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Site Information:	Page 1:
Customer: Seminole Trusses, Inc.	Job Number: B53333AA
Job Description: Chandler & Yates Res	
Address: Lake Jeffrey Rd, LAKE CITY, FL	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res	IntelliVIEW Version: 20.02.00A
	JRef #: 1X4Z8570001
Wind Standard: ASCE 7-16 Wind Speed (mph): 140	Design Loading (psf): 37.00
Building Type: Closed	

This package contains general notes pages, 22 truss drawing(s) and 6 detail(s).

ltem	Drawing Number	Truss	Item	Drawing Number	Truss
1	119.21.1058.43171	ATIC1	2	120.21.0953.09897	ATICG1
3	120.21.0952.22517	ATICG2	4	119.21.1248.40707	FTG1
5	119.21.1248.32757	FTG2	6	119.21.1248.24237	FTG3
7	119.21.1248.15180	FTG4	8	119.21.1058.43608	GE1
9	119.21.1058.43452	GE10	10	119.21.1058.43514	GE7
11	119.21.1058.43233	GE8	12	119.21.1058.43202	GE9
13	119.21.1058.43358	GEG1	14	119.21.1058.43389	GEG2
15	119.21.1058.43577	M1	16	119.21.1058.43170	M4
17	119.21.1058.43545	T-1	18	119.21.1058.43264	T-2
19	119.21.1058.43420	T-3	20	119.21.1058.43295	T-4
21	119.21.1058.43483	TG-1	22	119.21.1058.43327	TG-2
23	A14030ENC160118		24	CNNAILSP1014	
25	GBLLETIN0118		26	PB160160118	
27	PB180160118		28	REPCHRD1014	

## **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; www.iccsafe.org.
- 3. Alpine, a division of ITW Building Components Group Inc.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; <u>www.alpineitw.com</u>.
- 4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
- 5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.



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.



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

SEQN: 62432	ATIC	Ply: 3	3	Job Nur	nber: B53333AA			Cust: R 857 JRef: 1	X4Z8570001 T21
FROM: RNB		Qty: 4	4	Chandle	r & Yates Res			DrwNo: 120.21.09	53.09897
Page 1 of 2				Truss L	abel: ATICG1			SSB / WHK	04/29/2021
	>	\$	<u> </u>	Complete	e Trusses Required				
				<b>⊦</b>	3'9"14 6'10" 10'10"14	19'1"2 23'2" 26'2'	<sup>12</sup> 30'		
					3914 302 4014	82'4 40'14 30'2	2 3914		
				ŀ		1*13			
					≢6X12(**) Ⅲ2X4	Ш2X4 ≋6X12(**) Ш2X4 то Ш2X4			
		Т	Ŧ		=3X6 G F	H 13 I ≡3X6		Ŧ	
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			ŀ	-1'6"	2'11"14	16'8'42'11	"10 3'8"2 1'6"	-1	
					3'8"2 ' 6'8" '	23'4'4 26'3	"14 ' 30' '	•	
Loading Criteria (psf)	Wind C	Criteria	1 00		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum R	eactions (lbs)	Non Crowity
TCLL: 20.00	Speed	5td: A 140 r	SCE 7-16 mph		Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc R+ /R-	y - /Rh /Rv	v /U /RL
BCLL: 0.00	Enclos	ure: Clo	osed		Lu: NA Cs: NA	VERT(CL): 0.451 Q 790 240	Y 5845 /-	/- /363	3 /387 /-
BCDL: 10.00	Risk Ca	ategory	/:    		Snow Duration: NA	HORZ(LL): -0.191 K	Z 7325 /-	/- /363	3 /271 /-
Des Ld: 37.00	Mean H	eiaht:	15.56 ft			HORZ(TL): 0.351 K	Wind reactions	based on MWFR	3 200 - 2.8
NCBCLL: 0.00	TCDL:	4.2 psf	F		Building Code:	Creep Factor: 2.0	Z Brg Width	= 3.5 Min F	teq = 2.8 teq = -
Soffit: 2.00	BCDL:	6.0 psf	f Ilal Diat: 0	to h/2	TPI Std: 2014	Max FC CSI: 0.755	Bearings Y & Z	Z Fcperp = 425psi.	
Spacing: 24.0 "	C&C D	ist a: 3.	.00 ft	10 11/2	Rep Fac: Yes	Max Web CSI: 0.345	Members not li	isted have forces le	ess than 375#
	Loc. fro	om end	wall: not in	n 9.00 ft	FT/RT:20(0)/0(0)		Chords Tens.	Comp. Chords	Tens. Comp.
	Wind D	GCpi:	: 0.18 p: 1.60		Plate Type(s):	VIEW Ver: 20.02.004.1020.20	B-C 160	)-2586 H-I	1239 - 22
Lumber	Wind D	Julation	1. 1.00		Plating Notes	VIEW Vel. 20.02.00A. 1020.20	C-D 132	2 - 2991 I - J	749 0
Top chord: 2x8 SP SS	Dense:	; T3 2x4	4 SP #1;		(**) 3 plate(s) require speci	al positioning. Refer to	D-E 128 F-F 140	3-2981 J-K )-2140 K-I	79 - 1712 111 - 3078
Bot chord: 2x10 SP S	S Dense	; B1 2>	x10 SP #2	;	scaled plate plot details for	special positioning	F-G 704	-7 L-M	115 - 3102
Webs: 2x4 SP #1, Webs: 2x4 SP #3; W3	3,W7 2x4	4 SP #1	1;		Plates sized for a minimum	of 3 50 sq in /piece	G - H 1239	) - 22 M - N	105 - 3179
Nailnote						· · · · · · · · · · · · · · · · · · ·	Maximum Bot	Chord Forces Pe	r Plv (lbs)
Nail Schedule:0.128"x	(3". min.	nails			Purlins	use surfice to bross all flat	Chords Tens.	Comp. Chords	Tens. Comp.
Top Chord: 1 Row @	12.00" o	.c.			TC @ 24" oc.	use purins to brace all hat	B-U 1955	-116 R-Q	1868 - 77
Webs :1 Row @	4.00 0.0 4" o.c.	<b>C.</b>			Collar-tie braced with contin	nuous lateral bracing at 24"	U-T 1944	-116 Q-P	2353 - 74
Repeat nailing as eac	h layer is	s applie	ed. Use eq	ual b.row	oc. or rigid ceiling.		I-S 1944 S-R 1868	⊧-116 P-N 8 -77	2358 - 74
to avoid splitting.		igger n			Wind				
Special Loads					Wind loads and reactions b	based on MWFRS.	Maximum We	b Forces Per Ply (	(lbs)
(Lumber Dur.Fac	.=1.25 /	Plate D	Dur.Fac.=1	.25)	Wind loading based on bot	higable and hip roof types.	webs rens.	Comp. webs	Tens. Comp.
TC: From 40 plf at	-1.89	9 to 4	40 plf at	31.89	Martin 1	M. TO	C-U 0 F-S 1284	)-719 W-X	98 - 3056 549 - 30
PLT: From 26 plf at	6.98	3 to 2	26 plf at	10.46	Safe View	CENSAL	F-V 99	-3108 X-J	101 - 3101
PLT: From 20 plf at	10.46	Sto 2 4 to 2	20 plf at 26 plf at	19.54 23.02	13/1	the local states	G-V 614	-15 Q-K	1837 - 47
PLT: From 100 plf at	6.98	3 to 10	00 plf at	23.02		70861	v-vv 90	- 3030 Q - M	10 -730
BC: From 5 plf at BC: From 20 plf at	t -1.89 t 0.00	9 to 0 to 2	5 plf at 20 plf at	0.00					
BC: From 5 plf at	t 30.00	0 to	5 plf at	31.89	「「「「「」」「「」」				
BC: 1892 lb Conc. Lo BC: 105 lb Conc. Lo	oad at 6 oad at 6	5.81 5.98				TATA OLA			
BC: 330 lb Conc. Lo	oad at 7	7.77, 9.3	77,11.77,1	3.77					
BC: 1315 lb Conc. Lo	oad at 23	3.02			CALL STREET	ORIO			
BC: 878 lb Conc. Lo	oad at 23	3.77,25	5.77,27.77		SS SS	VONIAL ENG			
					COA #0 27	With and a state with the state of the state			
					04/30/2	021			
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**IMPORTA	ANT**	URNIS	SHITHISC	RAWING	TO ALL CONTRACTORS INC	LUDING THE INSTALLERS	(000) /5		
Component Safety Info	ne care i prmation	n tabric	cating, har I and SBC	idling, shi XA) for sa	pping, installing and bracing. R fety practices prior to performing	kerer to and follow the latest edition these functions. Installers shall p	ot BCSI (Buildin rovide temporar	ng V	
pracing per BCSI. Unle	ess noted	a other	wise, top o	cnord sha	III nave properly attached structu	iral speatning and bottom chord sha	ali nave a proper	ny	

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/TP1 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TP1 1 Sec.2.



SEQN: 62432	ATIC	Ply: 3	Job Number: B53333AA		Cust: R 857 JRef: 1X4Z8570001 T21			
FROM: RNB		Qty: 4	Chandler & Yates Res		DrwNo: 120.21.0953.09897			
Page 2 of 2			Truss Label: ATICG1		SSB / WHK 04/29/2021			
Bearing Block(s)			•					
Brg blocks:0.128": brg x-loc #block 2 29.708' 1 Brg block to be sa Refer to drawing 0	Brg blocks:0.128"x3", min. nails brg x-loc #blocks length/blk #nails/blk wall plate 2 29.708' 1 12" 4 SPF Standard Brg block to be same size and species as chord. Refer to drawing CNNAILSP1014 for more information.							
It is the responsibil Truss Fabricator to cutting lumber to v dimensions and lo plans/specification	It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data,including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout							



\*\*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: 63292 FROM: RNB	ATIC Ply: 4 Qty: 2	Job Number: B53333AA Chandler & Yates Res		Cust: R 857 JRef: 1X4Z8570001 T3 DrwNo: 120.21.0952.22517
Page 1 of 2		Truss Label: ATICG2		SSB / WHK 04/29/2021
	<b>4</b>	Complete Trusses Required		
		<u>39'14</u> + 6'10' + 10'10'14 39'14 + 30'2 + 40'14 → 11'10'3	19112 + 232'6 + 26' 82'4 + 4'1'4 + 2'11	2 <sup>-2</sup> 1 <sup>-112</sup> 1+ <u>30'</u> 39'14 H
	+ + + - - - - - - - - - - - - -	=5X6 10 12 ≠36 €X6 10 2 ≠36 €X6 10 2 ≠36 €X6 10 2 ± 12 ± 15 ± 12 ± 15 ± 12 ± 15 ± 12 ± 15 ± 12 ± 15 ± 12 ± 15 ± 12 ± 15 ± 12 ± 15 ± 12 ± 15 ± 12 ± 15 ± 15	B2 B2 B2 B2 B2 B2 B2 B2 B2 B2	$rac{1}{2}$
		+ <sup>16*</sup> - + <u>3'8*2</u> - + <u>3'0*8</u> 3'8*2 - + <u>3'0*8</u> - +	16'7'2 30 23'3'12 26'	<u><sup>1</sup>/2 + 38°2 + 16° +</u>
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in Ps	SF) Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00	Wind Std: ASCE 7-16 Speed: 140 mph	Pg: NA Ct: NA CAT: Pf: NA Ce: NA CAT:	NA PP Deflection in loc L/defl L/#	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.453 Q 787 240	Y 7771 /- /- /- /513 /-
3CDL: 10.00	Risk Category: II EXP: B Kzt: NA	Snow Duration: NA	HORZ(LL): -0.183 K	Z 9594 /- /- /- /462 /-
Des Ld: 37.00	Mean Height: 15.00 ft	Building Code:		Y Brg Width = $3.5$ Min Reg = $3.0$
Soffit: 2.00	TCDL: 4.2 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.796	Z Brg Width = 3.5 Min Req = -
Load Duration: 1.25	MWFRS Parallel Dist: 0	0 to h/2 TPI Std: 2014	Max BC CSI: 0.681	Bearings Y & Z Fcperp = 425psi.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.424	Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not i	in 9.00 ft FT/RT:20(0)/0(0)		Chords Tens.Comp. Chords Tens. Comp
	GCpi: 0.18	Plate Type(s):	VIEW Vor 20.02.004 1020 20	B-C 165-2607 H-L 1330 - 13
Lumber	Wind Duration. 1.60	WAVE, HS	VIEW Vei: 20.02.00A.1020.20	C-D 184-2975 I-J 831 - 100
Top chord: 2v8 SD SS	C Donco: T2 2v4 SD #1.	(**) 4 plate(s) require	special positioning. Pofer to	D-E 188-2967 J-K 74-1675
Bot chord: 2x10 SP #2	2; B2 2x10 SP SS Dense	e; scaled plate plot deta	ils for special positioning	E-F 144-2204 K-L 188-3031 E-G 800-100 L-M 186-3220
B3 2x4 SP #1;		requirements.		G-H 1330 - 137 M-N 173 - 317
Webs: 2x4 SP #3; W3	3,W7 2x4 SP #1;	Plates sized for a min	imum of 3.50 sq.in./piece.	
Nailnote		Purlins		Maximum Bot Chord Forces Per Ply (lbs)
Nail Schedule:0.128">	k3", min. nails	In lieu of structural pa	nels use purlins to brace all flat	Chords Tens.Comp. Chords Tens. Comp.
Top Chord: 1 Row @ Bot Chord: 1 Row @	2 50" o.c.	TC @ 24" oc.		B - U 1976 - 121 R - Q 1847 - 104
Webs :1 Row @	4" o.c.	Collar-tie braced with	continuous lateral bracing at 24"	U-T 1967 - 122 Q-P 2358 - 131
Repeat nailing as eac	h layer is applied. Use ed	qual oc. or rigid ceiling.		I-S 1967 -122 P-N 2365 -132 S-R 1847 -104
to avoid splitting.	s and stagger halls in eac	Wind		
In addition, apply (1) (	0.22"-0.25" min/max dia.	X 6.0" Wind loads and react	ions based on MWFRS.	Maximum Web Forces Per Ply (lbs)
length wood screw at	each joint location.	Wind loading based o	on both gable and hip roof types.	Webs Tens.Comp. Webs Tens. Comp
Special Loads		1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 - 1979 -	AM H. KANN	C-U 68-675 I-X 553-34
(Lumber Dur.Fac	.=1.25 / Plate Dur.Fac.=1	1.25)	Y SENO	E - S 2132 - 194 X - J 244 - 3149
TC: From 40 plf at	t -1.89 to 40 plf at	31.89	CENOR CE	F-V 244-3154 Q-K 2226 -193
PLT: From 26 plf at	t 6.98 to 26 plf at	10.46		G-V 595 -36 Q-M 43 -766 V-W 240-3103 P-M 44 -496
PLT: From 20 plf at	t 10.46 to 20 plf at	19.54	No. 70861 🗸 🔮	W - X 240 - 3103
PLI: From 26 pir at PLT: From 100 plf at	t 19.54 to 26 pir at t 6.98 to 100 plf at	23.02		
BC: From 5 plf at	t -1.89 to 5 plf at	0.00		
BC: From 20 plf at BC: From 5 plf at	t 0.00 to 20 plf at t 30.00 to 5 plf at	30.00	STATE OF	
BC: 3209 lb Conc. L	oad at 6.81			
BC: 105 lb Conc. Lo	oad at 6.98	19.77	CALORIO A	
15.77.17.77.19.77.21.	.77	13.77	SPC - NGL M	
BC: 1716 lb Conc. L	oad at 23.02	COA	10 278 UNAL ELIMINE	
BC: 1685 lb Conc. Lo BC: 1127 lb Conc. Lo	oad at 23.77 oad at 25.77 27.77		1/20/2021	
20. 1121 10 00110. E	ui	04	4/30/2021	
			HS DRAWING!	
**IMPORT	ANT** FURNISH THIS	DRAWING TO ALL CONTRACTOR	S INCLUDING THE INSTALLERS	
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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 BS, BZ, 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-2 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 ANSUTP1 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 ANSUTP1 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 63292	ATIC	Ply: 4	Job Number: B53333AA	Cust: R 857 JRef: 1X4Z8570001 T33			
FROM: RNB		Qty: 2	Chandler & Yates Res	DrwNo: 120.21.0952.22517			
Page 2 of 2			Truss Label: ATICG2	SSB / WHK 04/29/2021			
Bearing Block(s)							
Brg blocks:0.128"x3", min. nails							

brg x-loc #blocks length/blk #nails/blk wall plate 2 29.708' 1 12" 6 SPF Standard Brg block to be same size and species as chord. Refer to drawing CNNAILSP1014 for more information.

Blocking

Apply additional nailing over the following bearings with fasteners at 4" oc both perpendicular and parallel to grain. In lieu of additional nailing, apply blocking reinforcement to Bearing 2 located at 29.7' (blocking >= 3.50" if used)

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



04/30/2021

\*\*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: 63280 FROM: RNB	FLAT	Ply: 2 Qty: 1	Job Number: B53333AA Chandler & Yates Res		Cust: R 857 JRef: 1X4Z8570001 T15 DrwNo: 119.21.1248.40707			
Complete Trusses Required								
				$\begin{array}{c} 4 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $				
			+	3'2"8				
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind C Wind S Speed Enclos Risk C EXP: E Mean I TCDL: BCDL: BCDL: MWFR C&C E Loc. fre	Criteria Std: ASCE 7-16 I: 140 mph sure: Closed ategory: II 3 Kzt: NA Height: 15.09 ft 4.2 psf 6.0 psf 8S Parallel Dist: 0 Dist a: 3.00 ft om endwall: Any GCpi: 0.18	Snow Criteria       (Pg,Pf in PSF)         Pg: NA       Ct: NA         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: No         FT/RT:20(0)/0(0)         Plate Type(s):	<ul> <li>Defl/CSI Criteria</li> <li>A PP Deflection in loc L/defl L/# VERT(LL): 0.001 A 999 360 VERT(CL): 0.002 A 999 240 HORZ(LL): -0.002 A HORZ(TL): 0.003 A Creep Factor: 2.0 Max TC CSI: 0.209 Max BC CSI: 0.081 Max Web CSI: 0.076</li> </ul>	▲ Maximum Reactions (Ibs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D 559 /- /- /- /69 /- C 495 /- /- /- /61 /- Wind reactions based on MWFRS D Brg Width = - Min Req = - C Brg Width = - Min Req = - Members not listed have forces less than 375#			
Lumber	Wind E	Duration: 1.60	WAVE	VIEW Ver: 20.02.00A.1020.20	J			
Top chord: 2x6 SP #1 Bot chord: 2x6 SP #1; Webs: 2x4 SP #3; Nailotte Nail Schedule:0.128"x Top Chord: 1 Row @ Bot Chord: 1 Row @ Webs : 1 Row @ Use equal spacing bet in each row to avoid s (1) 1/2" bolts may be to (2) 0.128"x3", min. nail Either The Top or Bott	Lumber       It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data,including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.         Nailnote         Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @ 7.25" o.c. Bot Chord: 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting. (2) 0.128"x3", min. nails on							
Special Loads (Lumber Dur.Fac. TC: From 54 plf a BC: From 20 plf a TC: 588 lb Conc. Lo BC: 228 lb Conc. Lo	=1.25 / at 0. at 0. bad at 1 bad at 1	Plate Dur.Fac.=1 00 to 54 plf at 00 to 20 plf at 1.48 1.48	1.25) 3.21 3.21 3.21	AM H. FR				
Plating Notes Plates sized for a mini Hangers / Ties (J) Hanger Support Re Wind Wind loads and reacti End verticals exposed meets L/180.	mum of equired, ons bas to wind	f 3.50 sq.in./piece by others sed on MWFRS. I pressure. Deflec	e. ction COA #02 04/30	No. 70861 STATA OL SORIDA SORIDA SONAL ENGINE	~			
**IMPORTA Trusses require extrem Component Satety Info bracing per BCSI. Unle attached rigid ceiling. I as applicable. Apply of drawings 160A-2 for st Appine, a division of IT	**WAI	RNING** READ FURNISH THIS L in fabricating, har , by TPI and SBC ed otherwise, top c s shown for perm o each face of trus plate positions. R ing Components (	DAND FOLLOW ALL NOTES ON THIS DRAWING TO ALL CONTRACTORS I noting, shipping, installing and bracing. CA) for safety practices prior to perform chord shall have properly attached stru- nanent lateral restraint of webs shall has se and position as shown above and or kefer to job's General Notes page for a Group Inc. shall not be responsible for condition.	S DRAWING! NCLUDING THE INSTALLERS Refer to and follow the latest edition ing these functions. Installers shall p citural sheathing and bottom chord shi we bracing installed per BCSI sections to the Joint Details, unless noted other dditional information. any deviation from this drawing, any for incord theorem.	of BCSI (Building rovide temporary all have a property s B3, B7, or B10, wise. Refer to ailure to build the reacrossing and			

Itruss 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/TPL1 Séc.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 62354	FLAT	Ply: 2	Job Nu	nber: B53333AA			Cust: R 857 JRef: 1X4Z8570001 T22
FROM: RNB Page 1 of 2		Qty: 1	Chandle Truss L	r & Yates Res abel: FTG2			DrwNo: 119.21.1248.32757 SSB / WHK 04/29/2021
			`omplot				00D / WIIK 04/20/2021
			ompieu	riusses Requireu			
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				- <u>3'0"12</u>			
				≡4X4 A	<sup>   2X4</sup> ≡4X4 <sub>C</sub>		
				T III			
				III3X6 ≡	⊧H0308 III3X6		
				k			
					<u></u>		
Loading Criteria (pcf)	Wind (	Criteria		Snow Criteria (Pa Pf in PSE)	Defl/CSI Criteria	▲ 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/#	Gravit	Non-Gravity
TCDL: 7.00	Speed: Enclos	: 140 mph sure: Closed		Pf: NA Ce: NA	VERT(LL): 0.015 B 999 360		· /Rh /RW /U /RL
BCDL: 10.00	Risk C	ategory: II		Snow Duration: NA	HORZ(LL): 0.001 A	F 1892 /- D 1968 /-	/- /- /311 /- /- /- /323 /-
Des Ld: 37.00	EXP: E	3 Kzt: NA Height: 15.09.ft			HORZ(TL): 0.001 A	Wind reactions	based on MWFRS
NCBCLL: 0.00	TCDL:	4.2 psf		Building Code:	Creep Factor: 2.0	D Brg Width	= - Min Req = - = - Min Req = -
Load Duration: 1.25	BCDL:	6.0 psf	to h/2	TPI Std: 2014	Max BC CSI: 0.103	Members not li	sted have forces less than 375#
Spacing: 24.0 "	C&C D	)ist a: 3.00 ft	1011/2	Rep Fac: No	Max Web CSI: 0.403	Webs Tens.	Comp. Webs Tens. Comp.
	Loc. fro	om endwall: Any GCpi: 0.18		FT/RT:20(0)/0(0) Plate Type(s):		A - F 129	- 820 E - C 769 - 125
	Wind D	Duration: 1.60		WAVE, HS	VIEW Ver: 20.02.00A.1020.20	A-E 744	-121 C-D 134 -853
Lumber				It is the responsibility of the	Building Designer and	'В-Е 147	- 1000
Top chord: 2x6 SP #1 Bot chord: 2x6 SP #1:	;			cutting lumber to verify that	all data,including		
Webs: 2x4 SP #3;				dimensions and loads, conf plans/specifications and fat	form to the architectural pricators truss layout.		
Nailnote							
Nail Schedule:0.128"x	3", min.	. nails					
Bot Chord: 1 Row @	9.00" o.	.C.					
Webs 1 Row @ 4 Use equal spacing be	4" o.c. tween ra	ows and stagger n	nails				
in each row to avoid s	plitting.						
(1) 1/2 bond nuy bond (2) 0.128"x3", min. na	ils on						
Either The Top or Bot		oras.					
Special Loads	_1 25 /	Ploto Dur Eco -1	25)				
TC: From 27 plf a	at 0.	00 to 27 plf at	1.06	Martin IA	Ko M		
TC: From 608 plf a	at 1.0 at 5.∘	06 to 608 plf at .06 to 27 plf at	5.06 6.00	sure le ser	CENSALO		
BC: From 10 plf a	at 0. oad at 1	00 to 10 plf at	6.00	<b>S</b> / Y			
Disting Nates	Jud ut .			🗐 🚪 🚺 N	0.70861		
Plates sized for a mini	imum of	i 3.50 sa.in./piece.	_				
Wind					TATE OF		
Wind loads and reacti	ons bas	ed on MWFRS.			ATIS		
End verticals exposed	to wind	I pressure. Deflect	tion	0	ORIDA		
meets L/ 180.				SS.	CALAL ENGINE		
				COA #0 278	WAL CONAL CONTRACTOR		
				04/30/202	21		
**IMPORT	**WAF	READ		LLOW ALL NOTES ON THIS DE	RAWING! LUDING THE INSTALLERS		
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bracing per BCSI. Unle attached rigid ceiling. I	ess note	d otherwise, top c	hord sha anent lat	Ill have properly attached structure eral restraint of webs shall have	ral sheathing and bottom chord sha bracing installed per BCSI sections	all have a proper B3. B7. or B10.	iy 🔶
as applicable. Apply p drawings 160A-Z for si	blates to andard	each face of trus plate positions. R	s and po efer to jo	sition as shown above and on the b's General Notes page for addit	e Joint Details, unless noted other tional information.	wise. Refer to	
Alpino a division of IT	W Build	ing Components (	Proup In-	a shall not be responsible for any	v doviation from this drawing any f	ailuro to build the	



FIGUR 100         Or         Or         Oracle Advances         Description         Description <thdescriptio< th=""><th>SEQN: 62354</th><th>FLAT</th><th>Ply: 2</th><th>Job Number: B53333AA</th><th>Cust: R 857 JRef: 1X4Z8570001</th><th>T22</th></thdescriptio<>	SEQN: 62354	FLAT	Ply: 2	Job Number: B53333AA	Cust: R 857 JRef: 1X4Z8570001	T22
Page 2 d         Total Label: FTG2         S80 / WM         0x28021           Hanger 7 Lew         S80 / WM         0x28021           Stription Construction: Hardwei is algo-Clear Labed on the thomage Table Share the Stription Share that thomage different connections that thomage different conneconnections that thomage	FROM: RNB		Qty: 1	Chandler & Yates Res	DrwNo: 119.21.1248.32757	
Hangar / Tele Simpar Creating in the National is specified based on the end of the International Interna	Page 2 of 2			Truss Label: FTG2	SSB / WHK 04/29/2021	
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(a) 0.145 <sup></sup>	support conditions Bearing F (0', 9'1 Supporting Mer	s: 0' 1"2) HGUS2 mber: (3)2x1	8-2 0 SP SS Dense			
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(*) <sup>0,0,46%</sup> while into supported interdise:	Bearing D (5'9", Supporting Mer (36) 0.148"x3" i member	9'1"2) HGU mber: (3)2x1 nails into su	S28-2 0 SP SS Dense ipporting			
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SEQN: 62361 FROM: RNB	FLAT	Ply: 2 Qtv: 2	Job Nur Chandle	nber: B53333AA r & Yates Res			Cust: R 857 JRef: 1X DrwNo: 119.21.124	(4Z8570001 T30 8.24237
			Truss La	abel: FTG3			SSB / WHK	04/29/2021
			omplete	e Trusses Required				
		ŕ						
				4'4"	8'8"			
				4'4*	4'4"			
					III2X4 ≡4X4 B C			
					<u>₽</u>			
				21115				
				11370	=3×10 ==3×6			
				<b>k</b>	- 8'8"			
				• <u>4'4"</u> • <u>4'4"</u>				
oading Criteria (psf)	Wind	Criteria		Snow Criteria (Po Pf in PSE)	Defl/CSI Criteria	▲ 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/#	Gravit	y N	Ion-Gravity
FCDL: 7.00	Speed	: 140 mph		Pf: NA Ce: NA	VERT(LL): 0.025 B 999 360	$\frac{\text{Loc} R+ / R}{2}$	<u>/ Rn / Rw</u>	/U /RL
BCLL: 0.00 BCDL: 10.00	Risk C	ategory: II		Lu: NA Cs: NA	VERT(CL): 0.045 B 999 240	F 2526 /-	-  -	/376 /- /386 /-
Des Ld: 37.00	EXP: E	B Kzt: NA			HORZ(TL): 0.003 A	Wind reactions	s based on MWFRS	,000 ,
NCBCLL: 0.00	Mean TCDL:	4.2 psf		Building Code:	Creep Factor: 2.0	F Brg Width	=- Min Re	eq = -
Soffit: 2.00	BCDL	6.0 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.379	Members not li	isted have forces les	eq = - ss than 375#
Load Duration: 1.25	MWFF	RS Parallel Dist: 0 t	to h/2	Rep Fac: No	Max Web CSI: 0.534	Maximum Top	Chord Forces Per	r Ply (lbs)
opaoling. 2 no	Loc. fr	om endwall: Any		FT/RT:20(0)/0(0)		Chords Tens.	Comp. Chords	Tens. Comp.
		GCpi: 0.18		Plate Type(s):	\//E\N/\/~~ 00.00.00A.4000.00	A-B 104	-720 B-C	104 - 720
Lumber	wina i	Juration: 1.60		WAVE Wind	VIEW Ver: 20.02.00A.1020.20	Maximum We	b Forces Per Ply (I	bs)
Top chord: 2x6 SP #1	:			Wind loads and reactions t	based on MWFRS.	Webs Tens.	Comp. Webs	Tens. Comp.
Bot chord: 2x6 SP #1;				End verticals exposed to w	ind pressure. Deflection	A - F 161	-1133 E-C	1169 - 169
Webs. 2x+ 01 #0,				meets L/180.		A-E 1169 B-E 160	⊭ - 169 C - D ) - 1410	163 - 1158
Nailnote	~?" min	noile		Additional Notes				
Top Chord: 1 Row @	5.00" c	. naiis ).C.		Truss must be installed as	shown with top chord up.			
Bot Chord: 1 Row @	9.75" o 4" o c	.C.		It is the responsibility of the Truss Eabricator to review	e Building Designer and this drawing prior to			
Use equal spacing be	tween r	ows and stagger n	ails	cutting lumber to verify that	t all data,including			
<ol> <li>each row to avoid s</li> <li>1/2" bolts may be u</li> </ol>	plitting. used for			dimensions and loads, con plans/specifications and fa	form to the architectural bricators truss layout.			
(2) 0.128"x3", min. na Either The Top or Bot	ils on tom Ch	orde			·			
		5105.			and the fifth life in a			
special Loads	-1 25 /	Plate Dur Fac -1	25)	A REAL PROPERTY.	M H. John			
TC: From 27 plf a	at 0.	00 to 27 plf at	1.40	and the second sec				
TC: From 608 plf a	at 1. at 7.	40 to 608 pir at 40 to 27 plf at	7.40 8.67	and the second	JUENSA C			
BC: From 10 plf a	at 0. Dadiat	.00 to 10 plf at	8.67	187				
	oudut				lo. 70861	_		
Plating Notes		12 50 cg in /pioco		<b>₩</b>				
Fidles Sized for a min	mumo	1 3.30 Sq.III./piece.						
Hangers / Ties	!	h			MAT IS			
(J) Hanger Support Ro	equirea,	by others		0.	ZORID			
Purlins				23	CNG MIL			
The TC of this truss sl spans at 24" oc in lieu	hall be t of strue	praced with attache ctural sheathing.	ed	COA #0 27	WAL Summer			
				04/30/2	021			
	**\#/#				PAWING			
**IMPORTA	***WA	FURNISH THIS D	RAWING	G TO ALL CONTRACTORS INC	CLUDING THE INSTALLERS			
russes require extrem	ne care	in fabricating, han , by TPI and SBC	dling, shi A) for sa	ipping, installing and bracing. F	Refer to and follow the latest edition these functions. Installers shall r	of BCSI (Buildin	ig V	
pracing per BCSI. Unle attached rigid ceiling	ess note	d otherwise, top c	hórð sha anent lat	Il have properly attached structu eral restraint of webs shall have	iral sheathing and bottom chord sh bracing installed per BCSI section	all have a proper B3, B7, or B10	ly ,	
as applicable. Apply p drawings 160A-Z for st	blates to tandard	plate positions. Re	s and po efer to jo	sition as shown above and on the	ne Joint Details, unless noted other itional information.	wise. Refer to	1	
	W Build	ing Components (		shall not be responsible for an	w doviation from this drawing any f	ailuro to build the	, <b>/</b> L	



SEQN: 63283 FROM: RNB	FLAT	Ply: 2 Qty: 1	Job Nur Chandle Truss L	nber: B53333AA r & Yates Res abel: FTG4			Cust: R 857 JRef:1X4Z8570001 T31 DrwNo: 119.21.1248.15180 SSB / WHK 04/29/2021
		20	Complete	e Trusses Required			I
					$\mathbb{B}$		
				<b>-</b> 	3'2"8		
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Lumber Top chord: 2x6 SP #1 Webs: 2x4 SP #3; Nailnote Nail Schedule:0.128" Top Chord: 1 Row @ Bot Chord: 1 Row @ Bot Chord: 1 Row @ Use equal spacing be in each row to avoid s (1) 1/2" bolts may be f (2) 0.128"x3", min. na Either The Top or Bot	Wind G Speed Enclos Risk C EXP: E Mean TCDL: BCDL: MWFF C&C E Loc. fn Wind I ; ; ; ; ; ; ; ; ; ; ; ;	Criteria Std: ASCE 7-16 : 140 mph sure: Closed iategory: II 3 Kzt: NA Height: 15.09 ft 4.2 psf 6.0 psf 8S Parallel Dist: 0 Dist a: 3.00 ft om endwall: Any GCpi: 0.18 Duration: 1.60	to h/2	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/0(0) Plate Type(s): WAVE Wind Wind loads and reactions to End verticals exposed to w meets L/180. Additional Notes Truss must be installed as It is the responsibility of the Truss Fabricator to review cutting lumber to verify that dimensions and loads, con plans/specifications and fall	Defl/CSI Criteria         PP Deflection in loc L/defl L/#         VERT(LL): 0.001 A 999 360         VERT(CL): 0.002 A 999 240         HORZ(LL): -0.002 A         HORZ(TL): 0.003 A         Creep Factor: 2.0         Max TC CSI: 0.210         Max BC CSI: 0.112         Max Web CSI: 0.077         VIEW Ver: 20.02.00A.1020.20         Dased on MWFRS.         rind pressure. Deflection         shown with top chord up.         e Building Designer and this drawing prior to t all data,including form to the architectural bricators truss layout.	▲ Maximum R Gravit Loc R+ /R- D 614 /- C 543 /- Wind reactions D Brg Width C Brg Width Members not li	eactions (Ibs) / Non-Gravity / Rh / Rw / U / RL /- /- /95 /- /- /83 /- s based on MWFRS =- Min Req = - =- Min Req = - sted have forces less than 375#
Special Loads (Lumber Dur, Fac TC: From 20 plf TC: 591 lb Conc. Li BC: 329 lb Conc. Li Plating Notes Plates sized for a min Hangers / Ties (J) Hanger Support R Purlins The TC of this truss s spans at 24" oc in lieu	:=1.25 / at 0. at 0. oad at imum of equired, hall be t u of struc	Plate Dur.Fac.=1. 00 to 54 plf at 00 to 20 plf at 1.48 1.48 f 3.50 sq.in./piece by others praced with attach ctural sheathing.	.25) 3.21 3.21	COA #0278 04/30/20	M.H. TORIDA ORIDA ONAL ENGINE	_	
**IMPORT/ Trusses require extren Component Safety Info bracing per BCSI. Unit	**WAI ANT** ne care ormatior ess note	RNING** READ FURNISH THIS D in fabricating, han , by TPI and SBC ed otherwise. to c	AND FO RAWING Idling, shi A) for sa	LLOW ALL NOTES ON THIS D 3 TO ALL CONTRACTORS INC pping, installing and bracing. F fety practices prior to performing II have property attached structure	RAWING! LUDING THE INSTALLERS Refer to and follow the latest edition these functions. Installers shall p trial sheathing and bottom chord shr	of BCSI (Buildir rovide temporar all have a proper	g Iv <b>A</b>

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-2 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: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 62487 /	GABL	Ply:	1	Job Nu	mber: B53333AA					Cust: R 857 JRef: 1X4Z8570001 T32
FROM: RNB		Qty:	2	Chandle Truce I	er & Yates Res					DrwNo: 119.21.1058.43608
				Truss L	abei: GEI					33B / WHK 04/29/2021
				15110	11'9"0		10'3"7	29'6" 4	20'	
				1512	10'2"13		6'6"15	10'2"13	+ 30 1'5"12	
				2'	10 1	<u> </u>	6'3"7 ———			
				' (TYP)			·			
		т	_	<del>  </del>	WA S	5X6 J	T2 // 5X6 K			T
		Ī			T					
					A					
				10						
		0.4"9 -		10		(a) <b>(</b> (a)	(a)			0'2
		=	-				(a)			
			s	€1 P		11.	+		₩3X4 Q	
			- -	B					B S SC2	
		1	_ +1 _//			8				
			III3X1	L 0(E5)		AC AB ≡3X6	AA		J V	Ŧ
				I-			201		-1	
				-			- 30'			
			- <sup>1'6"</sup> -	<b> -</b>	11'10"5 11'10"5	+	6'3"7 18'1"11	11'10"5 30'	- - <sup>1'6"</sup> -	
			L. (N	INL)					(NNL)	
			H	4+					H 4"H	
Loading Criteria (psf)	Wind	Criteria	a		Snow Criteria (Pg,Pf ir	n PSF)	Defl/CSI Criteria		▲ Maximum R	eactions (lbs), or *=PLF
TCLL: 20.00	Wind S	Std: A	ASCE 7-16		Pg: NA Ct: NA CA	AT: NA	PP Deflection in	loc L/defl L/#	Gravit	y Non-Gravity
TCDL: 7.00	Speed	: 140	mph Iosed		Pf: NA Ce	: NA	VERT(LL): 0.004	J 999 360		- / Rii / Rw / O / RL
BCLL: 0.00	Risk C	ategor	y: II		Lu: NA Cs: NA		VERT(CL): 0.008	3 J 999 240	S* 153 /- Wind reactions	/- /54 /- /7
Des I d: 37.00	EXP: E	3 Kzt	: NA				HORZ(TL): 0.002		S Brg Width	= 360 Min Reg = -
NCBCLL: 10.00	Mean	Height:	: 15.45 ft •f		Building Code:		Creep Factor: 2.0	-	Bearing B Fcpe	erp = 425psi
Soffit: 2.00	BCDL:	6.0 ps	sf		FBC 7th Ed. 2020 Res.		Max TC CSI: 0.	800	Members not li	isted have forces less than 375#
Load Duration: 1.25	MWFF	RS Para	allel Dist: 0	to h/2	TPI Std: 2014	Casa	Max BC CSI: 0.	107	Webs Tens.	Comp. Webs Tens. Comp.
Spacing: 24.0 "	C&C E	Dist a: 3	3.00 ft dwall: Anv		FT/RT:20(0)/0(0)	Case	Wax web CSI. 0.	302	J-AC 26	- 469 AA- K 0 - 467
	200.11	GCp	i: 0.18		Plate Type(s):					
	Wind [	Duratio	n: 1.60		WAVE		VIEW Ver: 20.02.0	00A.1020.20		
Lumber					Wind					
Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1	; T2 2x6	5 SP #'	1;		Wind loads based	on MWF	RS with additional	C&C		
Webs: 2x4 SP #3;					End verticals not e	xposed t	o wind pressure.			
Stack Chord: SC1 2x4	I SP #1 I SP #1	;			Wind loading base	d on bot	h gable and hip roo	f types.		
		,								
Bracing	rootroin	+	lly opposd							
member. Or 1x4 #3SF	RB SPF	-S or b	etter "T"	on						
reinforcement. 80% le	ngth of	web m	ember. Atta	ached						
	.113 X2	,חווז, כ	.,maiis @ 6	00.						
Plating Notes										
All plates are 2X4 exc	ept as r	noted.	a la tet							
Plates sized for a mini	in num of	0.50 5	sq.iii./piece	•		ALCONTRACT,	NA H	<b>b</b> .		
Loading						A/ M	to	ing and the second second		
Truss designed to sup	port 1-6	6-0 top	chord outle	ookers face	Sec. S	1.00	CENSAN	O'M		
and 24.0" span oppos	ite face	. Top c	hord must	not be	21		- / - e   •			
cut or notched, unless	specifi	ed othe	erwise.				70861			
chord live load in area	or 20 ps is with 4	r additi 2"-hiol	ional dotton n x 24"-wide	n Ə			. Pod X	1	-	
clearance.					<b>≣★</b> ±					
Purlins						S	TATE OF			
In lieu of structural par	nels use	e purlin	s to brace a	all flat				E .		
TC @ 24" oc.						A	ORID	A A		
+ Member to be latera	lly brac	ed for o	out of			223	IONIAL ENG	and the second se		
					COA	. #0 278	UNAL L'INNI			
					(	)4/30/20	)21			
	**WA	RNING	** RFAD		LLOW ALL NOTES ON	THIS DI	RAWING!			
**IMPORTA	NT**	FURN	SH THIS D	RAWIN	G TO ALL CONTRACTO		LUDING THE INST			
Component Safety Info	re care	in fabri	Pl and SBC	iuling, sh A) for sa	ipping, installing and bra fiety practices prior to pe	erforming	these functions.	ne latest edition	or BUSI (Buildin rovide temporar	iy Y
attached rigid ceiling. L	ocation	su othe	vise, top c	anent lat	eral restraint of webs sh	a structu all have	bracing installed pe	er BCSI sections	B3, B7, or B10,	, A A A A A A A A A A A A A A A A A A A
drawings 160A-Z for st	andard	plate p	ositions. R	s and po efer to jo	b's General Notes page	for addit	e Joint Details, Unitional information.	ess noted other	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: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org



AN ITW COMPANY

SEQN: 62487 /	GABL	Ply: 1	Job Number: B53333AA	Cust: R 857	JRef:1X4Z8570001	T32
FROM: RNB		Qty: 2	Chandler & Yates Res	DrwNo: 11	9.21.1058.43608	
Page 2 of 2			Truss Label: GE1	SSB / W	HK 04/29/2021	
A dditional blates						

#### 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). 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.

Refer to DWG PB160160118 for piggyback details.



04/30/2021

\*\*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: 62436 / FROM: RNB	GABL	Ply: 1 Qty: 1	Job Nui Chandle Truss L	n <b>ber:</b> B53333AA r & Yates Res <b>abel:</b> GE10			Cust: R 857 JRef: 1X4Z8570001 T20 DrwNo: 119.21.1058.43452 SSB / WHK 04/29/2021
				$\begin{vmatrix} 16^{\circ}1\\ 10^{\circ}12 \end{vmatrix}$ $\begin{vmatrix} 5^{\circ}5\\ 5^{\circ}5 \end{vmatrix}$ $\begin{vmatrix} 44^{\circ}\\ 29^{\circ}15 \end{vmatrix}$	+		
		-	<mark></mark>	A = 2X4(C6) = 3X6(C6)	=4X4 E G G H SC2 =3X6(C6) =3X6(C6)	ر∕_ ۲۰۰۰ - 31011	
					8'8"	-	
				(NNL)	8'8" (NNL)  +	' -+	
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: E Mean TCDL: BCDL: MWFF C&C E Loc. fr	Criteria Std: ASCE 7-16 I: 140 mph sure: Closed Closed Sategory: II 3 Kzt: NA Height: 19.11 ft 4.2 psf 6.0 psf S Parallel Dist: 0 Dist a: 3.00 ft om endwall: not ir GCpi: 0.18 Duration: 1.60	to h/2 n 3.56 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) Plate Type(s): WAVE	Defl/CSI Criteria           PP Deflection in loc L/defl L/#           VERT(LL):         0.002 L         999         360           VERT(CL):         0.004 L         982         240           HORZ(LL):         -0.001 L         -         -           HORZ(LL):         0.002 L         -         -           Creep Factor:         2.0         Max TC CSI:         0.225           Max BC CSI:         0.088         Max Web CSI:         0.029	▲ Maximum R Gravit Loc R+ / R H* 141 /- Wind reactions H Brg Width Bearing B Fcp Members not I	teactions (Ibs), or *=PLF y Non-Gravity - / Rh / Rw / U / RL /- /59 /25 /13 s based on MWFRS = 103 Min Req = - erp = 425psi. isted have forces less than 375#
Lumber Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 Stack Chord: SC2 2x4 Plating Notes	; 4 SP #1 4 SP #1	;				1	
All plates are 2X4 exc Plates sized for a mini	ept as r imum of	noted. f 3.50 sq.in./piece					
Loading Truss designed to sup and cladding load not and 24.0" span oppos cut or notched, unless	oport 1-6 to exce ite face specifi	6-0 top chord outlo ed 6.00 PSF one . Top chord must ed otherwise.	ookers face not be	- ALIVA			
Wind Wind loads based on member design. Wind loading based o	MWFR:	S with additional C gable and hip roof	C&C types.	ALLIA ANILIA	CENSE C		
Additional Notes See DWGS A14030E gable wind bracing ar Stacked top chord mu area (NNL). Attach sta dropped top chord in r tie-plates 24" oc. Ceni chord interface, plate length. Splice top chord	NC160 nd other ast NOT acked to notchab ter plate length p rd in nor	118 & GBLLETIN( r requirements. be notched or cut op chord (SC) to le area using 3x4 on stacked/dropp berpendicular to ct tchable area using	D118 for t in bed hord g 3x6.	COA #0278 04/30/20	CORIDA	-	
**IMPORTA Trusses require extrem Component Safety Info bracing per BCSI. Unle attached rigid ceiling. I as applicable. Apply drawings 160A-Z for st	**WA ANT** ormatior ess note ocatior blates to tandard	KNING** READ FURNISH THIS C in fabricating, har , by TPI and SBC ed otherwise, top c is shown for perm o each face of trus plate positions. R	AND FO DRAWING Adling, sh CA) for sa chord sha anent lat is and po lefer to jo	LLOW ALL NOTES ON THIS DI 3 TO ALL CONTRACTORS INC ipping, installing, and bracing. R fety practices prior to performing 11 have properly attached structu eral restraint of webs shall have sition as shown above and on th b's General Notes page for addit	XAWING! 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.	of BCSI (Buildir rovide temporar all have a prope B3, B7, or B10 wise. Refer to	



SEQN: 624	89 / 0	GABL	Ply: 1	Job Number: B	53333AA							C	ust: R 857	JRef:1X4	Z8570001	T12 <sup>`</sup>
FROM: RNI	В		Qty: 2	Chandler & Yate	s Res							D	rwNo: 119	.21.1058	43514	
				Truss Label: G	E7							S	SB / WH	к о	4/29/2021	I
					$\begin{array}{c c} & & & & \\ & & & & \\ & & & & \\ & & & & $	3333 2779 = 4 	++ 511 27 4X4 C 2X4 	0°12 /*9 D D D D D D D D D D D D D D D D D D D	+ <sup>6</sup> <sup>6</sup> <sup>6</sup> <sup>5</sup> <sub>7</sub> <sup>7</sup> <sup>9</sup> + <sup>7</sup> <sup>9</sup> + <sup>7</sup> <sup>9</sup> + <sup>7</sup> <sup>9</sup> + <sup>7</sup> <sup>9</sup> + <sup>6</sup> <sup>6</sup> <sup>6</sup> <sup>5</sup> <sup>5</sup>	-						
Loading C	niterie (	Win al C		C			D-41/001 0-	Itaria			lavimu	m Poa	ctions (lb	e) or *-		
	20.00	Wind S	Std: ASCE 7-16	Ba: N/		1 Ρ3Γ) ΔΤ· ΝΔ	PP Deflectiv	nena min loc	l/defl l/#		G	ravity		3, 01 = No	n-Gravit	v
TCDL:	7.00	Speed:	140 mph	Pf: NA		e: NA	VERT(LL)	0.000 F	999 360	Loc	; R+	/ R-	/ Rh	/Rw	/U /	RL
BCLL:	0.00	Enclos	ure: Closed	Lu: NA	Cs: NA		VERT(CL):	0.001 F	999 240		_	/-61	/-	/87	/93 /	/93
BCDL:	10.00	Risk Ca	ategory: II	Snow	Duration: NA		HORZ(LL):	0.001 F		B*	192	/-	, /-	/75	/38 /	1_
Des Ld: 3	37.00	EXP: B	Kzt: NA				HORZ(TL):	0.001 F		Е	-	/-61	/-	/30	/31 /	-
NCBCLL:	10.00	TCDI ·	1eignt: 15.45 ft 4 2 nsf	Buildin	g Code:		Creep Facto	or: 2.0		Wi	nd reac	tions b	ased on M	WFRS		
Soffit:	2.00	BCDL		FBC 7	th Ed. 2020 Res.		Max TC CS	l: 0.13	7	A	Brg W	Vidth =	5.2	Min Re	q = 1.5	
Lood Duro	tion: 1 2E			TPI St	d 2014		Max BC CS	I 0 04	0	в	BLG N	viatn =	03.2	win Ke	4 = -	

Lumber

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

Load Duration: 1.25

Spacing: 24.0 "

#### **Plating Notes**

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

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

#### Loading

Truss designed to support 1-6-0 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.

MWFRS Parallel Dist: 0 to h/2

GCpi: 0.18

C&C Dist a: 3.00 ft

Wind Duration: 1.60

Loc. from endwall: Any

## 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. Refer to DWG PB160160118 for piggyback details.



Max BC CSI: 0.040

Max Web CSI: 0.012

VIEW Ver: 20.02.00A.1020.20

Brg Width = 5.2

Bearings A, B, & E are a rigid surface.

Members not listed have forces less than 375#

Min Reg = 1.5

F

04/30/2021

TPI Std: 2014

FT/RT:20(0)/0(0)

Plate Type(s):

WAVE

Rep Fac: Varies by Ld Case

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SEQN: 62493 / FROM: RNB	GABL	Ply: 1 Qty: 10	Job Number: Chandler & Ya Truss Label:	B53333AA ates Res GE8							Cust: R 857 DrwNo: 119 SSB / WH	JRef:1X ).21.105 IK	<4Z8570001 8.43233 04/29/2021	T28
				<del>- 7"9</del> 7"9  -	3'8"10 3'1"1		6'9"11 3'1"1	<u>7'5"4</u> <u>7"9</u>						
			년 ●	10 12 B A		=4X4 C		9 W						
				5"7"9	3'1"1	- 6'2"2	3'1"1							
				<sup>1</sup> 7"9 <sup></sup>	3'8"10	-1- -	6'9"11	1 <sup>5"3</sup>						
Loading Criteria TCLL: 20.00 TCDL: 7.00	(psf) Wind Wind Spee	d Criteria I Std: ASCE 7-16 ed: 140 mph	Sno Pg: Pf: N	w Criteria (Pe NA Ct: NA NA	g,Pf in PSF) CAT: NA Ce: NA	Defl/CS PP Defl VERT(L	I Criteria ection in lo L): 0.000	c L/defl L/# F 999 36	▲ M 0 Loc	aximum R Gravit R+ / R	eactions (II y / Rh	<b>⊳s), or</b> * N ∕ Rw	*=PLF Non-Gravity /U/	, RL

TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.000 F 999 360	Loc R+ /R- /Rh	/Rw/U/RL
BCLL: 0.00	Enclosure: Closed Risk Category: II	Lu: NA Cs: NA	VERT(CL): 0.001 F 999 240	A - /-110 /- B* 200 /- /-	/111 /129 /107 /78 /43 /-
Des Ld: 37.00	EXP: B Kzt: NA Mean Height: 15.56 ft	Duilding Code:	HORZ(TL): 0.001 F	E - /-110 /- Wind reactions based on M	/10 / <del>1</del> 3 /- /52 /58 /-
NCBCLL: 10.00 Soffit: 2.00	TCDL: 4.2 psf BCDL: 6.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.109	A Brg Width = $5.2$ B Brg Width = $74.1$	Min Req = 1.5 Min Req = -
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft	TPI Std: 2014 Rep Fac: Varies by Ld Case	Max BC CSI: 0.051 Max Web CSI: 0.014	E Brg Width = 5.2 Bearings A. B. & E are a rig	Min Req = 1.5
	Loc. from endwall: Any GCpi: 0.18	FT/RT:20(0)/0(0) Plate Type(s):		Members not listed have for	prces less than 375#
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.02.00A.1020.20		

#### Lumber

Top chord: 2x4 SP SS Dense; 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.

#### Loading

Truss designed to support 1-6-0 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.

#### **Additional Notes**

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements. Refer to DWG PB160160118 for piggyback details.



04/30/2021

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SEQN: 62413 / FROM: RNB	GABL	Ply: 1 Qty: 2	Job Num Chandler Truss La	iber: B53333AA & Yates Res bel: GE9			Cust: R 857 JRef: 1X4Z8570001 T25 DrwNo: 119.21.1058.43202 SSB / WHK 04/29/2021
				6"1 0"12 5"5 3' 5"5 2'5"15	- <mark></mark>	6' - 7'5 11 2	
			77 A	■ 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	≡4X4 D S S X 4 E F F S S X 4 E S S X 4 E S S X 4 E S S X 4 E S S X 4 E S S X 4 E S S X 5 S S S S S S S S S S S S S S S S	SC2	т ю •
			<b> -</b>		- 6'	<del> </del> <del> -</del> 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 Speed Enclos Risk C EXP: E Mean TCDL: BCDL: MWFF C&C E Loc. fr	Criteria Std: ASCE 7-16 I: 140 mph sure: Closed :ategory: II 3 Kzt: NA Height: 18.66 ft : 4.2 psf : 6.0 psf RS Parallel Dist: 0 Dist a: 3.00 ft rom endwall: not ir GCpi: 0.18	to h/2 n 3.56 ft	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: Varies by Ld Case         FT/RT:20(0)/0(0)         Plate Type(s):	Defl/CSI Criteria           PP Deflection in loc L/de           VERT(LL):         0.010 C         95           VERT(CL):         0.013 C         96           HORZ(LL):         0.005 C         -           HORZ(TL):         0.006 C         -           Creep Factor:         2.0         Max TC CSI:         0.233           Max BC CSI:         0.141         Max Web CSI:         0.038	A Maxir 99 360 Loc R+ 99 240 F* 154 - Wind re - F Brg Bearing Member	num Reactions (Ibs), or *=PLF         Gravity       Non-Gravity         / R       / R       / U       / RL         /-       /-       /65       /38       /14         actions based on MWFRS       Width = 72.0       Min Req = -       B       Fcperp = 425psi.       *s not listed have forces less than 375#
Lumber Top chord: 2x4 SP #1 Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;	Wind E	Duration: 1.60		WAVE	VIEW Ver: 20.02.00A.102	0.20	
Plating Notes All plates are 2X4(C6) Plates sized for a mini Loading Truss designed to sup and cladding load not and 24.0" span oppos	except imum of port 1-6 to exce ite face	as noted. f 3.50 sq.in./piece. 6-0 top chord outlo ed 6.00 PSF one . Top chord must	pokers face not be				
Cut or notched, unless Wind Wind loads based on member design. Wind loading based o Additional Notes	specifie MWFRS n both ç	ea otherwise. S with additional C gable and hip roof	C&C	WILLI	M H. FR	Ale and a second se	

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements. Stacked top chord must NOT be notched or cut in area (NNL). Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.



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		•	Truss Label: GE	Res G1						D S	rwNo: 119 SB / WH	).21.1058 K 0	3.43358 04/29/2021	l
	\$	⇒ 20	Complete Trusse	s Required										
				<del>- 7*9</del>	3'8"10 3'1"1	- <mark>- -</mark> 6'9 3'1	11 -∔ '1 -∔	7'5"4 7"9						
			ji ₽	10 12 B A		E4X4								
				k <sup>-7"9</sup> ★   <sup>5</sup> 759 +	3'1"1 3'8"10	6'2"2	<u>'1</u> 11 •∤	7"9 7"9 75"4						
								5 <sup>°3</sup>						
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 PODI 10.00	Wind Criteria Wind Std: A Speed: 140 Enclosure: C Risk Categor	a SCE 7-16 mph osed or II	Snow C Pg: NA Pf: NA Lu: NA	Criteria (Pg, Ct: NA Cs: NA	Pf in PSF) CAT: NA Ce: NA	Defl/CSI Cr PP Deflection VERT(LL): VERT(CL):	teria n in loc l -0.000 F 0.000 F	L/defl L/# 999 360 999 240	▲ Maxim C Loc R+	um Rea Gravity / R- /-77	<b>ctions (lb</b> / Rh /-	e <b>s), or *=</b> No / Rw /118	<b>=PLF</b> on-Gravity /U//	y / RL /112

Top chord: 2x4 SP SS Dense; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;	
Nailnote	
Nail Schedule:0.128"x3", min. nails	
Top Chord: 1 Row @12.00" o.c.	
Bot Chord: 1 Row @12.00" o.c.	
Webs : 1 Row @ 4" o.c.	
Use equal spacing between rows and stagger nails	

EXP: B Kzt: NA

TCDL: 4.2 psf

BCDL: 2.0 psf

Mean Height: 21.04 ft

C&C Dist a: 3.00 ft

Wind Duration: 1.60

MWFRS Parallel Dist: 0 to h/2

Loc. from endwall: not in 7.13 ft

GCpi: 0.18

in each row to avoid splitting.

#### **Plating Notes**

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

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

### Loading

Des Ld:

Lumber

Soffit:

NCBCLL: 0.00

Spacing: 24.0 "

37.00

2.00

Load Duration: 1.25

Truss designed to support 1-6-0 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. Wind loading based on both gable and hip roof types.

### **Additional Notes**

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements. Refer to DWG PB160160118 for piggyback details.



HORZ(TL): 0.001 F

Max TC CSI: 0.038

Max BC CSI: 0.021

Max Web CSI: 0.007

VIEW Ver: 20.02.00A.1020.20

Creep Factor: 2.0

04/30/2021

Building Code:

TPI Std: 2014

FT/RT:20(0)/0(0)

Plate Type(s):

<u>WAVE</u>

FBC 7th Ed. 2020 Res.

Rep Fac: Varies by Ld Case

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



/-77

Brg Width = 5.2

Brg Width = 74.1

Brg Width = 5.2

/-130

Wind reactions based on MWFRS

Bearings A, B, & E are a rigid surface.

Members not listed have forces less than 375#

/-

/77

/64 1-

Min Req = 1.5

Min Req = 1.5

Min Req = -

Е

в

Α

B

F

SEQN: 624 FROM: RN	180 / ( B	GABL	Ply: 1 Qty: 1	Job Nur Chandle Truss La	mber: B53 r & Yates abel: GE	3333AA Res G2							C D S	ust: R 857 rwNo: 119 SB / WH	JRef: 9.21.10 IK	1X4Z8570001 058.43389 04/29/2021	T27
					+;	7"9 7"9	3'8"10 3'1"1		6'9"11 3'1"1								
				戌 <del>-</del>		10 12 B		=4X4 C									
					Ł	<sup>"9</sup> .		- 6'2"2		<u></u>							
					5	7"9 7"9	3'1"1 3'8"10		3'1"1 6'9"11	7"9 7'5"4							
										1 <sup>5"3</sup> 1							
Loading C	Criteria (psf)	Wind C	Criteria		Snow C	riteria (P	g,Pf in PSF)	Defl/C	SI Criteria			Maxim	um Rea	ctions (II	os), or	*=PLF	
TCLL:	20.00	Wind S	Std: ASCE 7-16		Pg: NA	Ct: NA	CAT: NA	PP Def	lection in I	loc L/defl L/#	¥ .		Gravity		( )	Non-Gravity	, 
TCDL:	7.00	Speed:	: 140 mph		Pf: NA		Ce: NA	VERT(	LL): -0.000	)F 999 36	60   L	DC R+	/ R-	/Rh	/ R	w/U/	KL

TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): -0.000 F	999 30	50 Loc R+	/ R-	/ Rh	/Rw	/U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 F	999 24	40 A -	/-77	/-	/118	/138	/112
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 F	-	- B* 147	/-	/-	/76	/69	/-
Des Ld: 37.00	EXP: B KZt: NA Mean Height: 21.04 ft		HORZ(TL): 0.001 F	-	- E -	/-77	/-	/75	/64	/-
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0		B	/-130	and on M			
Soffit: 2.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.076		wind rea			Min Do	~ 15	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.042		A BIG	Width = 3	).Z 7/1	Min Re	q = 1.5 a -	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.014		E Bra	Width = $5$	5.2	Min Re	ч = - a = 1.5	
	Loc. from endwall: not in 7.13 ft	FT/RT:20(0)/0(0)			Bearings	A, B, & I	E are a ric	id surfa	ce.	
	GCpi: 0.18	Plate Type(s):			- Members	s not liste	d have fo	, rces less	s than 3	375#
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.02.00A.1	020.20						

#### Lumber

Top chord: 2x4 SP SS Dense; 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.

#### Loading

Truss designed to support 1-6-0 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.

Wind loading based on both gable and hip roof types.

#### **Additional Notes**

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements. Refer to DWG PB160160118 for piggyback details.



04/30/2021

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SEQN: 62334 /	MONO	Ply: 1	Job Nur	nber: B53333AA			Cust: R 857 JRef: 1X4Z8570001 T4
FROM: RNB		Qty: 11	Chandle	r & Yates Res			DrwNo: 119.21.1058.43577
			Truss L				SSB / WHK 04/29/2021
			Ţ	10 12 B B III3X10(G1)			
				1	6'8"4		
				<del> =</del> ── 1'6" <del>- = =</del>	6'8"4		
Loading Criteria (psf)	Wind	Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ 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	/ Non-Gravity
TCDL: 7.00	Enclos	sure: Closed		Pt: NA Ce: NA	VERT(LL): NA		
BCDL: 10.00	Risk C	ategory: II		Snow Duration: NA	HORZ(LL): 0.045 C	B 399 /- D 329 /-	/- /219 /- /184 /- /206 /94 /-
Des Ld: 37.00	EXP: E	3 Kzt: NA			HORZ(TL): 0.075 C	Wind reactions	based on MWFRS
NCBCLL: 10.00	TCDL:	Height: 15.00 π : 4.2 psf		Building Code:	Creep Factor: 2.0	B Brg Width	= 3.5 Min Req = 1.5
Soffit: 2.00	BCDL:	: 6.0 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.561	Bearing B Fcpe	= - Milli Req = - erp = 425psi.
Load Duration: 1.25	MWFF	RS Parallel Dist: h/	'2 to h	Ren Fac: Yes	Max Web CSI: 0.401 Max Web CSI: 0.132	Members not li	sted have forces less than 375#
Spacing. 24.0	Loc. fr	om endwall: not ir	9.00 ft	FT/RT:20(0)/0(0)			
		GCpi: 0.18		Plate Type(s):		-	
	Wind [	Duration: 1.60		WAVE	VIEW Ver: 20.02.00A.1020.20		
Lumber				Wind			
Bot chord: 2x4 SP #1 Bot chord: 2x4 SP #1	;			Wind loads based on MWF member design.	RS with additional C&C		
Webs: 2x4 SP #3;	, , , , , , ,			Right end vertical not expo	sed to wind pressure.		
LI SIUD Wedge: 2x8 3	0P 33 D	ense;		Wind loading based on bot	h gable and hip roof types.		
Plating Notes							
Plates sized for a min	imum of	f 3.50 sq.in./piece					
Hangers / Ties							
Simpson Construction the most current inform Strong-Tie. Please ref Strong-Tie catalog for	h Hardwar mation p fer to the addition	are is specified ba provided by Simps e most recent Sim nal information.	ised on ion ipson				
Recommended hange	er conne	ections are based	on		at WERE STATES ALLER A		
Conditions may exist	apacitie	es and calculations uire different conn	s. ections	AUTOT	MH. L		
than indicated. Refer	to manu	facturer publicatio	on for	and the second se	TA MA		
Bearing at location x=	6'5"4	uses the following	3	and the second second	UCENSE . C		
support conditions: 6'	5"4 "2) LI IG	206	5	S/			
Supporting Membe	∠) ⊓∪: r: (2)2x6	520 5 SP #1			No. 70861 🗸 👔 🖉	_	
(14) 0.148"x3" nails	s into su	upporting					
(4) 0.148"x3" nails	into sup	oported					
member.					STATA OF S		
Loading				201	2000 Prost		
Truss passed check for	or 20 ps	f additional botton	n	160	GIL		
clearance.	is will 4	r∠ -myn x 24 -wl06	•	COA #027	8ONAL EN MILLER		
				04/20/2	AND AND BRITISHING		
				04/30/2	2021		
********	**WA	RNING** READ	AND FO	LOW ALL NOTES ON THIS D			
Trusses require extren	ne care	rokinish THIS D in fabricating, han	dling, sh	pping, installing and bracing.	Refer to and follow the latest edition	of BCSI (Buildin	g
Component Safety Info	ormatior	n, by TPI and SBC ed otherwise, top c	A) for sa	tety practices prior to performing Il have properly attached structu	these functions. Installers shall p iral sheathing and bottom chord sha	rovide temporary all have a proper	íy 🔺
attached rigid ceiling. I as applicable. Apply	Location	s shown for perm	anent lat s and po	eral restraint of webs shall have sition as shown above and on th	pracing installed per BCSI sections be Joint Details, unless noted other	s B3, B7, or B10, wise. Refer to	
arawings 160A-Z for si Alpine a division of IT	tandard W Build	plate positions. R	eter to jo Group Inc	o's General Notes page for addi	tional information. y deviation from this drawing, any f	ailure to build the	



SEQN: 62440 /	MONO	Ply: 1	Job Nu	mber: B53333AA			Cust: R 857 JRef: 1X4Z8570001 T13
FROM: RNB		Qty: 1	Chandle Truss I	er & Yates Res abel: M4			DrwNo: 119.21.1058.43170 SSB / WHK 04/29/2021
			110351				33D / WHIC 04/23/2021
				3'1"9	6'2"		
				3'1"9	3'0"7		
					⊯2X4 D		
					RIT		
					2X4 C		
				10	6'1"11 "4		
				III2X4			
				Т			
				A F	III3X6 <sup>E</sup>		
				-			
				<b>k</b>	- 6'2"		
				<b> </b> •— 1'6" — <del>•   •</del>	6'2" 6'2"		
Logding Critoria (not)	Wind	Critoria		Snow Critoria (Dr. Df. in DCC)	Defl/CSI Criteria	A Maximum P	eactions (lbs)
TCLL: 20.00	Wind	Std: ASCE 7-16	;	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravit	y Non-Gravity
TCDL: 7.00	Speed	l: 140 mph		Pf: NA Ce: NA	VERT(LL): 0.011 C 999 360	Loc R+ /R-	/Rh /Rw /U /RL
BCLL: 0.00 BCDL: 10.00	Risk C	ategory: II		Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.021 C 999 240 HORZ(LL): -0.019 D	F 355 /- F 228 /-	/- /209 /- /124 /- /189 /46 /-
Des Ld: 37.00	EXP: I	3 Kzt: NA			HORZ(TL): 0.036 D	Wind reactions	based on MWFRS
NCBCLL: 10.00	TCDL	: 4.2 psf		Building Code:	Creep Factor: 2.0	F Brg Width E Brg Width	= 3.5 Min Req = 1.5 = - Min Req = -
Load Duration: 1.25	BCDL	: 6.0 psf RS Parallel Dist: h	n to 2h	TPI Std: 2014	Max BC CSI: 0.325	Bearing F Fcpe	erp = 425psi.
Spacing: 24.0 "	C&C [	Dist a: 3.00 ft		Rep Fac: Yes	Max Web CSI: 0.254	Members not I	sted have forces less than 375#
	Loc. fr	om endwall: not i GCpi: 0.18	n 9.00 ft	Plate Type(s):			
	Wind I	Duration: 1.60		WAVE	VIEW Ver: 20.02.00A.1020.20		
Lumber							
Bot chord: 2x4 SP #1	; ;						
Webs: 2x4 SP #3;							
Plating Notes							
Plates sized for a min	imum o	f 3.50 sq.in./piece	9.				
Hangers / Ties							
the most current infor	n Hardw mation	are is specified b provided by Simp	ased on son				
Strong-Tie. Please re Strong-Tie catalog for	fer to the radditio	e most recent Sir nal information.	npson				
Recommended hange	er conne	ections are based	lon				
Conditions may exist	capacitie	es and calculation	ns. nections		Massertilise House		
than indicated. Refer	to manu	ifacturer publicati	on for	A STREET, A	MH. L'MAN		
Bearing at location x=	=5'11"	uses the following	ng	and the	CENIC LOUIS		
Bearing E (5'11", 9'1	11"  "2) HUS	S26		and the second	CLAOR CAL		
Supporting Membe (14) 0 148"x3" nails	er: (2)2x6 s into si	5 SP #1 upporting			70061		
member,	into ou	ported			0. 10001		
member.	into su	oponed		<u> </u>			
Wind				S S	TATA OF A		
Wind loads based on	MWFR	S with additional	C&C	A V C	1000 A A A		
End verticals not expo	osed to	wind pressure.		Co.	Gland		
Wind loading based of	on both g	gable and hip roo	f types.	COA #0 278	ONAL EN MILLION		
				04/30/20	1/18/19/19/19/19/19/19/19/19/19/19/19/19/19/		
 	**WA	RNING** READ	AND FC	LLOW ALL NOTES ON THIS D	RAWING!		
**IMPORT	ANT** ne care	FURNISH THIS I in fabricating, ha	DRAWIN ndling, sh	G TO ALL CONTRACTORS INC ipping, installing and bracing.	LUDING THE INSTALLERS Refer to and follow the latest edition	of BCSI (Buildin	g
Component Safety Inf bracing per BCSI. Unl	ormation	n, by TPI and SB ed otherwise, top	CA) för sa chord sh	atety practices prior to performing all have properly attached structu	these functions. Installers shall p iral sheathing and bottom chord sha	rovide temporar	iy 🔺
anached rigid ceiling. as applicable. Apply drawings 1604-7 for s	plates to	b each face of tru	ss and po	bition as shown above and on the bolt of t	tional information	wise. Refer to	
Alpine, a division of IT	W Build	ing Components	Group In	c. shall not be responsible for an	y deviation from this drawing, any f	ailure to build the	
listing this drawing, inc drawing for any structu	dicates a	acceptance of pro	the Ruik	engineering responsibility solely	for the design shown. The suitabili c.2.	ty and use of this	6750 Forum Drive Suite 305
For more information	coo thee	a wab sitas. Ala	ine puil	aitw.com. TDI: trinet ora: SPCA	sheindustry com: ICC: iccepto or		Orlando FL. 32821

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

SEQN: 62340 / FROM: RNB	COMN	Ply: 1 Qtv: 10	Job Nur Chandle	nber: B5333 r & Yates Res	BAA					C	ust: R 85 rwNo: 1	7 JRef:1) 19.21.105	(4Z85700) 8.43545	01 T16
		Q.J. 10	Truss L	abel: T-1						s	SB / V	VHK	04/29/20	)21
			J 3'9"4		8'3"12	1	12'6"10	16'4	•					
			3'9"4	- -	4'6"8	- -	4'2"14 -	3'9"	6					
		т			₩4	X10 C 本				-	F			
		Ī												
		4					$\sim$							
		- 4'6"1	r	12	1		## 4X6(S	SRS)						
			10	В				, A		1077				
		÷	,			<u>-田</u> .世.		G	F	T				
		14		≡4X6(B1)	=	=4X4	⊪52	(6(**)	III5X10(++)					
			A /											
			8							ل	L			
			<b>k</b>			'4" —								
			<del></del>	-+-	4'10" 8'7"4	-+-	<u>7'8</u> 16	3"12 5'4"						
Loading Criteria (psf)	Wind (	Criteria	7.40	Snow Crite	ria (Pg,Pf in PSF)	Defl/CSI	Criteria		▲ Maxim		ctions	(lbs)		vitv
TCDL: 20.00	Speed	: 140 mph	-10	Pg: NA Pf: NA	Ce: NA CAT: NA Ce: NA	VERT(LI	-): 0.213 H	L/defi L/# 905 360	Loc R+	· /R-	/ Rh	/ Rw	/U	/ RL
BCLL: 0.00 BCDL: 10.00	Enclos Risk C	ategory: II		Lu: NA O Snow Durat	Cs: NA ion: NA	VERT(C HORZ(L	L): 0.392 H L): 0.188 F	491 240	A 581 F 621	-  -	/- /-	/288 /322	/71 /64	/158 /-
Des Ld: 37.00	EXP: E Mean I	3 Kzt: NA Height: 19.13	ft	Building Co	do:		L): 0.347 F		Wind rea	actions b Width =	ased on	MWFRS Min R	ea = 15	5
Soffit: 2.00	TCDL: BCDL:	4.2 psf 6.0 psf		FBC 7th Ed	. 2020 Res.	Max TC	CSI: 0.362	2	F Brg	Width =	- - - 125r	Min R	əq = -	
Load Duration: 1.25 Spacing: 24.0 "	MWFR	S Parallel Di	st: h/2 to h	TPI Std: 20 Rep Fac: Y	)14 es	Max BC Max We	CSI: 0.476 cCSI: 0.803	6 3	Members	s not list	$b = 425\mu$ ed have	forces les	s than 3	375#
opaoling. 24.0	Loc. fro	om endwall: I	not in 9.00 ft	FT/RT:20(0	)/0(0)				Maximu Chords	Tens.Co	chord F	Chords	Tens.	s) Comp.
	Wind E	GCpi: 0.18 Duration: 1.60	)	WAVE	5).	VIEW Ve	er: 20.02.00A	.1020.20	B-C	168 259	- 683	D - E	663	- 2106
Lumber Top chord: 2x4 SP #1	: T1 2x8	SP SS Den	se:							200		_	<b>.</b>	
Bot chord: 2x4 SP #1; Webs: 2x4 SP #3;	,		,						Maximu Chords	Tens.Co	mp.	Chords	Tens.	s) Comp.
Plating Notes									B - H	646	- 139	H-G	2283	- 747
(++) - This plate works	s for bot	h joints cove	red. Pefer to						Maximu	m Web	Forces	Per Ply (I	bs)	Camp
scaled plate plot detai requirements.	is for sp	ecial position	ling						C - H	429	-58	G - E	2107	- 656
Plates sized for a mini	imum of	3.50 sq.in./p	iece.						H-D D-G	622 - 228	1637 - 476	E-F	253	- 551
Purlins														
TC @ 24" oc.	nels use	e purlins to br	ace all flat				111114							
Wind					and the second	MH	. Kan							
Wind loads based on member design.	MWFRS	S with additio	nal C&C		service the	CEN	Ser. C	THEFT.						
Right end vertical not Wind loading based o	exposed	d to wind pres	ssure. roof types		5/			<b>F</b>						
	in boung		loor types.			No. 70	361		-					
						*								
						STATA	OF	<b>G</b>						
					20,1	ZORI	DX X	A REAL PROPERTY AND A REAL						
					COA HERE	S/ONIA	ENG	ALC						
					04/30/	2021	MINIMUT.							
*******	**WAF	RNING** RI			NOTES ON THIS									
Trusses require extrem Component Safety Info	ne care i prmation	in fabricating	, handling, sh SBCA) for sa	pping, instal	ling and bracing. s prior to performing	Refer to ar	d follow the l	LERO atest editior allers shall r	n of BCSI (I	Building				
bracing per BCSI. Unle attached rigid ceiling. L	ocation	d otherwise, s shown for p	top chord sha permanent lat	Il have proper eral restraint	of webs shall hav	tural sheath e bracing in the Joint D	ning and botto stalled per B	om chord sh CSI section	all have a s B3, B7, c rwise	properly or B10,				
drawings 160A-Z for st Alpine, a division of IT	andard W Buildi	plate position	ns. Refer to jo ents Group Ind	b's General l	Notes page for ad	ditional info	mation.	awing. anv	failure to b	uild the		ÂL	_PI	NE
Itruss in conformance v	vith ANS	SI/TPL 1. or 1	or handling	shippina, in	tallation and brac	ing of truss	es. A seal o	n this drawin	na or cover	rpage		0750 5	D.: '	COMPANY

Isting this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org 6750 Forum Drive Suite 305 Orlando FL, 32821



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Suite 305 Orlando FL, 32821



ONA COA #0 278 04/30/2021

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COA #0 27,8 0 04/30/2021

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SEQN: 62342 /	COMN	Ply: 1	Job Nur	imber: B53333AA		1	Cust: R 857 JRef: 1X4Z8570001 T19
FROM: RNB		Qty: 2	Chandle	er & Yates Res			DrwNo: 119.21.1058.43483
		<u> </u>		= <u>3'</u>  = <u>3'</u>  = <u>3'</u>	-+- 6'	 T	
			A	8 B = 3X4(A1)	F = 3X4(A1)	E P	D t D
			<b> </b> •— 1	1'6" <del>  = 3'</del>	-+	- 1'6" <del></del>	
Looding Critoria (nef)	Wind	Critoria				A Maximum Re	actions (lbs)
TCLL: 20.00	Wind S	Std: ASCE 7-16		Pa: NA Ct: NA CAT: NA	Defi/CSI Criteria PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 7.00	Speed	: 140 mph		Pf: NA Ce: NA	VERT(LL): 0.009 F 999 360	Loc R+ /R-	/Rh /Rw /U /RL
BCLL: 0.00 BCDL: 10.00	Risk C	ategory: II		Lu: NA CS: NA Snow Duration: NA	VERT(CL): 0.016 F 999 240 HORZ(LL): 0.002 F	B 1210 /- D 1250 /-	/- /- /177 /- /- /- /182 /-
Des Ld: 37.00	EXP: E Mean I	3 Kzt: NA Height: 18.84 ft			HORZ(TL): 0.004 F	Wind reactions	based on MWFRS
NCBCLL: 10.00	TCDL:	4.2 psf		Building Code: FBC 7th Ed. 2020 Res.	Creep Factor: 2.0 Max TC CSI: 0.164	D Brg Width =	= 3.5 Min Req = 1.5 = 3.5 Min Req = 1.6
Load Duration: 1.25	MWFR	S Parallel Dist: 0	to h/2	TPI Std: 2014	Max BC CSI: 0.299	Bearings B & D Members not lis	Fcperp = 425psi. sted have forces less than 375#
Spacing: 24.0 "	C&C D	)ist a: 3.00 ft	4 50 ft	Rep Fac: Varies by Ld Case    FT/RT:20(0)/0(0)	Max Web CSI: 0.370	Maximum Top	Chord Forces Per Ply (lbs)
	200.11	GCpi: 0.18	1.00 11	Plate Type(s):		Chords Tens.C	1062 C D 108 1062
Lumbor	Wind E	Duration: 1.60		WAVE	VIEW Ver: 20.02.00A.1020.20	B-C 120	- 1003 C-D 126 - 1003
Top chord: 2x4 SP #1; Bot chord: 2x6 SP #1; Webs: 2x4 SP #3;	;					Maximum Bot Chords Tens.C B - F 862	Chord Forces Per Ply (lbs)           Comp.         Chords         Tens. Comp.           -94         F - D         862         -94
Special Loads							
(Lumber Dur.Fac. TC: From 57 plf a BC: From 5 plf a BC: From 10 plf a BC: From 5 plf a BC: 621 lb Conc. Lo	=1.25/ at -1. at -1. at 0. at 6. bad at 1	Plate Dur.Fac.=1. 66 to 57 plf at 66 to 5 plf at 00 to 10 plf at 00 to 5 plf at 1.06, 3.06, 5.06	.25) 7.66 0.00 6.00 7.66			Maximum Web Webs Tens.C C - F 971	Forces Per Ply (lbs) Comp -72
Plating Notes Plates sized for a mini	mum of	3.50 sq.in./piece.		liter.	MERSION DE RAI FEANA.		
Wind loads and reactie Wind loads and reactie Wind loading based or	ons bas n both g	ed on MWFRS. Jable and hip roof	types.	ANILLA ANILLA N	M H. To CENSE C	_	
				COA #0 278 04/30/20	ORIDA ONAL ENGINE		
**IMPORTA Trusses require extrem Component Safety Info bracing per BCSI. Unle attached rigid ceiling. L as applicable. Apply drawings 160A-2 for st	**WAF NT** I be care ormation ess note ocation olates to andard	RNING** READ FURNISH THIS D in fabricating, han , by TPI and SBC d otherwise, top c s shown for perm each face of trus plate positions. R	AND FO RAWING dling, shi A) for sa hord sha anent lat s and po efer to jo	DLLOW ALL NOTES ON THIS DR. G TO ALL CONTRACTORS INCL nipping, installing and bracing. Re afety practices prior to performing t all have properly attached structura teral restraint of webs shall have b psition as shown above and on the psition as shown above and on the addition as shown above and addition addition as shown above and addition by's General Notes page for addition	AWING! UDING THE INSTALLERS ifer to and follow the latest edition these functions. Installers shall p al sheathing and bottom chord sha racing installed per BCSI sections Joint Details, unless noted other onal information.	of BCSI (Building rovide temporary all have a property B3, B7, or B10, wise. Refer to	



SEQN: 62344 /	COMN	Ply: 1	Job Nu	mber: B53333AA		Cust: R 857 JRef: 1X4Z8570001 T23
FROM: RNB		Qty: 1	Chandle Truss L	r & Yates Res abel: TG-2		DrwNo: 119.21.1058.43327 SSB / WHK 04/29/2021
			11033 E			
				Δ'Δ"	. 8'8"	
				4'4"	4'4"	
				=	≡4X4 C	
		T			$\widehat{\mathbb{A}}$	Ŧ
				12		
		33"2	8			4
		Ĭ				2.
			_	В		
		4	2			
			A		F 13X10 = 4X4	
				4/4(//1)	-4/4	
				<u></u>	- 8'8"	
			<del>-</del> — 1'6" —	= = <u>4'4"</u> 		_ <del></del> _ 1'6" <del>_</del>
Loading Criteria (psf)	Wind 9	Criteria Std: ASC	E 7-16	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Gravity Non-Gravity
TCDL: 7.00	Speed	l: 140 mp	h	Pf: NA Ce: NA	VERT(LL): 0.019 F 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclos	sure: Close	ed	Lu: NA Cs: NA	VERT(CL): 0.034 F 999 240	B 1611 /- /- /- /234 /-
BCDL: 10.00	EXP: E	B Kzt: N	A	Snow Duration: NA	HORZ(LL): 0.006 F	D 1648 /- /- /- /238 /-
Des Ld: 37.00	Mean	Height: 19	.28 ft	Building Code:	Creep Factor: 2.0	B Brg Width = $5.5$ Min Req = $2.0$
Soffit: 2.00	BCDL:	: 4.2 psf : 6.0 psf		FBC 7th Ed. 2020 Res.	Max TC CSI: 0.204	D Brg Width = $5.5$ Min Req = $2.1$
Load Duration: 1.25	MWFF	RS Paralle	I Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.587	Members not listed have forces less than 375#
Spacing: 24.0 "	C&C E	Dist a: 3.00	) ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.579	Maximum Top Chord Forces Per Ply (lbs)
	LOC. II	GCpi: 0.	.18	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	Wind [	Duration: 1	.60	WAVE	VIEW Ver: 20.02.00A.1020.20	B - C 217 - 1662 C - D 217 - 1662
Lumber						Maximum Bot Chord Forces Per Ply (lbs)
Bot chord: 2x4 SP #1	;					Chords Tens.Comp. Chords Tens. Comp.
Webs: 2x4 SP #3;						B-F 1348 - 162 F-D 1348 - 162
Special Loads						Maximum Web Forces Per Ply (lbs)
(Lumber Dur.Fac	.=1.25 /	Plate Dur	.Fac.=1.25)			Webs Tens.Comp.
BC: From 5 plf a	at -1.	.66 to	5 plf at 0.00			C - F 1521 - 124
BC: From 10 plf a BC: From 5 plf a	at 0. at 8.	.00 to 1 .67 to	0 plfat 8.67 5 plfat 10.33			
BC: 621 lb Conc. Lo	oad at	1.40, 3.40	, 5.40, 7.40			
Plating Notes						
Plates sized for a mini	imum of	f 3.50 sq.iı	n./piece.			
Wind				and the		
Wind loads and reacti	ions bas	sed on MW	/FRS.	and the	TO MA	
Wind loading based o	n both g	gable and	hip roof types.	same Here	CENSAL	
				<u> \$/``</u>		
					0.70861	_
					ALA UL S	
				20.1	20610X: ASSA	
				Cer.	Gland	
				COA #0 278	ONAL Elimina	
				04/30/20	021	
	**\\$/ * '					
**IMPORTA	ANT**	FURNISH	THIS DRAWING	G TO ALL CONTRACTORS INC	LUDING THE INSTALLERS	
Trusses require extrem Component Safety Info	ne care ormation	in fabricat	ing, handling, sh ind SBCA) for sa	ipping, installing and bracing. R fety practices prior to performing	eter to and follow the latest edition these functions. Installers shall p	of BCSI (Building
attached rigid ceiling.	ess note	ea otherwis is shown f	se, top chord sha or permanent lat	an nave properly attached structu eral restraint of webs shall have	rai sneathing and bottom chord sha bracing installed per BCSI sections	all nave a properly & B3, B7, or B10, Defetto,

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: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org













# Cracked or Broken Member Repair Detail

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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514 Earth City Expressway Suite 242

Earth City, MO 63045



			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	24/	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	2x6		3535#	3635#	4295#	4745#		
Web or Chord	2×4	4.74	2975#	3045#	3505#	3835#		
Web or Chord	2×6	42"	4395#	4500#	5225#	5725#		
Web or Chord	2×4	40"	3460#	3540#	4070#	4445#		
Web or Chord	2x6	40	5165#	5280#	6095#	6660#		



Load Duration = 0%

Member forces may be increased for Duration of Load





PAGE NO:

1 OF 1