details. unless noted other	of BCSI (Buildin rovide temporary all have a proper s B3, B7, or B10, wise. Refer to	g Iv		

as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, "unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information. Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 106028 (COMN	Ply: 1	Job Nur	nber: B53792AB			Cust: R 857 JRef: 1XeU8570002 T32
		QUY. I	Truss L	abel: TG-1			SSB / WHK 04/20/2022
			ŀ	311°8 7'5" 311°8 4'3'8	+ 14'10''1 		1
			주 [년 =4x4 +				
	I		H	211"12 43"8 211"12 73"4			
Loading Criteria (psf)	Wind S	Criteria Std: ASCE 7-16		Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria	▲ Maximum R Gravit	y Non-Gravity
TCDL: 7.00	Speed	: 140 mph		Pf: NA Ce: NA	VERT(LL): 0.030 D 999 360	Loc R+ /R-	- /Rh /Rw /U /RL
BCLL: 0.00	Enclos Risk C	ure: Closed ategory: II		Lu: NA Cs: NA	VERT(CL): 0.055 D 999 240	F 3019 /-	/- /- /701 /-
Des Ld: 37.00	EXP: C	Kzt: NA			HORZ(TL): 0.040 D	Wind reactions	s based on MWFRS
NCBCLL: 10.00	Mean I	Height: 25.62 ft 4 2 psf		Building Code:	Creep Factor: 2.0	F Brg Wid =	3.5 Min Req = -
Soffit: 2.00	BCDL:	6.0 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.999	Bearings F & D	5.5 Min Req = 2.7 D Fcperp = 425psi.
Load Duration: 1.25 Spacing: 24.0 "	MWFR	S Parallel Dist: 0	to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.700	Members not li	isted have forces less than 375#
opaoing. 24.0	Loc. fro	om endwall: not in	n 4.50 ft	FT/RT:20(0)/0(0)		Maximum Top Chords Tens	Chord Forces Per Ply (lbs)
	Wind	GCpi: 0.18		Plate Type(s):	\//E\\/\/er: 24.04.024.0805.45	B-C 380) - 1577 C - D 437 - 1611
Lumber				WAVE Bearing Block(s)	VIEW Vel. 21.01.03A.0605.15		
Top chord: 2x4 SP #1:	;			Brg blocks:0.128"x3", min.	. nails	Maximum Bot	t Chord Forces Per Ply (lbs)
Bot chord: 2x8 SP SS Webs: 2x4 SP #3:	Dense;			brg x-loc #blocks lengt 1 2 833' 1 12"	th/blk #nails/blk wall plate		200 200 C
Or a sick Lands				Brg block to be same size	and species as chord.	E-D 902	- 206
Special Loads	_1 25 /	Plato Dur Eac -1	25)	Refer to drawing CNNAILS	SP1014 for more information.	Maximum We	b Forces Per Ply (lbs)
TC: From 62 plf a	at 0.0	00 to 62 plf at	14.84	Truss Fabricator to review	e Building Designer and this drawing prior to	Webs Tens.	Comp. Webs Tens. Comp.
BC: From 20 plf a BC: From 10 plf a	at 0. at 3.	00 to 20 plf at 19 to 10 plf at	3.19 14.84	cutting lumber to verify that dimensions and loads, cor	at all data, including	F-B 590) - 2097 E - C 1838 - 207
BC: 697 lb Conc. Lo	bad at 3	3.19, 5.19, 7.19, 9	.19	plans/specifications and fa	bricators truss layout.	B-E 1220	-201
	au at i	1.19,13.19					
Plates sized for a mini	mum of	3 50 sq in /niece					
		0.00 04	-		1019822565731344768747687		
Purlins	ole or r	iaid coiling uso pu	urline	STATUTE L	M.H. Franklin		
to laterally brace chord	ds as fol	llows:		Sector States	CENS		
TC 55	i oc)	0.00 7.42	()	3/	LOC OF IL		
TC 43 BC 75		7.42 14.83 0.00 14.83			No 70861		
Apply purlins to any ch	nords ab	ove or below filler	rs			-	
	vii ouiei	wise above.					
Wind loads and regist	one has				STATE OF		
Left cantilever is not e	uns Das xposed	to wind		A Star	Shohd i to a		
Wind loading based or	n both a	able and hip roof	types.		CRIMER		
0	5	,			VONAL EN UNIT		
					Prover marping of 1 644 THI MALL		
				Florkta	tiffeate of Product Approval #FL	. 1999	
	WAF	RNING READ FURNISH THIS D		LLOW ALL NOTES ON THIS D TO ALL CONTRACTORS INC inping installing and bracing	RAWING! CLUDING THE INSTALLERS Refer to and follow the latest edition	of BCSL (Buildin	ng

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 properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information. Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, 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 the







Cracked or Broken Member Repair Detail

Load Duration = 0%

This drawing specifies repairs for a truss with broken chord or web member.

This design is valid only for single ply trusses with 2x4 or 2x6 broken members. No more than one break per chord panel and no more than two breaks per truss are allowed. Contact the truss manufacturer for any repairs that do not comply with this detail.

- (B) = Damaged area, 12" max length of damaged section
- (L) = Minimum nailing distance on each side of damaged area (B)
- (S) = Two 2x4 or two 2x6 side members, same size, grade, and species as damaged member. Apply one scab per face. Minimum side member length(s) = (2)(L) + (B)

Scab member length (S) must be within the broken panel.

Nail into 2x4 members using two (2) rows at 4" o.c., rows staggered. Nail into 2x6 members using three (3) rows at 4" o.c., rows staggered.

Nail using 10d box or gun nails (0.128"x3", min) into each side member.

The maximum permitted lumber grade for use with this detail is limited to Visual grade #1 and MSR grade 1650f.

This repair detail may be used for broken connector plate at mid-panel splices.

This repair detail may not be used for damaged chord or web sections occurring within the connector plate area.

Broken chord may not support any tie-in loads.

AN ITW COMPAN

155 Harlem Ave North Building, 4th Floor

Glenview, IL 60025



			Maximum Member Axial Force						
Member	Size	L	SPF-C	HF	DF-L	SYP			
Web Only	2×4	12″	620#	635#	730#	800#			
Web Only	2×4	18″	975#	1055#	1295#	1415#			
Web or Chord	2×4	244	975#	1055#	1495#	1745#			
Web or Chord	2×6	_ ∠4	1465#	1585#	2245#	2620#			
Web or Chord	2×4	20#	1910#	1960#	2315#	2555#			
Web or Chord	2×6	- 30	2230#	2365#	3125#	3575#			
Web or Chord	2×4	36"	2470#	2530#	2930#	3210#			
Web or Chord	2×6	50	3535#	3635#	4295#	4745#			
Web or Chord	2×4	10/	2975#	3045#	3505#	3835#			
Web or Chord	2×6	46	4395#	4500#	5225#	5725#			
Web or Chord	2×4	10"	3460#	3540#	4070#	4445#			
Web or Chord	2x6	40	5165#	5280#	6095#	6660#			

Member forces may be increased for Duration of Load



24.0″ MAX

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

Commentary: Deflection and Camber

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

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

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

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

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

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155 Harlem Ave North Building, 4th Floor

Glenview, IL 60025

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

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

L = Span of Truss (inches)

D = Depth of Truss at Deflection Point (inches)

Recommended Truss Deflection Limits

re applied.	<u>Truss Type</u>	<u>L/D</u>	<u>Deflection</u>	<u>Limits</u>		
ainage to avoid ponding on flat or ifs,	Pitched Roof Trusses	24	<u>Live Load</u> L/240 (vertical)	<u>lotal Load</u> L/180 (vertical)		
for different deflection cs between adjacent trusses.	Floor of Room-In-Attic Trusses	24	L/360 (vertical)	L/240 (vertical)		
earance of garage door headers ng spans that can appear to "sag."	Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)		
in roof ridgelines at the transition Ne to adjacent clear span trusses.	Residential Floor Trusse	s 24	L/360 (vertical)	L/240 (vertical)		
ANSI/TPI 1 the Building Designer.	Commercial Floor Trusses	s 20	L/480 (vertical)	L/240 (vertical)		
ruction Documents, shall provide the and magnitude of all loads attributable	Scissors Trusses	24	0.75" (horizontal)	1.25" (horizontal)		
ay occur due to the design of the roof he Building Designer shall also specify load, and in-service creep deflection or low-slope roofs subject to ponding	Truss TypeRecommended CamberPitched Trusses1.00 x Deflection from Actual Dead Lo					
ber is dependent on the truss type,	Sloping Parallel Chord Trusses	1.5 x V Actual	ertical Deflection H Dead Load	from		
cation, etceteras.	Floor Trusses	(0.25 x Deflection from Live Load) + Actual Dead Load				
(L/D) may be required to help	Flat Roof Trusses (0.25 x Deflection from Live Load) + (1.5 x Design Dead Load Deflection)					
s are provided as guidelines for and estimating camber. Conditions or at require exceeding these r past experience may warrant using tations.	Note: The optimal dead the design blead to	oad may oad.	y be considerably l	ess than		
##VARNING!## READ AND FOLLOV ALL NOTES ON THIS DRAVING! ##IMPORTANT## FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE I	INSTALLERS NO. 70861			REF DEFLEC/CAMB		
Inusses require extreme care in fabricating, handling, shipping, installing and braz follow the latest edition of BCSI (Building component Safety Information, by TPI and practices prior to performing these functions. Installers shall provide temporary black and advantage to the same care of the same component set of the same set.	:ing, Refer to and A SBCA) for solety bracing pe BCSI.			DATE 10/01/14		
shall have a properly attached rigid celling. Locations shown for pernanent latera shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply po of truss and position as shown above and on the Joint Details. unless noted other	l restraint of webs SIAIA Of the state of th	Ed all		DRWG DEFLCAMB1014		
Refer to drawings 160A-Z for standard plate positions. Alpine, a division of ITV Building Components Group Inc. shall not be responsible f this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for	or any deviation from	A Land				
Installation & bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of engineering responsibility solely for the design shown. The suitability and use of the for any structure is the responsibility of the Building Designer per ANSI/TEI 1 Sec.	professional his drawing 2.	/20/2022				

Florida Certificate of Product Approval #FL 1999







This document has been electronically signed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.





COA #0 278 Florida Certificate of Product Approval #FL 1999 04/20/2022 Alpine, an ITW Company 155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 Phone: (800)755-6001 www.alpineitw.com

Site Information:	Page 1:
Customer: Seminole Trusses, Inc.	Job Number: B53792BB
Job Description: Green Res Floor	
Address: LAKE CITY, FL	

Job Engineering Criteria:									
Design Code: FBC 7th Ed. 2020 Res.	IntelliVIEW Version: 21.01.03A								
	JRef #: 1XeU8570003								
Wind Standard: ASCE716 Wind Speed (mph): 0	Design Loading (psf): 55.00								
Building Type:									

This package contains general notes pages, 13 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	109.22.1615.28960	F-1	2	109.22.1615.31087	F-2
3	109.22.1615.32780	F-3	4	109.22.1615.34443	F-4
5	109.22.1615.36420	F-5	6	109.22.1615.38227	F-6
7	109.22.1615.39797	F-7	8	109.22.1615.41687	F-8
9	109.22.1615.43457	F-9	10	109.22.1615.45170	GE1
11	109.22.1615.46880	GE2	12	109.22.1615.48253	GE3
13	109.22.1615.51000	GE4	14	PB160160118	
15	PB180160118		16	REPCHRD1014	
17	STRBRIBR1014		18	DEFLCAMB1014	

General Notes

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

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AWC. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer. 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.

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

- 1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
- 2. ICC: International Code Council; <u>www.iccsafe.org</u>.
- 3. Alpine, a division of ITW Building Components Group Inc.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; <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.sbcacomponents.com.

SEQN: 107158	SY42	Ply: 1	Job Nur	nber: B53792BB							Cust: R 8	57 JRef:12	XeU8570003 T11
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BCDL: 5.00	Catego	ory: NA		Snow Duration:	NA	HORZ(L	L): 0.265 E L): 0.036 B		L 980	/- /-	/- /-	/- /-	- - - -
Des Ld: 55.00	EXP: r Mean	NA KZt: NA Height: NA ft		Building Code:		HORZ(T	L): 0.050 B		T Brg \	Wid =	5.5 Mi 3.5 Mi	in Req = 1	.5 5
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Spacing: 24.0 "	C&C E Loc. fr	om endwall: NA		FT/RT:12(0)/0(0))	Max we	0.430		Chords	Tens.C	Comp.	Chords	Tens. Comp.
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In lieu of structural pa to laterally brace chor	nels or i ds as fo	lows:	urlins						Maximur	n Woł	Forces	Por Plv (lhe)
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at 24" OC unless show	wn othe	wise above.			- INT	INTERESTORIES	AND DESCRIPTION		в-S S-C	911	- 875	N-Н Н-М	532 0 0 - 877
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recommendations.	1014 10	r bracing and brid	aging		and the second	CEN	SET C		0 - G	487	- 54		
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as applicable. Apply drawings 160A-Z for s	plates to tandard	each face of trus plate positions. F	ss and po Refer to jo	sition as shown a b's General Note	above and on t s page for add	he Joint De litional info	tails, unless r mation.	noted other	wise. Ref	er to		⊿í	
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SEQN: 107178 FROM: RNB	SY42	Ply: 1 Qty: 2	Job Nur Green R	nber: B53792BB es Floor			Cust: R 857 JRef: 1XeU8570003 T14 DrwNo: 109.22.1615.32780
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Loading Criteria (psf) TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind C Wind S Speed Enclos Catego EXP: N Mean I TCDL: BCDL: BCDL: MWFR C&C D Loc. fm I: NA	Criteria Std: NA : NA mph sure: NA ory: NA VA Kzt: NA Height: NA ft NA psf RS Parallel Dist: N Dist a: NA ft om endwall: NA GCpi: NA	A	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:12(0)/0(0) Plate Type(s):	Defi/CSI Criteria PP Deflection in loc L/defl VERT(LL): 0.012 C 999 VERT(CL): 0.018 C 999 HORZ(LL): 0.005 B - HORZ(TL): 0.008 B - Creep Factor: 2.0 Max TC CSI: 0.142 Max BC CSI: 0.117 Max Web CSI: 0.076	L/# 480 360 - -	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL J 281 /- /- /- /- /- G 281 /- /- /- /- /- J Brg Wid = 3.5 Min Req = 1.5 G Brg Wid = 3.5 Min Req = 1.5 Bearings J & G Fcperp = 425psi. Members not listed have forces less than 375#
Lumbor	Wind [Duration: NA		WAVE	VIEW Ver: 21.01.03A.0805.	.15	
Top chord: 4x2 SP #1 Bot chord: 4x2 SP #1; Webs: 4x2 SP #3;	;						
Purlins In lieu of structural pa to laterally brace chor Chord Spacing(in TC 59 BC 59 Apply purlins to any cl at 24" OC unless show	nels or r ds as fo n oc) hords at wn other	igid ceiling use p llows: Start(ft) End(f 0.19 5.15 0.19 5.15 pove or below fille rwise above.	urlins t) is				
Additional Notes							
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IMPORTA Trusses require extren Component Safety Info bracing per BCSI. Unle as applicable. Apply drawings 160A-Z for si Alpine, a division of IT trusp in conferment	**WAI	RNING READ FURNISH THIS I in fabricating, har h, by TPI and SBC d otherwise, top c s shown for perm each face of trus plate positions. R ing Components SUCPU 4 cases	AND FO DRAWING adling, shi chord sha chord sha chord sha chord sha chord sha chord sha chord sha cond inc	LLOW ALL NOTES ON THIS D FO ALL CONTRACTORS INC pping, installing and bracing. F fety practices prior to performing il have properly attached structurer ar 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 epinoing installing and the structure and the structure and the structure and the structure the structure and the structure and the structure the structure and the structure and the structure provide structure and the structure and the structure structure and the structure and the structure structure and the structure and the structure and the structure structure and the structure and the structure and the structure structure and the structure and the structure and the structure structure and the structure and the structure and the structure structure and structure and the structure and the structure structure and structure and structure and the structure and the structure structure and structure and structure and structure and structure and structure structure and structure	RAWING! LUDING THE INSTALLERS these functions. Installers ral sheathing and bottom chc bracing installed per BCSI se e Joint Details, unless noted tional information. y deviation from this drawing of traverse. A cert of the term	edition shall pr ord sha ections d otherv , any fa	of BCSI (Building ovide temporary II have a property B3, B7, or B10, vise. Refer to
listing this drawing, ind	licates a	icceptance of pro	fessional	engineering responsibility solely	for the design shown. The su	uitabilit	y and use of this North Building the Figure 155

Institute 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; TP1: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 108209	SY42	Ply: 1	Job Nu	mber: B53792BB		Cust: R 857 JRef:1XeU8570003 T5
FROM: RNB		Qty: 4	Green R Truss L	Res Floor abel: F-4		DrwNo: 109.22.1615.34443 SSB / WHK 04/19/2022
				$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	01"2
				4'6	"12 	
Loading Criteria (psf) TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind C Wind S Speed: Enclos Catego EXP: N Mean H TCDL: BCDL: MWFR C&C D Loc. fro I: NA	Criteria Std: NA NA mph ure: NA ny: NA Height: NA ft NA psf S Parallel Dist: N ist a: NA ft om endwall: NA GCpi: NA	A	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:12(0)/0(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.005 H 999 480 VERT(CL): 0.008 H 999 360 HORZ(LL): 0.003 B - - HORZ(TL): 0.005 B - - Creep Factor: 2.0 Max TC CSI: 0.078 Max BC CSI: 0.063 Max Web CSI: 0.055	▲ Maximum Reactions (Ibs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL 1 238 /- /- /- /- /- 1 238 /- /- /- /- /- F 238 /- /- /- /- /- I Brg Wid = 2.9 Min Req = 1.5 F Brg Wid = 3.4 Min Req = 1.5 F Brg Wid = 3.4 Min Req = 1.5 Bearings I & F Foperp = 425psi. Members not listed have forces less than 375#
	Wind D	Ouration: NA		WAVE	VIEW Ver: 21.01.03A.0805.15	
Top chord: 4x2 SP #1 Bot chord: 4x2 SP #1; Webs: 4x2 SP #3; Purlins In lieu of structural par to laterally brace chorr Chord Spacing(ir TC 50 BC 50 Apply purlins to any ch at 24" OC unless show	; ds as fol oc) nords ab vn other	igid ceiling use pu lows: Start(ft) End(f 0.19 4.38 0.19 4.38 iove or below fille wise above.	urlins t) rs			
Additional Notes	d ac chr	we with top chor	dun			
			α υρ.	COA #0278 Florfdt/2928	M.H. CENS 0. 20861 TATA OL OR ID. ONAL ENGINE ONAL ENGINE	1999
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Trusses require extrem Component Safety Info bracing per BCSI. Unle attached rigid ceiling. L as applicable. Apply p drawings 160A-2 for st Alpine, a division of ITI truss in conformance w listing this drawing, ind	In the care is a contraction of the care is a context of the care is a context of the care is a context of the care of the car	in fabricating, har of the fabricating, har of the fabricating, har of the fabrication of the s shown for perm each face of trus plate positions. R ng Components (SI/TPI 1, or for har occeptance of prof	AVVING Adling, sh CA) for sa chord sha anent lat is and po efer to jo Group Ind andling, ressional	G TO ALL CONTRACTORS INC ipping, installing and bracing. R lety practices prior to performing all have properly attached structu creal restraint of webs shall have isition as shown above and on th b's General Notes page for any shipping, installation and bracing engingering responsibility solary	LOUING THE INSTALLERS effer to and follow the latest edition these functions. Installers shall p trains the shall option chord sha bracing installed per BCSI sections e Joint Details, unless noted other ional information. y deviation from this drawing, any fa g of trusses. A seal on this drawing for the design shown. The suitability	of BCSI (Building rovide temporary all have a property B3, B7, or B10, wise. Refer to ailure to build the g or cover page w and use of this

Institute 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; TP1: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org





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North Building, 4th Floor Glenview, IL 60025





Glenview, IL 60025



North Building, 4th Floor Glenview, IL 60025



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



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SEQN: 106054 FROM: RNB	SY42	Ply: 1 Qty: 1	1	Job Nur Green R Truss L	mber: B53792BB Res Floor abel: GE4			Cust: R 857 JRef:1XeU8570003 T4 DrwNo: 109.22.1615.51000 SSB / WHK 04/19/2022
	<mark>- 1'</mark>	2"8						
= <u> </u>	1.5X3 A		- 1'4" (TYP)	►		0 0		≡1.5X3 K
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1								
	M 2X4	/ .		U	/ / / /			M ↔ ⊪2X4
		— 2'1	0"12 —			10'7"4		
					1	3'6"		
County Criteria (pst) TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00	Wind S Speed: Enclose Catego EXP: N Mean H TCDL: BCDL:	td: NAm ure: NA ry: NA IAKzt: Height: NApsf NApsf	A nph A NA NA ft		Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res.	PP Deflection in loc L/defl L/# VERT(LL): 0.001 K 999 48 VERT(CL): 0.001 K 999 36 HORZ(LL): 0.001 K HORZ(LL): 0.002 B - Creep Factor: 2.0 Max TC CSI: 0.132	0 U 205 /- W* 109 /- U 205 /- M* 149 /- W Brg Wid = U Brg Wid =	y Non-Gravity - /Rh /Rw /U /RL /- /- /- /- /- /- /- /- :32.0 Min Req = - :5.5 Min Req = 1.5 :124 Min Ren = -
Load Duration: 1.00 Spacing: 24.0 " MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA			A	TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/0(0) Plate Type(s): WA\/F	Max BC CSI: 0.015 Max Web CSI: 0.052 VIEW Ver: 21.01.03A.0805.15	I, & U Foperp = 425psi. isted have forces less than 375#		
Lumber Top chord: 4x2 SP #1 Bot chord: 4x2 SP #1; Webs: 4x2 SP #3; Bracing Sheathing is required forces. All connections designer. Fasten rated sheathin	; for any les to be d g to one	ongituc esigne face o	dinal(drag) d by the bu f this frame	uilding e.				
Plating Notes All plates are 1.5X3 e: Purlins In lieu of structural pa to laterally brace chor Chord Spacing(ir	ccept as nels or ri ds as foll n oc)	noted. igid cei lows: Start(ft	ling use pu) End(ft	urlins)		M.H. Koling		
TC 120 BC 120 Apply purlins to any cl at 24" OC unless show Additional Notes See detail STRBRIBR recommendations.	nords ab wn other 1014 for	0.19 0.19 love or wise at	13.31 13.31 below filler bove. ng and brid	rs ging	*	NO. 70861		
Truss must be installe	d as sho	own wit	h top chore	d up.	COA #027	VORIDA ENGINE	ET 1000	
IMPORT/ Trusses require extrem Component Safety Info bracing per BCSI. Unla attached rigid ceiling. I as applicable. Apply drawings 160A-Z for Si Abine o di dicisio of IT	**WAR ANT F ne care in crmation cost noted ocations blates to andard p	RNING* URNIS n fabric , by TP d other s show each fa plate po	** READ SH THIS D cating, han 1 and SBC wise, top c n for perm. ace of trus ositions. R	AND FO RAWING dling, sh A) for sa hord sha anent lat s and po efer to jo	LLOW ALL NOTES ON THIS E G TO ALL CONTRACTORS IN Jpping, installing and bracing. I fety practices prior to performin all have properly attached struct eral restraint of webs shall have sition as shown above and on the b's General Notes page for add	RAWING! CLUDING THE INSTALLERS Refer to and follow the latest edition g these functions. Installers shall ural sheathing and bottom chord so bracing installed per BCSI section he Joint Details, unless noted oth titonal information.	pn of BCSI (Buildir provide temporan shall have a proper ns B3, B7, or B10, erwise. Refer to	

Truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing are page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org







Cracked or Broken Member Repair Detail

Load Duration = 0%

This drawing specifies repairs for a truss with broken chord or web member.

This design is valid only for single ply trusses with 2x4 or 2x6 broken members. No more than one break per chord panel and no more than two breaks per truss are allowed. Contact the truss manufacturer for any repairs that do not comply with this detail.

- (B) = Damaged area, 12" max length of damaged section
- (L) = Minimum nailing distance on each side of damaged area (B)
- (S) = Two 2x4 or two 2x6 side members, same size, grade, and species as damaged member. Apply one scab per face. Minimum side member length(s) = (2)(L) + (B)

Scab member length (S) must be within the broken panel.

Nail into 2x4 members using two (2) rows at 4" o.c., rows staggered. Nail into 2x6 members using three (3) rows at 4" o.c., rows staggered.

Nail using 10d box or gun nails (0.128"x3", min) into each side member.

The maximum permitted lumber grade for use with this detail is limited to Visual grade #1 and MSR grade 1650f.

This repair detail may be used for broken connector plate at mid-panel splices.

This repair detail may not be used for damaged chord or web sections occurring within the connector plate area.

Broken chord may not support any tie-in loads.

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Glenview, IL 60025



			Maximum Member Axial Force			
Member	Size	L	SPF-C	HF	DF-L	SYP
Web Only	2×4	12″	620#	635#	730#	800#
Web Only	2×4	18″	975#	1055#	1295#	1415#
Web or Chord	2×4	244	975#	1055#	1495#	1745#
Web or Chord	2×6	_ ∠4	1465#	1585#	2245#	2620#
Web or Chord	2×4	20#	1910#	1960#	2315#	2555#
Web or Chord	2×6	30	2230#	2365#	3125#	3575#
Web or Chord	2×4	36"	2470#	2530#	2930#	3210#
Web or Chord	2×6	50	3535#	3635#	4295#	4745#
Web or Chord	2×4	10/	2975#	3045#	3505#	3835#
Web or Chord	2×6	2×6 42*		4500#	5225#	5725#
Web or Chord	2×4	10"	3460#	3540#	4070#	4445#
Web or Chord	2x6	40	5165#	5280#	6095#	6660#

Member forces may be increased for Duration of Load



24.0″ MAX

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

STRONGBACK BRIDGING RECOMMENDATIONS



Commentary: Deflection and Camber

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

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

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

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

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

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

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

L = Span of Truss (inches)

D = Depth of Truss at Deflection Point (inches)

Recommended Truss Deflection Limits

re applied.	<u>Truss Type</u>	<u>L/D</u>	<u>Deflection</u>	<u>n Limits</u>		
ainage to avoid ponding on flat or ifs	Pitched Roof Thusses	24	Live Load	<u>Total Load</u>		
for different deflection						
cs between adjacent trusses.	Trusses	24	L/360 (Vertical)	L/240 (Vertical)		
earance of garage door headers ng spans that can appear to "sag."	Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)		
in roof ridgelines at the transition Ile to adjacent clear span trusses.	Residential Floor Trusse	es 24	L/360 (vertical)	L/240 (vertical)		
ANSI/TPI 1 the Building Designer,	Commercial Floor Trusses		L/480 (vertical)	L/240 (vertical)		
ruction Documents, shall provide the and magnitude of all loads attributable	Scissors Trusses	24	0.75" (horizontal)	1.25" (horizontal)		
ay occur due to the design of the roof he Building Designer shall also specify load, and in-service creep deflection or low-slope roofs subject to ponding	<u>Truss Type</u> Pitched Trusses	<u>Recommended Camber</u> 1.00 × Deflection from Actual Dead Load				
ber is dependent on the truss type,	Sloping Parallel 1.5 Chord Trusses Ad		1.5 x Vertical Deflection from Actual Dead Load			
cation, etceteras.	Floor Trusses (0.2		:0.25 x Deflection from Live Load) +			
nits for allowable deflection and (L/D) may be required to help		Αςτμαί				
	Flat Roof Trusses (0. (1.)		(0.25 x Deflection from Live Load) + (1.5 x Design Dead Load Deflection)			
s are provided as guidelines for and estimating camber. Conditions or nat require exceeding these r past experience may warrant using tations.	Note: The actual dead the design dead	load ma load.	y be considerably l	ess than		
MEMARNINGING READ AND FOLLOW ALL NOTES ON THIS DRAVING MEINPORTANTER FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE I	INSTALLERS NO. 70801			REF DEFLEC/CAMB		
inusses require extreme care in rabricating, nanauing, shipping, instailing and prac follow the latest edition of BCSI (Building Component Safety Information, by TPI and practices prior to performing these functions. Installers shall provide temporary Unless noted otherwise, top chord shall have properly attached structural sheath	Ing. Refer to and I SBCA) for screty bracing per BCSI ing and bot on chord			DATE 10/01/14		
shall have a properly attached rigid celling. Locations shown for permanent latera shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply p log truss and position as shown above and on the Joint Details, unless noted other	l restraint of webs lates to each face wise.					
Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation for any deviation for the standard state positions. Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation for the formation of the standard state of the state of t						
Tor any structure is the responsibility of the Building Besigner per ANSI/TPI 1 Sec.	COA#0208	0, _0, _				

Florida Certificate of Product Approval #FL 1999