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



- called line.	
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4950
Job Description: Jenkins Res	
Address:	

Job Engineering Criteria:		
Design Code: FBC 2017 RES	IntelliVIEW Version: 20.01.01A	
	JRef #: 1X1b2150007	
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 37.00	
Building Type: Closed		

This package contains general notes pages, 25 truss drawing(s) and 1 detail(s).

Item	Drawing Number	Truss
1	356.20.0843.03650	A01
3	356.20.0842.46393	A03
5	356.20.0842.31823	A05
7	356.20.0842.28730	A07
9	356.20.0842.24963	A09
11	356.20.0842.13823	A11
13	356.20.0842.08703	A13
15	356.20.0842.05287	A15
17	356.20.0842.01417	B01
19	356.20.0841.58047	B03
21	356.20.0841.52333	EJ7
23	356.20.0841.53647	CJ5
25	356.20.0841.56723	CJ1

Item	Drawing Number	Truss
2	356.20.0842.59237	A02
4	356.20.0842.34157	A04
6	356.20.0842.30263	A06
8	356.20.0842.27140	A08
10	356.20.0842.22520	A10
12	356.20.0842.10477	A12
14	356.20.0842.07083	A14
16	356.20.0842.03317	A16
18	356.20.0841.59433	B02
20	356.20.0841.49337	HJ7
22	356.20.0841.50740	EJ7A
24	356.20.0841.54950	CJ3
26	BRCLBSUB0119	

General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

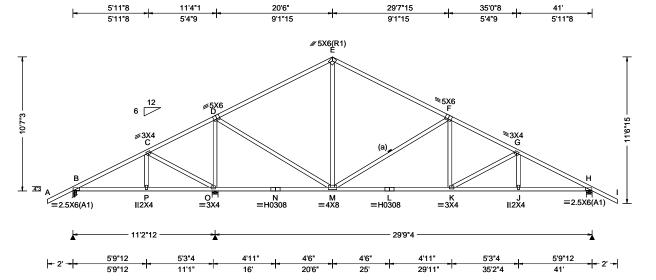
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

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

SEQN: 3953 COMN Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 FROM: SDY DrwNo: 356.20.0843.03650 Qty: 2 Jenkins Res Truss Label: A01 / WHK 12/21/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.081 K 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.144 K 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.023 E
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.040 E
NCBCLL: 20.00	Mean Height: 15.07 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.844
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.601
Spacing: 24.0 "	C&C Dist a: 4.10 ft	Rep Fac: Yes	Max Web CSI: 0.996
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 20.01.01A.0724.12
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Top chord: 2x4 SP #2; Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

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

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

Wind loading based on both gable and hip roof types.

▲ N	laximu	ım Rea	actions (II	bs)		
	G	ravity		No	n-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	390	/-	/-	/217	/41	/330
0	2018	/-	/-	/1019	/75	/-
Н	1258	/-	/-	/750	/85	/-
Wir	nd read	tions b	ased on N	MWFRS		
В	Brg V	Vidth =	3.5	Min Re	q = 1.	5
0	Brg V	Vidth =	5.5	Min Re	q = 1.	5
Н	Brg V	Vidth =	5.5	Min Re	q = 1.	5
Bea	irings l	B, O, &	H are a r	igid surfa	ce.	
Mei	mbers	not list	ed have fo	orces less	than	375#
Max	kimum	Top (Chord Fo	rces Per	Ply (lk	os)
Cho	ords T	ens.Co	omp. (Chords	Tens.	Comp.
	Loc B O H Wir B O H Bea Mei	Loc R+ B 390 O 2018 H 1258 Wind read B Brg V O Brg V H Brg V Bearings Members Maximum	Gravity Loc R+ /R- B 390 /- O 2018 /- H 1258 /- Wind reactions b B Brg Width = O Brg Width = Bearings B, O, & Members not list Maximum Top (Gravity Loc R+ /R- /Rh B 390 /- /- O 2018 /- /- H 1258 /- /- Wind reactions based on N B Brg Width = 3.5 O Brg Width = 5.5 H Brg Width = 5.5 Bearings B, O, & H are a r Members not listed have for Maximum Top Chord For	Loc R+ / R- / Rh / Rw B 390 /- /- /217 O 2018 /- /- /1019 H 1258 /- /- /750 Wind reactions based on MWFRS B Brg Width = 3.5 Min Red O Brg Width = 5.5 Min Red Min Red H Brg Width = 5.5 Min Red Min Red Bearings B, O, & H are a rigid surfar Members not listed have forces less Maximum Top Chord Forces Per	Gravity

C - D	533 - 56	F-G	433 - 1669
D-E	338 - 853	G-H	446 - 2000
	220 054		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.	
M - L	1431	- 191	K-J	1721	- 293	
L-K	1431	- 191	J - H	1723	- 291	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C-0	137 - 429	E - M	430 - 16
O - D	467 - 1559	M - F	305 - 901
D - M	1155 - 190	F-K	644 0



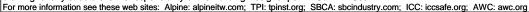
12/21/2020

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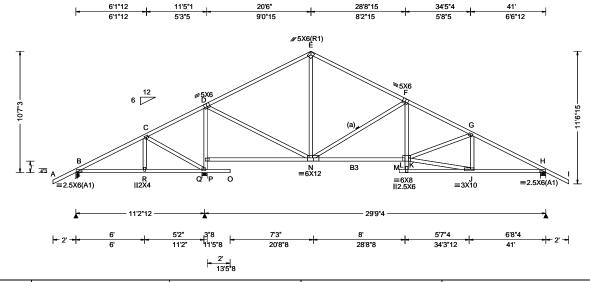
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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





SEQN: 3995 COMN Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 FROM: SDY DrwNo: 356.20.0842.59237 Qty: 6 Jenkins Res Truss Label: A02 / WHK 12/21/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.091 K 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.170 K 999 180
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.020 E
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.040 E
NCBCLL: 20.00	Mean Height: 15.07 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.800
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.991
Spacing: 24.0 "	C&C Dist a: 4.10 ft	Rep Fac: Yes	Max Web CSI: 0.676
'	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.12

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B3 2x4 SP M-31; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

Wind

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

Wind loading based on both gable and hip roof types.

	▲ Maximum Reactions (lbs)						
#		G	ravity		No	n-Grav	ity
240	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
80	В	500	/-	/-	/213	/105	/330
-	Q	1691	/-	/-	/1027	/46	/-
-	Н	1224	/-	/-	/801	/109	/-
	Wir	d read	tions ba	sed on N	/WFRS		
	В	Brg V	/idth = 3	.5	Min Red	q = 1.5	
	Q	Brg V	/idth = 5	.5	Min Red	q = 1.6	
	Н	Brg V	/idth = 5	.5	Min Red	i = 1.5	
	Bea	ırings I	3, Q, & F	l are a ri	igid surfa	ce.	
	Mei	nbers	not listed	d have fo	rces less	than 3	75#
	Maximum Top Chord Forces Per Ply (lbs)					s)	
	Cho	ords T	ens.Cor	np. (Chords	Tens.	Ćomp.

B - C	239 - 403	E-F	410	- 933
C - D	386 - 224	F-G	560	- 1800
D-E	417 - 946	G-H	521	- 1928

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	noras Lens.Comp.		rens. Comp.		
N - K	1555 - 291	J - H	1676	- 354	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. 0	Comp.
C-Q	123 - 461	E - N	601	-65
Q - P	324 - 1362	N - F	341	- 950
P - D	340 - 1318	F-K	764	- 43
D - N	1009 - 50	K-J	1690	- 344



12/21/2020

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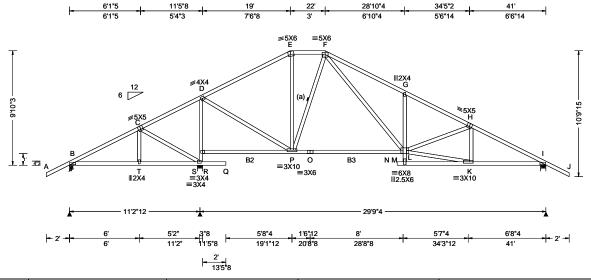
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SEQN: 3992 HIPS Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T25 FROM: SDY Qty: 1 DrwNo: 356.20.0842.46393 Jenkins Res Truss Label: A03 / WHK 12/21/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.104 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.193 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.019 E
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.038 E
NCBCLL: 20.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.670
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.847
Spacing: 24.0 "	C&C Dist a: 4.10 ft	Rep Fac: Yes	Max Web CSI: 0.899
' '	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.12

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Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2.5X6(A1) except as noted.

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

Wind loading based on both gable and hip roof types.

Defl/CSI Criteria	▲ N	/laximu	ım Re	eactions (It	os)		-
PP Deflection in loc L/defl L/#		G	ravity		No	n-Grav	∕ity
VERT(LL): 0.104 G 999 240	Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/RI
VERT(CL): 0.193 G 999 180	В	503	/-	/-	/232	/96	/310
HORZ(LL): 0.019 E	s	1673	/-	/-	/1004	/47	/-
HORZ(TL): 0.038 E	1	1225	/-	/-	/801	/110	/-
Creep Factor: 2.0	Wir	nd read	tions	based on N	MWFRS		
Max TC CSI: 0.670	В	Brg V	Vidth =	= 3.5	Min Re	q = 1.5	;
Max BC CSI: 0.847	S	Brg V	Vidth =	= 5.5	Min Re	q = 1.6	j
	1	Brg V	Vidth =	= 5.5	Min Re	i = 1.5	;
Max Web CSI: 0.899	Bea	arings l	B, S, 8	& I are a rig	id surface	ē.	
	Ме	mbers	not lis	ted have fo	rces less	than 3	375#
	Ma	ximum	Тор	Chord For	ces Per	Ply (lb	s)
VIEW Ver: 20.01.01A.0724.12						Tens.	

B - C	215	- 409	F-G	766	- 1841
D-E	441	- 897	G-H	619	- 1808
E-F	448	- 736	H - I	569	- 1930

Tens. Comp.

/310

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
P-0	835	- 95	K-I	1686	- 396	
0 - L	838	- 95				

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	vvebs	rens. (Jonip.
C-S	133 - 464	P-F	192	- 386
S - R	374 - 1350	F-L	1182	- 390
R - D	381 - 1323	L-G	268	- 375
D - P	1011 - 105	L-K	1739	- 380

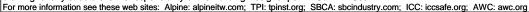


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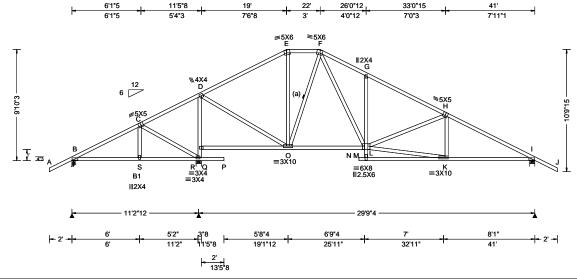
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SEQN: 3949 HIPS Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T23 FROM: SDY Qty: 1 DrwNo: 356.20.0842.34157 Jenkins Res Truss Label: A04 / WHK 12/21/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.089 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.161 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.018 E
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.035 E
NCBCLL: 20.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.657
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.468
Spacing: 24.0 "	C&C Dist a: 4.10 ft	Rep Fac: Yes	Max Web CSI: 0.756
1	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.12

L	.um	ber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP M-31; B1 2x4 SP #2; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2.5X6(A1) except as noted.

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

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

Wind loading based on both gable and hip roof types.

l Criteria	▲ Maximum Reactions (lbs)				
ection in loc L/defl L/#	Gravity	Non-Gravity			
L): 0.089 G 999 240	Loc R+ /R- /Rh	/Rw /U /RL			
L): 0.161 G 999 180	B 504 /- /-	/232 /99 /310			
L): 0.018 E	R 1739 /- /-	/1003 /46 /-			
L): 0.035 E	I 1277 /- /-	/803 /112 /-			
actor: 2.0	Wind reactions based on I	//WFRS			
CSI: 0.657	B Brg Width = 3.5	Min Req = 1.5			
CSI: 0.468	R Brg Width = 5.5	Min Req = 1.7			
	I Brg Width = 5.5	Min Req = 1.5			
b CSI: 0.756	Bearings B, R, & I are a rig	gid surface.			
	Members not listed have forces less than 375#				
	Maximum Top Chord Forces Per Ply (lbs)				
er: 20.01.01A.0724.12	•	Chords Tens Comp			

B-C	223	- 410	F-G	692	- 1607
D - E	450	- 995	G - H	562	- 1628
E-F	456	- 805	H - I	573	- 2000

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.c	omp.	Cnoras	rens. (∍omp.
0 - L	924	- 86	K-I	1709	- 388

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (Comp.
C-R	134 - 463	0 - F	138	- 376
R - Q	369 - 1428	F-L	1041	- 358
Q - D	380 - 1405	L-K	1704	- 380
D - O	1044 - 106	I - H	161	- 437



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

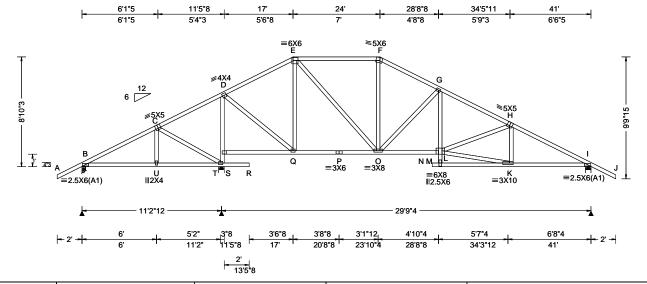
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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 3989 HIPS Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 FROM: SDY Qty: 1 DrwNo: 356.20.0842.31823 Jenkins Res Truss Label: A05 / WHK 12/21/2020



Loading C	riteria (psf)	Wind Criteria	Snow Cri	teria (Pg,	Pf in PSF)	Defl/CSI Crit	teria		
TCLL: 2	20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection	n in loc L	/defl	L/#
TCDL:		Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL):	0.091 L	999	240
BCLL: (0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL):	0.169 L	999	180
BCDL: 1		Risk Category: II	Snow Dur	ation: NA		HORZ(LL):	0.018 K	-	-
Des Ld: 3	27 00	EXP: C Kzt: NA				HORZ(TL):	0.034 K	-	-
NCBCLL: 2	20.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building C	ode:		Creep Factor	r: 2.0		
Soffit: 2		BCDL: 5.0 psf	FBC 2017	RES		Max TC CSI:	0.490		
Load Durati		MWFRS Parallel Dist: h to 2h	TPI Std:	2014		Max BC CSI:	0.874		
Spacing: 24	4.0 "	C&C Dist a: 4.10 ft	Rep Fac: '	Yes		Max Web CS	SI: 0.744		
		Loc. from endwall: not in 13.00 ft	FT/RT:20((0)/10(0)					
		GCpi: 0.18	Plate Type	e(s):					
		Wind Duration: 1.60	WAVE			VIEW Ver: 20	0.01.01A.	0724.	12

Lumber

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

Plating Notes

All plates are 3X4 except as noted.

Wind

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

Wind loading based on both gable and hip roof types.

Defl/CSI Criteria				▲ Maximum Reactions (lbs)						
PP Deflection in loc L	/defl	L/#		Gravity			No	Non-Gravity		
VERT(LL): 0.091 L	999	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RI	
VERT(CL): 0.169 L	999	180	В	508	/-	/-	/250	/93	/283	
HORZ(LL): 0.018 K	-	-	Т	1662	/-	/-	/978	/48	/-	
HORZ(TL): 0.034 K	-	-	1	1230	/-	/-	/800	/116	/-	
Creep Factor: 2.0			Wir	nd reac	tions b	ased on N	MWFRS			
Max TC CSI: 0.490			В	Brg W	/idth =	3.5	Min Re	q = 1.5	;	
Max BC CSI: 0.874			Т		/idth =		Min Re			
			1	Brg W	/idth =	5.5	Min Re	q = 1.5	;	
Max Web CSI: 0.744			Bea	ırings E	3, T, &	I are a rig	jid surfac	e.		
			Mei	mbers	not list	ed have fo	orces les	s than 3	375#	

Chords	Tens.Comp.	Chords	Tens. Comp.
B-C	230 - 420	F-G	610 - 1208
ь г	470 770	O 11	744 4700

Maximum Top Chord Forces Per Ply (lbs)

/RL

/283

D - E	4/8 - //3	G-H	711 - 1799
E-F	603 - 1034	H-I	654 - 1946

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	omp.	Chords	Tens.	Comp		
Q-P	635	- 98	0 - L	1544	- 419		

Q - P P - O	 	O-L K-I	1544 1693	- 419 - 474

Maximum Web Forces Per Ply (lbs)								
Webs	Tens.Comp.	Webs	Tens. 0	Comp.				
C-T	156 - 471	E-O	615	- 195				
T - S	425 - 1318	0 - F	419	-6				
S - D	426 - 1301	O - G	277	- 742				
D - Q	973 - 203	G-L	695	- 88				
E - Q	197 - 493	L-K	1674	- 469				



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

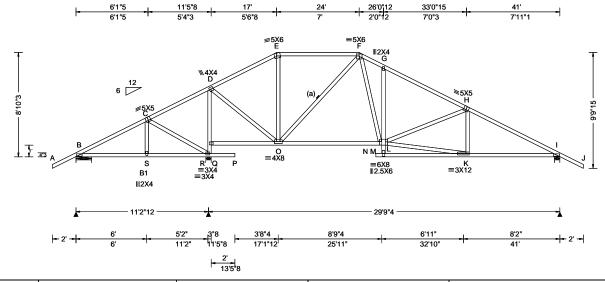
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SEQN: 3942 HIPS Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T17 FROM: SDY DrwNo: 356.20.0842.30263 Qty: 1 Jenkins Res Truss Label: A06 / WHK 12/21/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.087 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.156 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 E
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.029 E
NCBCLL: 20.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf BCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.536
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.475
Spacing: 24.0 "	C&C Dist a: 4.10 ft	Rep Fac: Yes	Max Web CSI: 0.845
opaog. 2	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Nr. 15 100	WAVE	VIEW Ver: 20.01.01A.0724.12

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP M-31; B1 2x4 SP #2; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2.5X6(A1) except as noted.

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

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

Wind loading based on both gable and hip roof types.

	▲ M	aximu	ım Rea	ctions (lbs)		
_/#		G	ravity		No	on-Grav	/ity
240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
180	В	520	/-	/-	/262	/85	/283
-	R	1728	/-	/-	/964	/50	/-
-	1	1295	/-	/-	/801	/116	/-
	Wind reactions based on MWFRS						
	B Brg Width = 16.0 Min Req = 1.5						;
	R Bra Width = 5.5			5.5	Min Req = 1.7		
	1	Brg V	/idth =	5.5	Min Reg = 1.5		
	Bea	rings I	3, R, &	I are a ri	gid surfac	ė.	
	Mer	nbers	not liste	ed have f	orces less	s than 3	375#
	Max	imum	Top C	hord Fo	rces Per	Plv (lb	s)
2					Chords		

B - C	230 - 391	F-G	740 - 1612
D - E	476 - 904	G-H	645 - 1673
E-F	472 - 753	H - I	650 - 2040

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp	o. Chords	Tens. (Comp.
B-S	577 - 18	9 K-I	1745	- 457
0 - L	1165 - 24	1		

Maximum Web Forces Per Ply (lbs)

rens.comp.	webs	Tens. (Jonnp.
158 - 433	0 - F	220	-617
426 - 1416	F-L	949	- 270
422 - 1430	L-K	1770	- 441
1086 - 201	L-H	155	- 429
	158 - 433 426 - 1416 422 - 1430	158 - 433 O - F 426 - 1416 F - L 422 - 1430 L - K	158 - 433 O - F 220 426 - 1416 F - L 949 422 - 1430 L - K 1770



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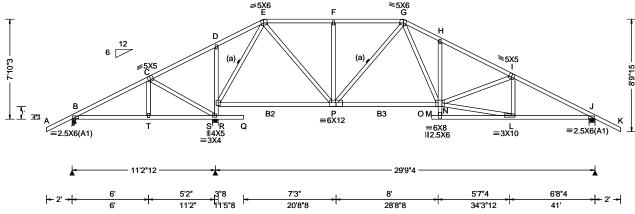
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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 3983 HIPS Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T16 FROM: SDY DrwNo: 356.20.0842.28730 Qty: 1 Jenkins Res Truss Label: A07 / WHK 12/21/2020





Loading Cr	riteria (psf)	Wind Criteria	Snow Cri	teria (Pg	Pf in PSF)	Defl/CSI Criteria			
TCLL: 2	0.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc L/de	efl L	_/#
TCDL: 7		Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL): 0.09	1 H 9	99	240
BCLL: (J.UU	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.17	0 H 9	99	180
BCDL: 1		Risk Category: II	Snow Dur	ation: NA		HORZ(LL): -0.01	5 S	-	-
Des Ld: 3	7 00	EXP: C Kzt: NA				HORZ(TL): 0.02	9 L -	-	-
NCBCLL: 2	^ ^^	Mean Height: 15.00 ft TCDL: 4.2 psf	Building C	ode:		Creep Factor: 2.0			
Soffit: 2	2 00	BCDL: 5.0 psf	FBC 2017	RES		Max TC CSI: 0	.370		
Load Durati		MWFRS Parallel Dist: h to 2h	TPI Std:	2014		Max BC CSI: 0	.847		
Spacing: 24		C&C Dist a: 4.10 ft	Rep Fac:	Yes		Max Web CSI: 0	.665		
'		Loc. from endwall: not in 13.00 ft	FT/RT:20	(0)/10(0)					
		GCpi: 0.18	Plate Type						
		Wind Duration: 1.60	WAVE			VIEW Ver: 20.01.	01A.07	24.1	2

13'5'8

▲ Maximum Reactions (lbs)							
	G	ravity		No	n-Grav	rity	
Loc	R+	/ R-	/Rh	/Rw	/ U	/ RL	
В	511	/-	/-	/267	/90	/256	
S	1658	/-	/-	/947	/45	/-	
J	1235	/-	/-	/793	/119	/-	
Win	Wind reactions based on MWFRS						
В	B Brg Width = 3.5 Min Reg = 1.5						
	Brg V	/idth = 5.	5	Min Red	q = 1.6		
J	Brg W	/idth = 5.	5	Min Red	q = 1.5		
Bea	rings l	3, S, & J	are a rigi	d surfac	e.		
Members not listed have forces less than 375#							
Max	Maximum Top Chord Forces Per Ply (lbs)						
Cho	rds T	ens.Com	ıp. Cl	nords	Tens.	Comp.	
J						- · F-	

872 - 1790 B - C 246 - 427 G - H 771 - 1818 E-F 651 - 1071 H - I 706 - 1959 F-G 651 - 1071

Bracing

Lumber

(a) Continuous lateral restraint equally spaced on

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31; Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	comp.	Chords	Tens. (Comp.
R-P			L-J	1696	- 520
P - M	1226	- 348			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (Comp.
C-S	155 - 469	E-P	1036	- 307
S-R	455 - 1293	G - M	913	- 300
R-E	337 - 1169	M - L	1716	- 508



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

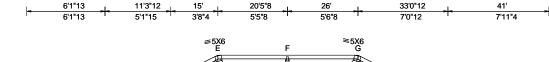
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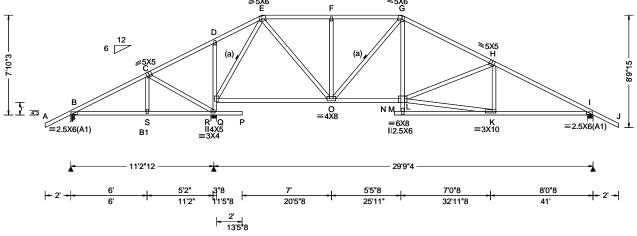
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SEQN: 3938 HIPS Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T22 FROM: SDY Qty: 1 DrwNo: 356.20.0842.27140 Jenkins Res Truss Label: A08 / WHK 12/21/2020





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.085 L 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.150 L 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 E
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.030 E
NCBCLL: 20.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.531
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.503
Spacing: 24.0 "	C&C Dist a: 4.10 ft	Rep Fac: Yes	Max Web CSI: 0.670
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.12

L	.um	ber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP M-31; B1 2x4 SP #2; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2X4 except as noted.

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

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

Wind loading based on both gable and hip roof types.

efI/CSI Criteria	▲ Maximum R	eactions (lb	s)		
P Deflection in loc L/defl L/#	Gravit	y	No	n-Grav	ity
ERT(LL): 0.085 L 999 240	Loc R+ /R	- / Rh	/ Rw	/U	/ RL
RT(CL): 0.150 L 999 180	B 497 /-	/-	/268	/91	/255
ORZ(LL): 0.016 E	R 1806 /-	/-	/946	/44	/-
ORZ(TL): 0.030 E	I 1290 /-	/-	/794	/118	/-
eep Factor: 2.0	Wind reactions based on MWFRS				
ax TC CSI: 0.531	B Brg Width	= 3.5	Min Red	q = 1.5	
ax BC CSI: 0.503	R Brg Width	= 5.5	Min Red	q = 1.8	
	I Brg Width	= 5.5	Min Red	q = 1.5	
ax Web CSI: 0.670	Bearings B, R,	& I are a rigi	d surface	e.	
	Members not I	isted have for	rces less	than 3	75#
	Maximum Top Chord Forces Per Ply (lbs)				
EW Ver: 20.01.01A.0724.12	Chords Tens.	Comp. C	hords	Tens.	Ćomp.

B-C	250 - 395	G-H	700 - 1650
E-F	650 - 1191	H - I	703 - 2032
F C	CEO 4404		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. C	omp.	
	532 - 117 1392 - 359	K-I	1738	- 506	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (Comp.
C-R	155 - 469	G-L	723	- 106
R-Q	451 - 1477	L-K	1705	- 501
Q-E	336 - 1299	L-H	158	- 445
E - O	1038 - 302			



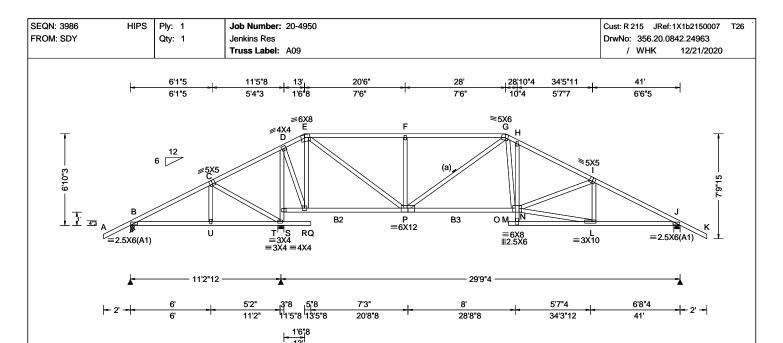
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Loading Criteria (p	sf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.096 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.178 H 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 L
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.031 L
NCBCLL: 20.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.592
Load Duration: 1.25		TPI Std: 2014	Max BC CSI: 0.846
Spacing: 24.0 "	C&C Dist a: 4.10 ft	Rep Fac: Yes	Max Web CSI: 0.772
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)					
Gravity Non-Gravity			∕ity		
R+	/ R-	/ Rh	/ Rw	/ U	/ RL
505	/-	/-	/277	/77	/228
1663	/-	/-	/924	/111	/-
1230	/-	/-	/778	/134	/-
nd read	tions b	ased on	MWFRS		
Brg V	/idth =	3.5	Min Re	q = 1.5	;
Brg V	/idth =	5.5	Min Re	q = 1.6	;
Brg V	/idth =	5.5	Min Re	q = 1.5	;
arings I	3, T, &	J are a ri	igid surfac	e.	
mbers	not liste	ed have f	forces less	than 3	375#
Maximum Top Chord Forces Per Ply (lbs)					
ords T	ens.Co	mp.	Chords	Tens.	Ćomp.
	G: R+ 505 1663 1230 nd read Brg W Brg W Brg W arings I mbers ximum	Gravity R+ / R- 505 /- 1663 /- 1230 /- nd reactions b Brg Width = Brg Width = Brg Width = Brings B, T, & mbers not liste ximum Top C	Gravity R+ /R- /Rh 505 /- /- 1663 /- /- 1230 /- /- nd reactions based on Brg Width = 3.5 Brg Width = 5.5 Brg Width = 5.5 arings B, T, & J are a r mbers not listed have ximum Top Chord Fo	Gravity No. R+ /R- /Rh /Rw 505 /- /- /277 1663 /- /- /924 1230 /- /- /778 nd reactions based on MWFRS Brg Width = 3.5 Min Re Brg Width = 5.5 Min Re Brg Width = 5.5 Min Re arings B, T, & J are a rigid surface mbers not listed have forces less ximum Top Chord Forces Per	Gravity Non-Grav CR+ /R- /Rh /Rw /U 505 /- /- /277 /77 1663 /- /- /924 /111 1230 /- /- /778 /134 nd reactions based on MWFRS Brg Width = 3.5 Min Req = 1.5 Brg Width = 5.5 Min Req = 1.5

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Wind loading based on both gable and hip roof types.

B-C	220 - 413	G-H	846	- 1718
E-F	718 - 1255	H-I		- 1805
F-G	718 - 1255	I - J	710	- 1946

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.comp.	Cnoras	rens. C	omp
P - M	1454 - 422	L-J	1693	- 524

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	webs	rens. (Jomp.
 С-Т	173 - 471	E-P	1290	- 480
T - S	484 - 1318	F-P	375	- 453
S - D	457 - 1328	G - M	810	- 252
D-R	1065 - 336	M - L	1721	- 511
E-R	371 - 936			



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



SEQN: 3931 HIPS Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T24 FROM: SDY DrwNo: 356.20.0842.22520 Qty: 1 Jenkins Res Truss Label: A10 / WHK 12/21/2020 6'1"5 11'3"12 19'5"8 25'11" 34'1"7 41' 6'1"5 5'2"7 6'5"8 6'5"8 6'10"9 ≡5X6 E =3X4 =5X6 G H **₹5**X5 **∌**5X5 =Q ≡4X8 T^戸S ∭4X5 ≡3X4 €6X6 €2.5X6(A1) =4X10 11'2"12 29'9"4 6'5"8 1'11"4 6'4"8 6'9"4 - 2' -25'11' 27'10"4 34'2"12

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.094 P 999 240 VERT(CL): 0.171 P 999 180 HORZ(LL): -0.019 Q - HORZ(TL): 0.035 Q -
NCBCLL: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.10 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.443 Max BC CSI: 0.882 Max Web CSI: 0.756
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.12

A M	▲ Maximum Reactions (lbs)					
	G	ravity	-	No	n-Grav	/ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	495	/-	/-	/278	/175	/228
Т	1735	/-	/-	/922	/270	/-
J	1236	/-	/-	/780	/299	/-
Wir	nd read	tions b	ased on	MWFRS		
В	Brg V	/idth =	3.5	Min Re	q = 1.5	;
Т	Brg V	/idth =	5.5	Min Re	q = 1.7	•
J	Brg V	/idth =	5.5	Min Re	q = 1.5	;
Bea	irings l	3, T, &	J are a r	igid surfac	e.	
Mei	mbers	not liste	ed have f	forces less	than 3	375#
Max	kimum	Top C	hord Fo	rces Per	Ply (lb	s)
Cho	ords T	ens.Co	mp.	Chords	Tens.	Ćomp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member

Plating Notes

All plates are 2X4 except as noted.

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

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

Wind loading based on both gable and hip roof types.

B-C	241 - 387	G-H	756 - 1495
E-F	698 - 1180	H - I	663 - 1438
F-G	698 - 1179	I - J	720 - 1951

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
Q - N M - L	1499 - 456 1674 - 533	L - J	1683 - 531	

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	webs	rens. (Jomp.
C - T	169 - 469	N - M	1423	- 401
T - S	470 - 1365	N - H	846	- 370
S-E	396 - 1200	M - H	166	- 403
E - Q	1293 - 446	M - I	208	- 543
F-Q	341 - 394	I-L	399	0
Q-G	117 - 425			



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FROM: SDY Qty: 1 DrwNo: 356.20.0842.13823 Jenkins Res Truss Label: A11 / WHK 12/21/2020 5'11" 11' 17'6"5 23'7"7 30' 35'2"12 5'11' 5'1" 6'6"5 6'1"1 6'4"9 5'2"12 5'9"4 =6X8 D ≡5X6 ∥2<u>X</u>4 ≡5X6 G **∌**3X4 C 5'10"3 (a) 15 6'9". $\stackrel{\text{M}}{=} \overset{\text{M}}{3} \overset{\text{M}}{8}$ Q |||2X4 O N ≡4X5 В2 ____K =3X4 $\equiv 2.5 \times 6(A1)$ €2.5X6(A1) =3X5 =3X6 11'2"12 29'9"4 1'4<u>"</u>9 25 5'9"4 5'2"12 5' 1'2"13 6'4"9 5' 11' 5'9"4 11' 16' 17'2"13 23'7"7 30 41

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00		Pf: NA Ce: NA	VERT(LL): 0.072 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.135 F 999 180
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.014 K
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.026 K
NCBCLL: 20.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.580
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.646
Spacing: 24.0 "	OGO DISCA. T. TO IC	Rep Fac: Yes	Max Web CSI: 0.989
	Loc. from endwall: not in 13.00 ft		
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.12
Lumber			

Job Number: 20-4950

			▲ M	laximu	ım Read	tions (lbs)		
oc L	/defl	L/#		G	ravity		No	n-Grav	∕ity
F	999	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	999	180	В	363	/-72	/-	/200	/52	/201
Κ	-	-	Р	1998	/-	/-	/1008	/194	/-
Κ	-	-	1	1151	/-	/-	/709	/110	/-
			Win	d reac	tions ba	sed on	MWFRS		
580			В	Brg W	/idth = 3	.5	Min Red	q = 1.5	;
646			Р	Brg W	/idth = 5	.5	Min Red	q = 1.5	;
			1	Brg W	/idth = 5	.5	Min Red	q = 1.5	;
989			Bea	ırings E	3, P, & I	are a ri	gid surface	ē.	
			Members not listed have forces less than 375#						
Ma				cimum	Top Ch	ord Fo	rces Per	Ply (lb	s)
1A.0724.12		Cho	ords T	ens.Cor	np.	Chords	Tens.	Ćomp.	

B - C - 182 F-G 593 - 1154 465 G-H C-D 797 - 237 567 - 1440 649 - 1743 D-E - 551 348 H - I F-F 592 - 1153

Cust: R 215 JRef: 1X1b2150007

Didollig
(a) Continuous lateral restraint equally spaced on
member.

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

Wind

Bracina

SEQN: 3969

HIPS

Ply: 1

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.comp.		Choras	rens. v	Jomp.
B - Q		- 394	N - M	598	- 112
Q - P		- 397	M - L	1265	- 281
P - O	423	- 668	L - K	1265	- 281
O - N		- 668	K - I	1504	- 473

Maximum Web Forces Per Ply (lbs)

webs	Tens.Comp.	Webs	Tens. (Jomp.
C-P	226 - 495	N - E	511	- 912
D - P	724 - 1631	E - M	770	- 336
D - N	1563 - 662	G-K	664	- 4



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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 3927 HIPS Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 FROM: SDY Qty: 1 DrwNo: 356.20.0842.10477 Jenkins Res Truss Label: A12 / WHK 12/21/2020 5'11" 11' 18'7"4 25'11" 35'2"12 41 30' 5'11' 5'1" 7'7"4 7'3"12 4'1" 5'2"12 5'9"4 ≡6X8 D =5X6 5'10"3 6.9 =4X10 S ∥2X4 ≡6X8 ∥2X4 K ≡4X10 =2.5X6(A1) =2.5X6(A1) 11'2"12 29'9"4 5'9"4 5'2"12 7'3"12 3'11"4 11'1"12 - 2' -- 5'9"4 **Կ**1'3"8 18'7"4 25'11" 29'10"4 41' 2'2" 13'5"8

Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria		
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#		
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.108 N 999 240		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.201 N 999 180		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.024 O		
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.044 O		
NCBCLL: 20.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0		
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.703		
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.650		
Spacing: 24.0 "	C&C Dist a: 4.10 ft	Rep Fac: Yes	Max Web CSI: 0.981		
	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.12		
Lumber					

▲ M	▲ Maximum Reactions (lbs)						
	(avity		No	on-Grav	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	505	/-	/-	/288	/168	/201	
R	1667	/-	/-	/888	/280	/-	
1	1236	/-	/-	/764	/299	/-	
Win	d rea	ctions b	ased on	MWFRS			
В	Brg \	Nidth =	3.5	Min Re	q = 1.5	;	
R	Brg \	Nidth =	5.5	Min Re	q = 1.5	;	
1	Brg \	Nidth =	5.5	Min Re	q = 1.5	j	
Bea	Bearings B, R, & I are a rigid surface.						
Mer	Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)							
Cho	Chords Tens.Comp. Chords Tens. Comp.						

B - C 916 - 1827 239 - 430 D-E 769 - 1347 G-H 695 - 1610 E-F 784 - 1931 769 - 1346

Bracing

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

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. C	omp.
0 - L	1835 - 650	K - I	1672	- 595

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	webs	rens. (Jomp.
 C - R	219 - 484	E-0	405	- 481
R - Q	497 - 1299	0 - F	212	- 578
D - Q	503 - 1272	L-K	1498	- 385
D - O	1772 - 701	L-G	689	- 386



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

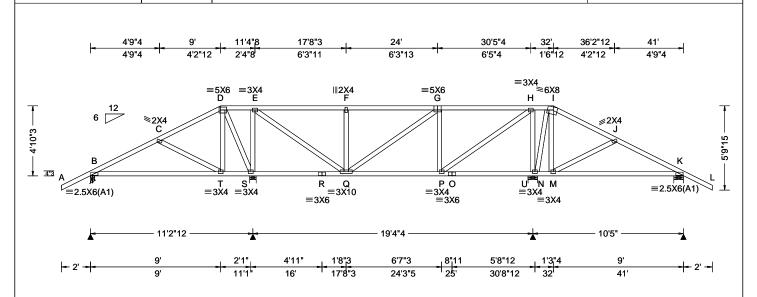
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SEQN: 3964 HIPS Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T10 FROM: SDY DrwNo: 356.20.0842.08703 Qty: 1 Jenkins Res Truss Label: A13 / WHK 12/21/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 V	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity
TCDL: 7.00 S	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.022 F 999 240	Loc R+ /R- /Rh /
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.042 F 999 180	B 452 /- /- /2
BCDL: 10.00 F	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.011 M	S 1343 /- /- /7
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.022 M	U 1289 /- /- /6
NCBCLL 20 00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	K 426 /- /- /2
0-#:4	TCDL: 4.2 psr	FBC 2017 RES	Max TC CSI: 0.465	Wind reactions based on MWF
	BCDL: 5.0 psr	TPI Std: 2014	Max BC CSI: 0.943	B Brg Width = 3.5 Min
	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.406	S Brg Width = 5.5 Min
	COC DISCA. 4. TO IL	·	Wax Web CSI. 0.406	U Brg Width = 8.0 Mi
	Loc. from endwall: not in 13.00 ft			K Brg Width = 8.0 Mi
	GCpi: 0.18	Plate Type(s):		Bearings B, S, U, & K are a rigi
V	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.12	Members not listed have forces

	G	iavity		INOII-Gravity			
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
В	452	/-	/-	/280	/17	/174	
S	1343	/-	/-	/709	/159	/-	
U	1289	/-	/-	/652	/151	/-	
K	426	/-	/-	/299	/50	/-	
Wii	nd read	tions b	ased on I	MWFRS			
В	Brg V	Vidth =	3.5	Min Re	q = 1.5	;	
s	Brg V			Min Re	q = 1.5	;	
U	Brg V	Vidth =	8.0	Min Re	q = 1.5	;	
K	Brg V	Vidth =	8.0	Min Re	q = 1.5	;	
Bea	Bearings B, S, U, & K are a rigid surface.						
Me							
Ma							
Ch	ords T	ens.Co	omp.	Chords	Tens.	Comp.	
S Brg Width = 5.5 Min Req = 1.5 U Brg Width = 8.0 Min Req = 1.5 K Brg Width = 8.0 Min Req = 1.5 Bearings B, S, U, & K are a rigid surface. Members of Listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens. Comp. Chords Tens. Comp.							

G-H

Non-Gravity

248

- 506

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

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

Q-P 512

E - F

F-G

Maximum Web Forces Per Ply (lbs)

234 - 510

234 - 510

16115.0	onip.	MEDS	i elis. v	Jonnp.
515	- 30	P-H	839	- 326
156	- 576	H - N	494	- 824
482	- 824	N - I	96	- 586
894	- 349	I - M	554	- 19
	515 156 482	515 - 30 156 - 576 482 - 824 894 - 349	515 - 30 P - H 156 - 576 H - N 482 - 824 N - I	515 -30 P-H 839 156 -576 H-N 494 482 -824 N-I 96



12/21/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

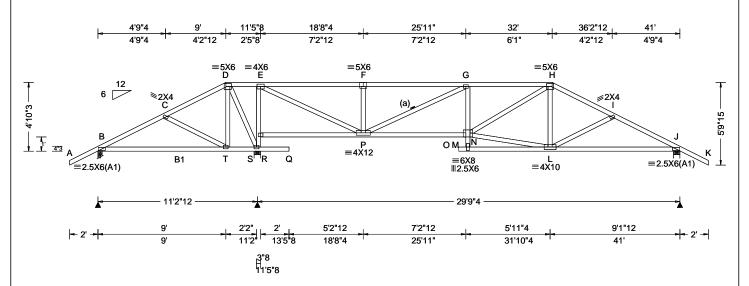
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 3921 HIPS Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T5 FROM: SDY Qty: 1 DrwNo: 356.20.0842.07083 Jenkins Res Truss Label: A14 / WHK 12/21/2020



Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria
Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/#
Pf: NA Ce: NA VERT(LL): 0.139 O 999 24
Lu: NA Cs: NA VERT(CL): 0.260 O 999 18
Snow Duration: NA HORZ(LL): -0.029 H
HORZ(TL): 0.055 H
Building Code: Creep Factor: 2.0
FBC 2017 RES Max TC CSI: 0.609
TPI Std: 2014 Max BC CSI: 0.885
Rep Fac: Yes Max Web CSI: 0.924
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 488 /285 /136 /174 1722 /-/-/877 /329 /s 1208 /-/729 /287 Wind reactions based on MWFRS Brg Width = 3.5 Min Req = 1.5 Brg Width = 5.5 Min Req = 1.7 Brg Width = 5.5 Min Req = 1.5Bearings B, S, & J are a rigid surface. Members not listed have forces less than 375# **Maximum Top Chord Forces Per Ply (lbs)** Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2;

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

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

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

Wind loading based on both gable and hip roof types.

B - C	196 - 385	G-H	1079	- 2248
E-F	766 - 1559	H - I	717	- 1696
F-G	766 - 1559	I-J	760	- 1910

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.	Choras	rens. (Jomp.
P - M	2267 - 853	L - J	1655	- 568

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	vvebs	rens. (.omp
D - T	527 - 36	F-P	311	- 410
D-S	74 - 596	P-G	366	-812
S - R	637 - 1285	M - L	1494	- 421
R-E	637 - 1238	M - H	915	- 462
E - P	2027 - 731			



12/21/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

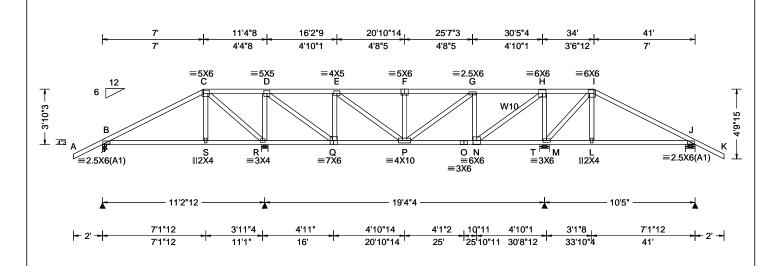
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SEQN: 3972 HIPS Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T11 FROM: SDY Qty: 1 DrwNo: 356.20.0842.05287 Jenkins Res Truss Label: A15 / WHK 12/21/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.081 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.150 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.018 L
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.035 L
NCBCLL: 20.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.922
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.913
Spacing: 24.0 "	C&C Dist a: 4.10 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.814
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.12

Gravity Non-Gravity Loc R+ /Rh /Rw /U В 340 /-95 /70 2223 /-/497 R /-Т 4018 /-/892 394 /98 /-Wind reactions based on MWFRS Brg Width = 3.5 В Min Req = 1.5 Brg Width = 5.5 Min Req = 2.2 Min Req = 4.7Brg Width = 8.0 Brg Width = 8.0Min Req = 1.5

▲ Maximum Reactions (lbs)

Bearings B, R, T, & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

/RL

/-

/-

/-

/-

B - C	581 - 146	F-G	479	- 2102
C - D	1009 - 235	G-H	249	- 1134
D - E	158 - 735	H - I	1339	- 301
E-F	479 - 2102			

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.c	omp.	Choras	i ens.	Comp.	
B-S S-R		- 498 - 493	P-0 O-N	1232 1232		
R-Q		- 888	N - M		- 200 - 1153	
Q-P	835	- 185				

Maximum Web Forces Per Ply (lbs)

maxiiii				
Webs	Tens.Comp.	Webs	Tens. Comp.	
C-S	383 0	P-G	1095 - 242	
C - R	175 - 883	G - N	459 - 1213	
R - D	425 - 1567	N - H	2887 - 627	
D - Q	2061 - 455	H - M	673 - 2299	
Q-E	340 - 1223	M - I	368 - 1820	
F-P	1595 - 368	1 - 1	669 0	

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W10 2x4 SP #2;

Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)					
TC: From	56 plf at	-2.00 to	56 plf at	20.91	
TC: From	28 plf at	20.91 to	28 plf at	34.00	
TC: From	56 plf at	34.00 to	56 plf at	43.00	
BC: From	4 plf at	-2.00 to	4 plf at	0.00	
BC: From	20 plf at	0.00 to	20 plf at	21.06	
BC: From	10 plf at	21.06 to	10 plf at	33.97	
BC: From	20 plf at	33.97 to	20 plf at	41.00	
BC: From	4 plf at	41.00 to	4 plf at	43.00	
TC: 164 lb	Conc. Load	at 21.94,23	3.94,25.94,2	7.94	
29.94,31.94					

TC: 399 lb Conc. Load at 33.97

BC: BC: 955 lb Conc. Load at 21.06 186 lb Conc. Load at 21.94,23.94,25.94,27.94

29.94,31.94

BC: 499 lb Conc. Load at 33.97

Wind

Wind loads and reactions based on MWFRS

Wind loading based on both gable and hip roof types.



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SEQN: 3917 HIPS Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T2 FROM: SDY DrwNo: 356.20.0842.03317 Qty: 1 Jenkins Res Truss Label: A16 / WHK 12/21/2020 11'7" 18'8"4 25'11" 29'9"4 34 41 7'1"4 7'2"12 3'10"4 4'2"12 **≡4X8** ≡5X6 C ≡5X10 D ≡5X6 E =4<u>X</u>6 **#7**X6 H T2 T3 G WQ (a) 3'10"3 -W4 W3 =8x14 В1 Т Κ =4X8(B3) ≡SS1017 €2.5X6(A1) ≡H1021 =4X6 11'2"12 29'9"4 7'1"12 7'2"12 3'10"12 7'1"12 4'0"4 3"8 5'2"12 4'0"8 7'1"12 11'2" 11'5"8 18'8"4 25'11" 29'11"8 33'10"4 41 13'5"8

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.405 O 878 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.771 O 462 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.060 H
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft	D. Hallow On dec	HORZ(TL): 0.113 H
NCBCLL: 0.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.735
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.854
Spacing: 24.0 "	C&C Dist a: 4.10 ft	Rep Fac: No	Max Web CSI: 0.995
	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
Louis	Wind Duration: 1.60	WAVE, 18SS, HS	VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)						
	G	ravity		No	on-Grav	∕ity
Lo	c R+	/ R-	/ Rh	/ Rw	/U	/ RL
В	435	/-	/-	/-	/122	/-
S	3795	/-	/-	/-	/750	/-
1	2175	/-	/-	/-	/466	/-
Wi	nd read	tions b	ased on	MWFRS		
В	Brg V	Vidth =	3.5	Min Re	q = 1.5	;
S	Brg V	Vidth =	5.5	Min Re	q = 4.1	
1	Brg V	Vidth =	5.5	Min Re	q = 1.8	}
Be	arings l	B, S, &	I are a ri	gid surfac	e.	
Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)						
Ch	ords T	ens.Co	omp.	Chords	Tens.	Ćomp.

F-G

G-H

Chords

G-L

L-H

K - H

H - I

976 - 191

842 - 4318

842 - 4318

711 - 2648

5627 - 1084

397 - 837

Chords Tens.Comp.

Maximum Bot Chord Forces Per Ply (lbs)

1336 - 6613

Tens. Comp.

- 3934

846 - 4306

799

478

1125

564

- 1804

- 223

0

Lumber

Top chord: 2x4 SP #2; T2,T3 2x4 SP M-31; Bot chord: 2x4 SP M-31; B1 2x4 SP #2; Webs: 2x4 SP #3; W3,W4 2x4 SP M-31; W8, W9 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member

Plating Notes

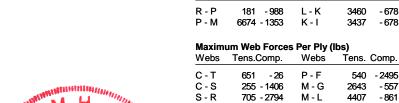
All plates are 2X4 except as noted.

Loading

#1 hip supports 7-0-0 jacks with no webs.

Left side jacks have 7-0-0 setback with 0-0-0 cant and 2-0-0 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 2-0-0 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and 2-0-0 overhang.

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



R - D

D-P

E - P

C-D

D-E

E-F



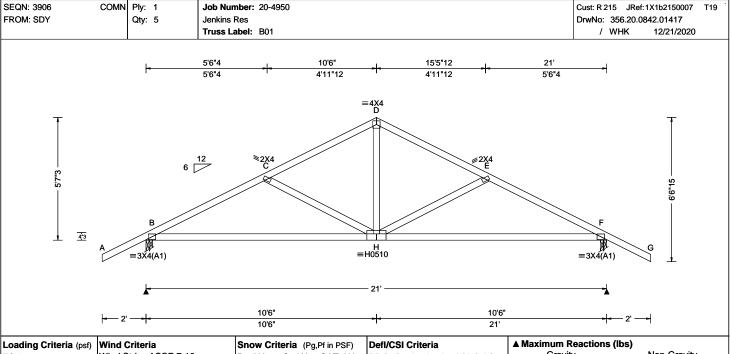
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Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	14
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.039 H 999 240 VERT(CL): 0.071 H 999 180 HORZ(LL): 0.014 H HORZ(TL): 0.025 H Creep Factor: 2.0 Max TC CSI: 0.334 Max BC CSI: 0.630 Max Web CSI: 0.315	
Lumber	TVIIIG Baradon. 1.00	WAVE, HS	VIL. VOI. 20.01.01A.0724.12	٦ (

	▲ Ma	ximu	ım Rea	ctions	(lbs)			_
		G	ravity		N	Ion-Grav	vity	
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
0	В 9	15	/-	/-	/530	/204	/186	_
	F 9	15	/-	/-	/530	/204	/-	
	Wind	read	ctions b	ased or	n MWFRS			
	ВЕ	3rg V	Vidth =	3.5	Min R	eq = 1.5	5	
	F E	3rg V	Vidth =	3.5	Min R	eq = 1.5	5	
	Beari	ngs l	B&Fa	re a rig	id surface.			
	Meml	oers	not liste	ed have	forces les	ss than 3	375#	
	Maxi	mun	Top C	hord F	orces Pe	r Ply (lb	s)	
	Chord	ds 1	Tens.Co	mp.	Chords	Tens.	Ćomp.	_
	B-C		646 -	1257	D-E	509	- 1004	
	C-D			1004		647	- 1257	

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

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

1073 - 459 1073

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

D-H 828 - 166



12/21/2020

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Ply: 1 FROM: SDY DrwNo: 356.20.0841.59433 Qty: 3 Jenkins Res Truss Label: B02 / WHK 12/21/2020 5'6"4 10'6" 15'5"12 21' 5'6"4 4'11"12 4'11"12 5'6"4 ≡4X4 [≥]2X4 C 4*3 G H ≡5X6 =2X4(A1) 11'2"12 9'9"4 10'6" 10'6" 10'6' 21

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 20.00 Soffit: 2.00 Load Duration: 1.25	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.026 G 999 240	Gravity Loc R+ /R- /Rh /
Lumbor				

Job Number: 20-4950

SEQN: 3910

COMN

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Wind loading based on both gable and hip roof types.

flection in loc L/defl L/#					Gravity			No	Non-Gravity		
	0.026 G			Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/RL	
	0.050 G		180	В	735	/-	/-	/432	/174	/167	
(LL):	0.014 G	-	-	Н	436	/-	/-	/209	/72	/-	
TL):	0.028 G	-	-	F	572	/-	/-	/324	/124	/-	
Facto	r: 2.0			Wi	nd rea	ctions b	ased on I	MWFRS			
c csi	: 0.434			В		Nidth =		Min Re	q = 1.5	;	
C CS				Н		Nidth =		Min Re		,	
	. 0.0.0				Dra V	1/idth _		Min Do	~ _		

B - C

Brg Width = -Min Req = -Bearings B & H are a rigid surface.

Cust: R 215 JRef: 1X1b2150007

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

222 - 544 C-D E-F 352 - 859

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

B - G 720 - 246 G-F 1447 - 486

D-E

- 542

232

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

344 - 857

D - G 423



12/21/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

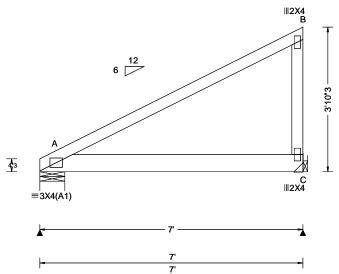
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SEQN: 3913 MONO Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T20 FROM: SDY DrwNo: 356.20.0841.58047 Qty: 1 Jenkins Res Truss Label: B03 / WHK 12/21/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.035 C
Doc 1 d 27 00	EXP: C Kzt: NA		HORZ(TL): 0.063 C
MODOLL, 20 00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
0.40	BCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.863
	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.933
1	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.300
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18		
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1221 /-/291 955 /-/-/233 Wind reactions based on MWFRS Brg Width = 8.0 Min Reg = 1.5Brg Width = -Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 56 plf at 0.00 to 56 plf a BC: From 10 plf at 0.00 to 10 plf a BC: 572 lb Conc. Load at 1.06, 3.06, 5.06 56 plf at 10 plf at

Hangers / Ties

(J) Hanger Support Required, by others

Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

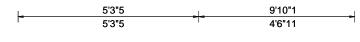
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

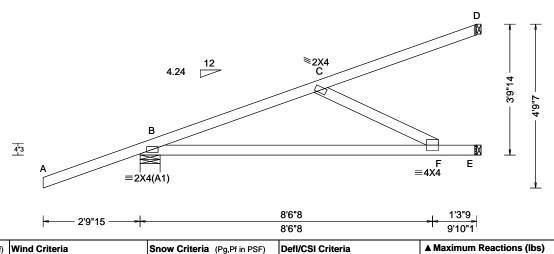
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SEQN: 3902 HIP_ Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T21 FROM: SDY DrwNo: 356.20.0841.49337 Qty: 3 Jenkins Res Truss Label: HJ7 / WHK 12/21/2020





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	No
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.130 F 892 240	Loc R+ /R- /Rh /	/ Rw
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.237 F 490 180	B 489 /- /- /	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.029 C	E 313 /- /- /	/-
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.053 C	D 235 /- /- /	/-
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	Wind reactions based on MWI	_
0-4:4	·	FBC 2017 RES	Max TC CSI: 0.820		lin Rec
	BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.923		lin Rec
	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.388	D Brg Width = 1.5 Mi Bearing B is a rigid surface.	lin Rec
-1 3	Loc. from endwall: NA	FT/RT:20(0)/10(0)		Members not listed have force	e loce
	GCpi: 0.18	Plate Type(s):		- Maximum Top Chord Forces	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.12	Chords Tens.Comp.	, . CI I

	W" 1D " 400	Plate Type(s): WAVE	VIEW Ver: 20.01.01A.0724.12	Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.
mber				D 0 404 405

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

Loading

Lum

Hipjack supports 6-11-8 setback jacks with no webs.

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

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord. Provide (3) 16d common(0.162"x3.5") toe-nails at bottom chord.

- 465 181 Maximum Bot Chord Forces Per Ply (lbs)

Members not listed have forces less than 375#

Non-Gravity

/132 /-

/105

/RL

/Rw /U

Min Req = 1.5

Min Req = -

Min Req = -

Chords Tens.Comp. 422 - 156

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

C-F 182 - 469



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

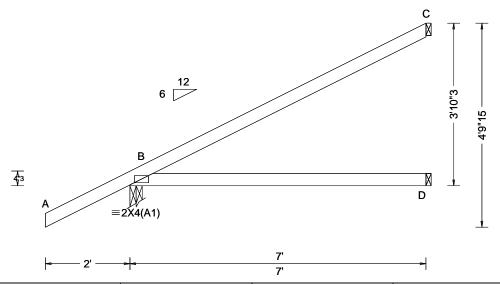
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 3896 **EJAC** Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T15 FROM: SDY DrwNo: 356.20.0841.52333 Qty: 16 Jenkins Res Truss Label: EJ7 / WHK 12/21/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
Coading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft	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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	DefI/CSI Criteria
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 20.01.01A.0724.12
Laurabana			

▲ M	▲ Maximum Reactions (lbs)									
	G	ravity		No	on-Gra	vity				
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL				
В	411	/-	/-	/274	/69	/151				
D	186	/-	/-	/67	/-	/-				
С	164	/-	/-	/95	/97	/-				
Win	nd read	ctions b	ased on I	MWFRS						
В	Brg V	Vidth =	3.5	Min Re	q = 1.5	5				
D	Brg V	Vidth =	1.5	Min Re	q = -					
С	Brg V	Vidth =	1.5	Min Re	q = -					
Bea	Bearing B is a rigid surface.									
Mer	mbers	not list	ed have f	orces les	s than	375#				

Lumber

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord. Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

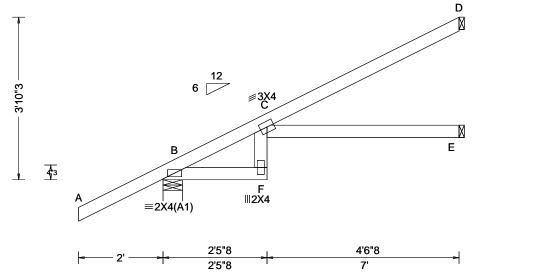
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 3899 **EJAC** Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 FROM: SDY DrwNo: 356.20.0841.50740 Qty: 6 Jenkins Res Truss Label: EJ7A / WHK 12/21/2020



Coading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 20.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 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:	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.174 F 471 240 VERT(CL): 0.321 F 256 180 HORZ(LL): 0.102 E - HORZ(TL): 0.189 E - Creep Factor: 2.0	L E E
Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max TC CSI: 0.800 Max BC CSI: 0.421 Max Web CSI: 0.057 VIEW Ver: 20.01.01A.0724.12	E C E N

▲ Maximum Reactions (lbs)									
	G	avity		No	on-Gra	vity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
В	411	/-	/-	/274	/30	/109			
Е	147	/-	/-	/53	/-	/-			
D	180	/-	/-	/108	/60	/-			
Wir	nd read	ctions b	ased on I	MWFRS					
В	Brg V	Vidth =	5.5	Min Re	q = 1.5	5			
Ε	Brg V	Vidth =	1.5	Min Re	q = -				
D	Brg V	Vidth =	1.5	Min Re	q = -				
Bearing B is a rigid surface.									
Mei	mbers	not list	ed have f	orces les	s than	375#			

Lumber

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

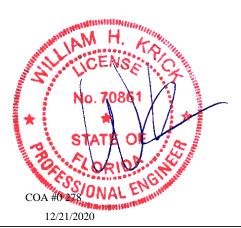
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord. Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

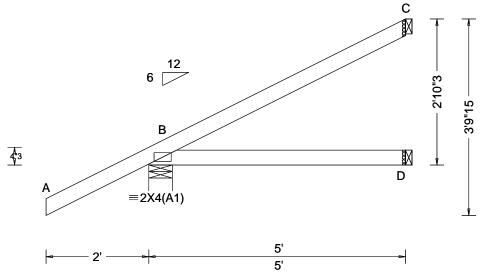
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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 3893 **JACK** Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T12 FROM: SDY DrwNo: 356.20.0841.53647 Qty: 6 Jenkins Res Truss Label: CJ5 / WHK 12/21/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria						
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#						
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA						
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 D						
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.009 D						
NCBCLL: 20.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0						
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.379						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.344						
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000						
'	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)							
	GCpi: 0.18	Plate Type(s):							
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.12						
Lumbor									

Gravity			Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	343	/-	/-	/236	/66	/116
D	129	/-	/-	/46	/-	/-
С	108	/-	/-	/60	/66	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	5.5	Min Re	q = 1.5	5
D	Brg V	Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bea	ıring B	is a rig	id surfac	e.	-	
Mer	nbers	not list	ed have f	orces les	s than	375#

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord. Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



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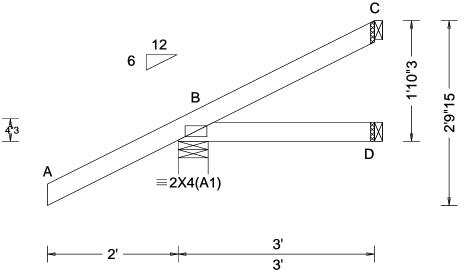
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SEQN: 3890 **JACK** Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T13 FROM: SDY DrwNo: 356.20.0841.54950 Qty: 6 Jenkins Res Truss Label: CJ3 / WHK 12/21/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 D
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.002 D
NCBCLL: 20.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.542
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.104
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.12

Gravity			Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
		/-	/-	/208	/66	/81
D	71	/-	/-	/25	/1	/-
С	44	/-	/-	/24	/31	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	5.5	Min Re	q = 1.5	5
D	Brg V	Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bea	ıring B	is a rig	id surfac	e.	•	
Mer	nbers	not list	ed have f	orces les	s than	375#

Lumber

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord. Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



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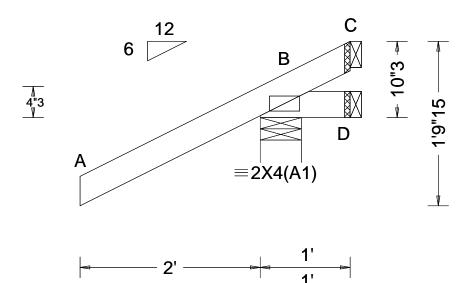
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org





SEQN: 3887 **JACK** Ply: 1 Job Number: 20-4950 Cust: R 215 JRef: 1X1b2150007 T14 FROM: SDY DrwNo: 356.20.0841.56723 Qty: 6 Jenkins Res Truss Label: CJ1 / WHK 12/21/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 20.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 D HORZ(TL): 0.001 D Creep Factor: 2.0 Max TC CSI: 0.542 Max BC CSI: 0.072 Max Web CSI: 0.000
Lumber	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)							
	Gravity			Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	326	/-	/-	/260	/123	/45	
D	7	/-34	/-	/26	/30	/-	
С	-	/-96	/-	/60	/88	/-	
Wind reactions based on MWFRS							
B Brg Width = 5.5			Min Re	Min Req = 1.5			
D Brg Width = 1.5			Min Req = -				
С	Brg V	Vidth =	1.5	Min Re	q = -		
Bearing B is a rigid surface.							
Members not listed have forces less than 375#							

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord. Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



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.

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.



CLR Reinforcing Member Substitution

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

Notes:

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

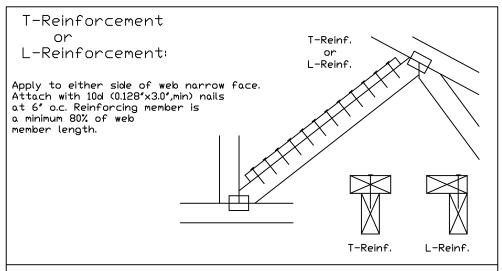
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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

Web Member	Specified CLR		re Reinforecement	
Size	Restraint		Reinf. Scab Reinf.	
2x3 or 2x4	1 row	2×4	1-2×4	
2x3 or 2x4	2 rows	2×6	2-2×4	
2×6	1 row	2×4	1-2×6	
	2 rows	2×6	2-2×4(※)	
2×8	1 row	2x6	1-2×8	
	2 rows	2x6	2-2×6(*)	

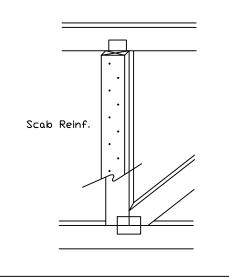
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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



Scab Reinforcement:

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



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

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

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REF CLR Subst.

DATE 01/02/19

DRWG BRCLBSUB0119

ALPINE AN ITW COMPANY

514 Earth City Expressway Suite 242 Earth City, MO 63045

