ALPINE
AN ITW COMPANY

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COA #0 278
12/09/2020

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	*Job Number:* 20-4954
Job Description: Lot 11 Westwind Estates	
Address:	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	*IntelliVIEW Version:* 20.01.01A *JRef #:* 1X112150003
Wind Standard: ASCE 7-16 *Wind Speed (mph):* 130 *Building Type:* Closed	*Design Loading (psf):* 37.00

This package contains general notes pages, 31 truss drawing(s) and 2 detail(s).

Item	Drawing Number	Truss
1	344.20.0830.25510	A01
3	344.20.0830.37580	A03
5	344.20.0830.41717	A05
7	344.20.0830.45957	A07
9	344.20.0830.50223	A09
11	344.20.0831.08673	A11
13	344.20.0831.29480	A13
15	344.20.0831.55913	B01
17	344.20.0832.00347	C01
19	344.20.0832.10980	C03
21	344.20.0832.42870	PB1
23	344.20.0832.38153	HJ7
25	344.20.0832.29737	EJ7
27	344.20.0832.19517	CJ5
29	344.20.0832.15817	CJ3
31	344.20.0832.12863	CJ1
33	PB160160118	

Item	Drawing Number	Truss
2	344.20.0830.35653	A02
4	344.20.0830.39870	A04
6	344.20.0830.43553	A06
8	344.20.0830.48240	A08
10	344.20.0831.06760	A10
12	344.20.0831.27047	A12
14	344.20.0831.53710	A14
16	344.20.0831.58473	B02
18	344.20.0832.06837	C02
20	344.20.0832.23303	D01
22	344.20.0832.45673	PB2
24	344.20.0832.32430	HJ5
26	344.20.0832.27000	EJ5
28	344.20.0832.20960	CJ5A
30	344.20.0832.17470	CJ3A
32	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.

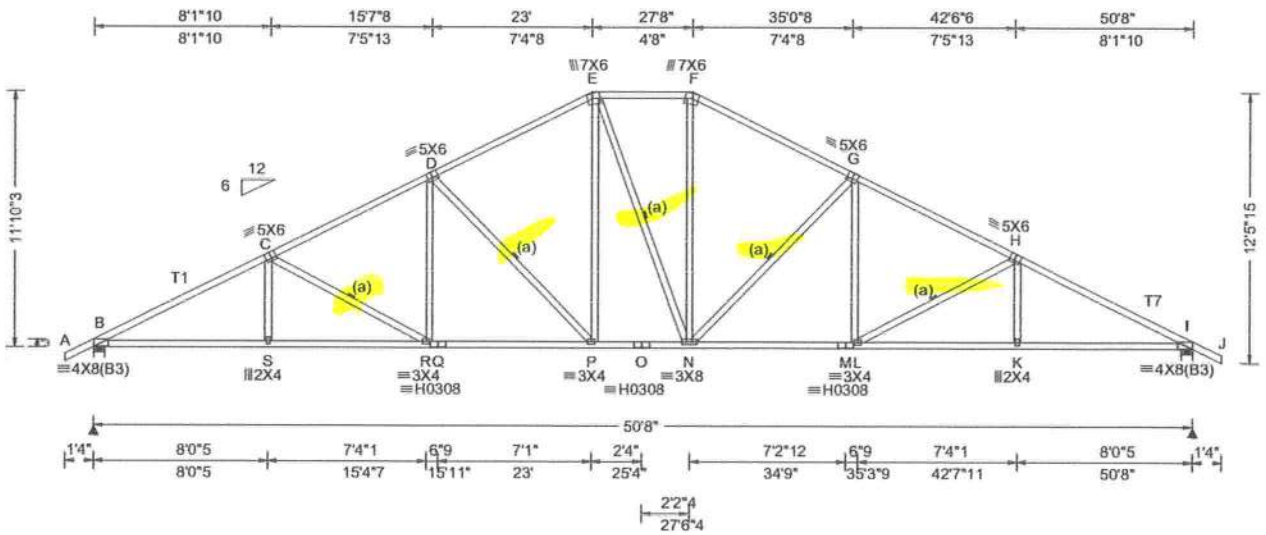
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze 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: 3049 HIPS FROM: SDY	Ply: 1 Qty: 10	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** A01		Cust: R 215 JRef: 1X112150003 T21 DrwNo: 344.20.0830.25510 KD / WHK 12/09/2020	



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):	0.299 P	999	240	
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL):	0.518 P	999	240	
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL):	0.114 K	-	-	
Des Ld:	37.00	EXP: C Kzt: NA		HORZ(TL):	0.197 K	-	-	
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0				
Soffit:	2.00	TCDL: 4.2 psf	FBC 2017 RES	Max TC CSI:	0.814			
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI:	0.476			
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI:	0.561			
		C&C Dist a: 5.07 ft	FT/RT:20(0)/10(0)					
		Loc. from endwall: not in 13.00 ft	Plate Type(s):	VIEW Ver: 20.01.01A.0724.12				
		GCpi: 0.18	WAVE, HS					
		Wind Duration: 1.60						

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2194	/-	/-	/1148	/93	/358
I	2191	/-	/-	/1148	/93	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.8
I Brg Width = 6.0 Min Req = 1.8
Bearings B & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1038	-4071	F - G	913	-2774
C - D	984	-3506	G - H	984	-3500
D - E	916	-2791	H - I	1038	-4065
E - F	888	-2403			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	3555	-830	O - N	2406	-423
S - R	3553	-831	N - M	3033	-627
R - Q	3039	-644	M - L	3033	-627
Q - P	3039	-644	L - K	3547	-814
P - O	2406	-423	K - I	3550	-813

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - R	225	-572	N - F	876	-201
R - D	560	-33	N - G	322	-923
D - P	322	-921	G - L	561	-32
E - P	894	-175	L - H	225	-572

Lumber

Top chord: 2x4 SP #2; T1,T7 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

COA #0 278

12/09/2020

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

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

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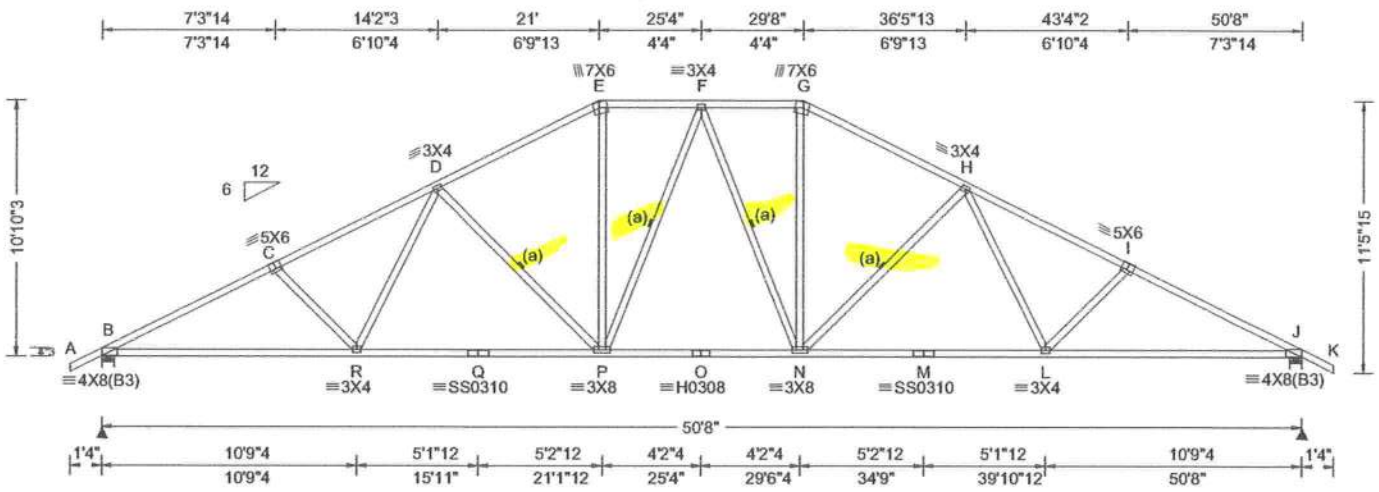
SEQN: 3046 HIPS FROM: SDY	Ply: 1 Qty: 2	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** A02		Cust: R 215 JRef: 1X112150003 T20 DrwNo: 344.20.0830.35653 KD / WHK 12/09/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
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 to 2h
C&C Dist a: 5.07 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

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)
Plate Type(s):
WAVE, 18SS, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.345	F	999	240
VERT(CL): 0.583	F	999	240
HORZ(LL): 0.120	L	-	-
HORZ(TL): 0.203	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.846
Max BC CSI: 0.640
Max Web CSI: 0.519

VIEW Ver: 20.01.01A.0724.12

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2278	/-	/-	/1145	/98	/330
J	2278	/-	/-	/1145	/98	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.9
J Brg Width = 6.0 Min Req = 1.9
Bearings B & 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.
B - C	1175	-4275	F - G	999	-2710
C - D	1141	-4012	G - H	1034	-3106
D - E	1034	-3106	H - I	1141	-4012
E - F	999	-2710	I - J	1175	-4275

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - R	3743	-958	O - N	2744	-590
R - Q	3250	-789	N - M	3250	-772
Q - P	3250	-789	M - L	3250	-772
P - O	2744	-590	L - J	3743	-941

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - D	624	-57	N - G	1018	-240
D - P	316	-788	N - H	316	-788
E - P	1018	-240	H - L	624	-57

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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12/09/2020

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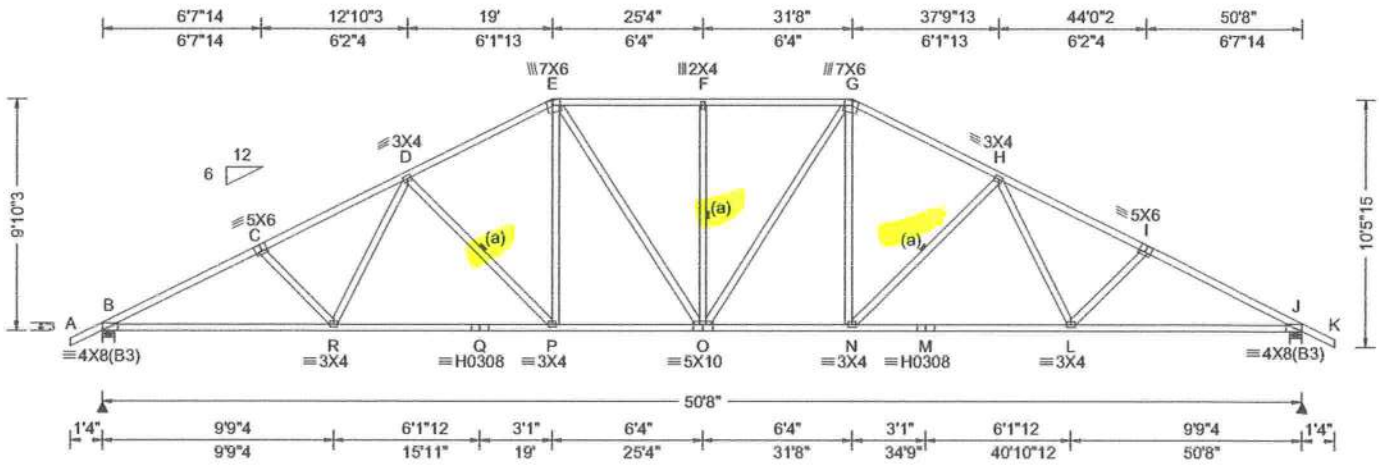
SEQN: 3043 HIPS	Ply: 1	Job Number: 20-4954	Cust: R 215 JRef: 1X112150003 T19
FROM: SDY	Qty: 2	Lot 11 Westwind Estates	DrwNo: 344.20.0830.37580
		Truss Label: A03	KD / WHK 12/09/2020



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): 0.352 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.595 F 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.121 L - -
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.204 L - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 2017 RES	Max TC CSI: 0.660
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.560
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.430
	C&C Dist a: 5.07 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	VIEW Ver: 20.01.01A.0724.12
	GCpi: 0.18	WAVE, HS	
	Wind Duration: 1.60		

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2281	/-	/-	/1140	/106	/301
J	2281	/-	/-	/1140	/106	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.9
J Brg Width = 6.0 Min Req = 1.9
Bearings B & 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.
B - C	1216	-4302	F - G	1122	-3040
C - D	1187	-4065	G - H	1098	-3291
D - E	1098	-3291	H - I	1187	-4065
E - F	1123	-3040	I - J	1216	-4302

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - R	3771	-1001	O - N	2871	-639
R - Q	3347	-855	N - M	3347	-838
Q - P	3347	-855	M - L	3347	-838
P - O	2871	-656	L - J	3771	-984

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - D	530	-47	G - N	840	-129
D - P	286	-685	N - H	286	-685
E - P	840	-129	H - L	530	-47

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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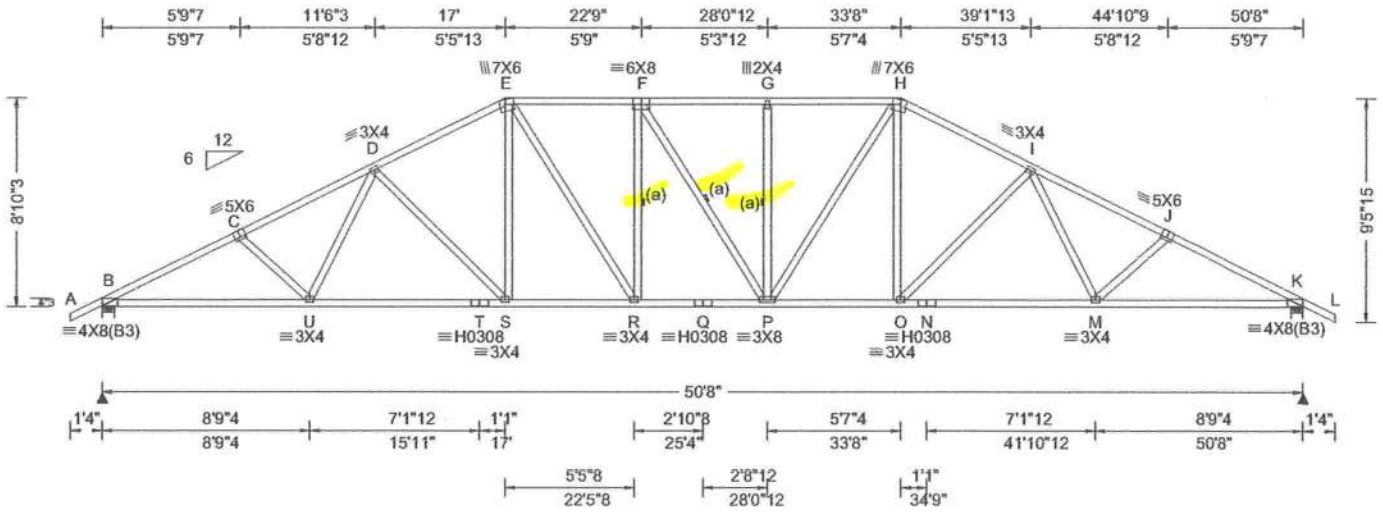
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3040 HIPS FROM: SDY	Ply: 1 Qty: 2	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** A04	Cust: R 215 JRef: 1X112150003 T18 DrwNo: 344.20.0830.39870 KD / WHK 12/09/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 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 to 2h C&C Dist a: 5.07 ft Loc. from endwall: not in 13.00 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, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.367 G 999 240 VERT(CL): 0.622 G 972 240 HORZ(LL): 0.123 M - - HORZ(TL): 0.208 M - - Creep Factor: 2.0 Max TC CSI: 0.608 Max BC CSI: 0.490 Max Web CSI: 0.747 VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2272	/-	/-	/1133	/113	/273
K	2267	/-	/-	/1133	/113	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.9
K Brg Width = 6.0 Min Req = 1.9
Bearings B & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1252	-4307	G - H	1214	-3317
C - D	1221	-4093	H - I	1158	-3429
D - E	1158	-3440	I - J	1221	-4081
E - F	1208	-3324	J - K	1252	-4295
F - G	1214	-3317			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - U	3781	-1042	Q - P	3333	-847
U - T	3424	-915	P - O	3001	-719
T - S	3424	-915	O - N	3414	-898
S - R	3012	-734	N - M	3414	-898
R - Q	3333	-847	M - K	3771	-1025

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - D	436	-27	P - H	576	-252
D - S	261	-594	H - O	715	-124
E - S	708	-124	O - I	262	-595
E - R	579	-246	I - M	435	-27

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

COA #0 278

12/09/2020

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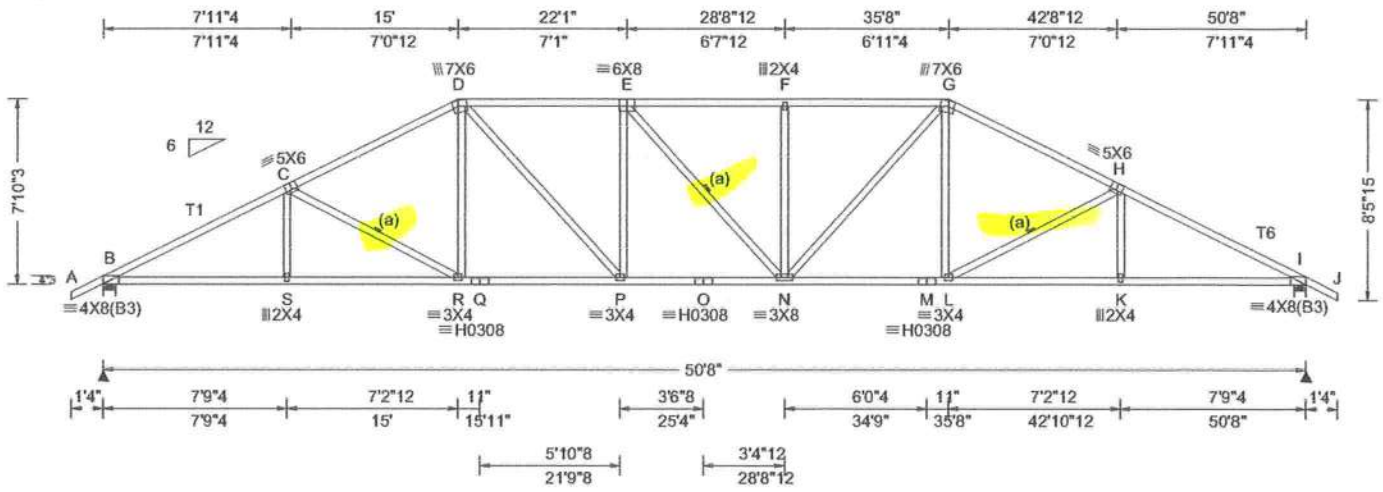
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3037 HIPS FROM: SDY	Ply: 1 Qty: 2	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** A05		Cust: R 215 JRef: 1X112150003 T17 DrwNo: 344.20.0830.41717 KD / WHK 12/09/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
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 to 2h
C&C Dist a: 5.07 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

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)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.352	F	999	240
VERT(CL): 0.613	F	985	240
HORZ(LL): 0.118	K	-	-
HORZ(TL): 0.205	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.794
Max BC CSI: 0.472
Max Web CSI: 0.615

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2191	/-	/-	/1121	/117	/245
I	2182	/-	/-	/1121	/117	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.8
I Brg Width = 6.0 Min Req = 1.8
Bearings B & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1258	-4077	F - G	1345	-3606
C - D	1207	-3517	G - H	1206	-3499
D - E	1338	-3620	H - I	1258	-4058
E - F	1345	-3606			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	3563	-1032	O - N	3634	-1014
S - R	3560	-1034	N - M	3048	-813
R - Q	3064	-819	M - L	3048	-813
Q - P	3064	-819	L - K	3544	-1017
P - O	3634	-1014	K - I	3546	-1015

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - R	246	-567	N - G	824	-316
D - R	517	-53	G - L	525	-53
D - P	831	-307	L - H	246	-567

Lumber

Top chord: 2x4 SP #2; T1,T6 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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COA #0 278

12/09/2020

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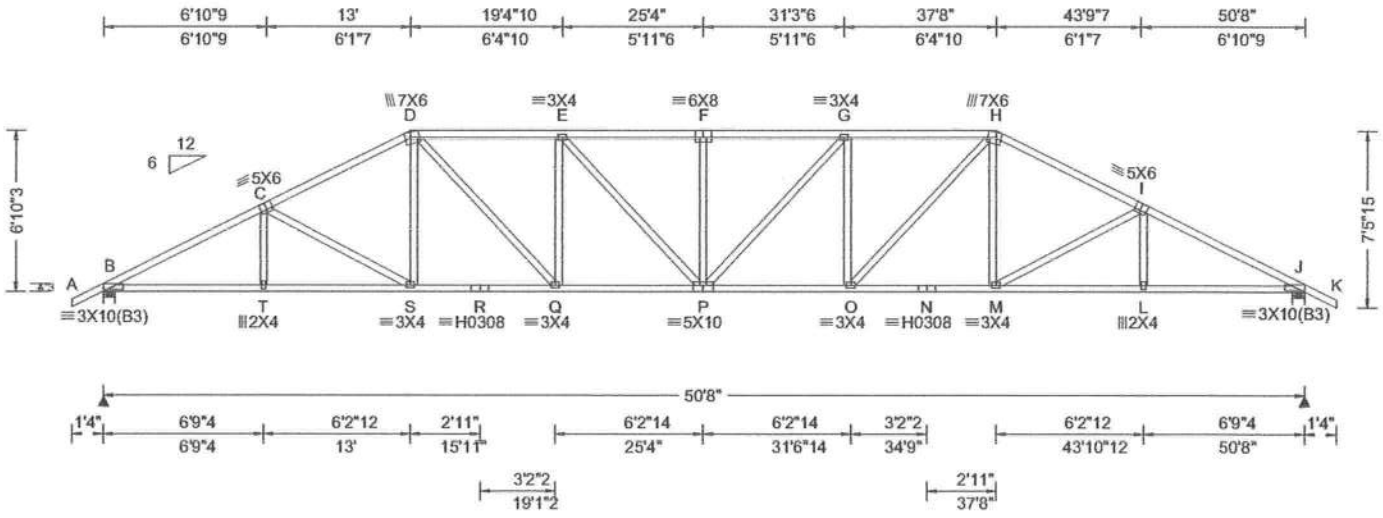
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3032 HIPS FROM: SDY	Ply: 1 Qty: 1	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** A06	Cust: R 215 JRef: 1X112150003 T16 DrwNo: 344.20.0830.43553 KD / WHK 12/09/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
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 to 2h
C&C Dist a: 5.07 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

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)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.400	F	999	240
VERT(CL): 0.749	F	806	240
HORZ(LL): 0.139	L	-	-
HORZ(TL): 0.260	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.575
Max BC CSI: 0.952
Max Web CSI: 0.609

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1997	/-	/-	/1109	/181	/217
J	1997	/-	/-	/1109	/181	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 2.4
J Brg Width = 6.0 Min Req = 2.4
Bearings B & 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.
B - C	1297	- 3689	F - G	1515	- 3680
C - D	1269	- 3221	G - H	1458	- 3454
D - E	1458	- 3454	H - I	1269	- 3221
E - F	1515	- 3680	I - J	1297	- 3689

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - T	3224	- 1076	P - O	3479	- 1191
T - S	3221	- 1077	O - N	2813	- 899
S - R	2813	- 893	N - M	2813	- 899
R - Q	2813	- 893	M - L	3221	- 1061
Q - P	3479	- 1175	L - J	3224	- 1059

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - S	211	- 469	G - O	361	- 568
D - S	424	- 48	O - H	940	- 405
D - Q	940	- 405	H - M	424	- 48
Q - E	361	- 568	M - I	211	- 469

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

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COA #0 278

12/09/2020

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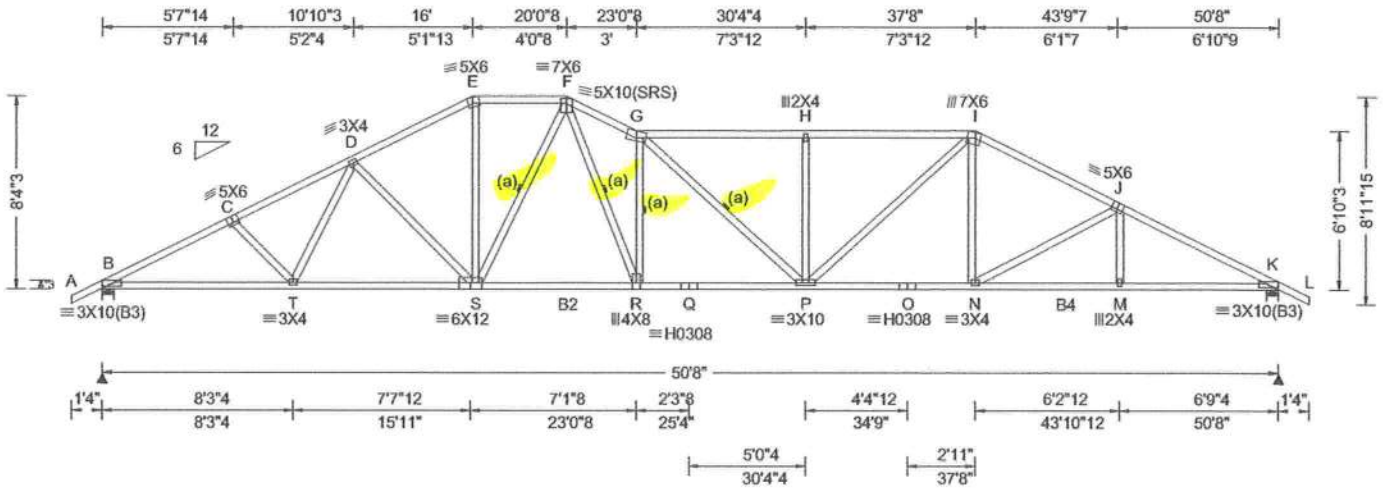
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3052 SPEC	Ply: 1	**Job Number:** 20-4954	Cust: R 215 JRef: 1X112150003 T33
FROM: SDY	Qty: 1	Lot 11 Westwind Estates	DrwNo: 344.20.0830.45957
		Truss Label: A07	KD / WHK 12/09/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
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 to 2h
C&C Dist a: 5.07 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

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)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.408	G	999	240
VERT(CL): 0.764	G	791	240
HORZ(LL): 0.118	M	-	-
HORZ(TL): 0.221	M	-	-

Creep Factor: 2.0
Max TC CSI: 0.822
Max BC CSI: 0.950
Max Web CSI: 0.879

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1997	/-	/-	/1118	/164	/259
K	1997	/-	/-	/1113	/125	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.7
K Brg Width = 6.0 Min Req = 2.4
Bearings B & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1373	-3704	G - H	1573	-3561
C - D	1353	-3511	H - I	1574	-3561
D - E	1287	-2956	I - J	1322	-3225
E - F	1213	-2600	J - K	1360	-3687
F - G	1832	-4126			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - T	3246	-1129	P - O	2818	-949
T - S	2945	-1022	O - N	2818	-949
S - R	2844	-970	N - M	3219	-1117
R - Q	3650	-1310	M - K	3222	-1115
Q - P	3650	-1310			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
T - D	401	-25	G - R	1029	-2029
D - S	248	-518	H - P	369	-437
E - S	1033	-359	P - I	997	-459
S - F	311	-561	I - N	444	-43
F - R	2308	-1022	N - J	209	-461

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B2,B4 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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COA #0 278

12/09/2020

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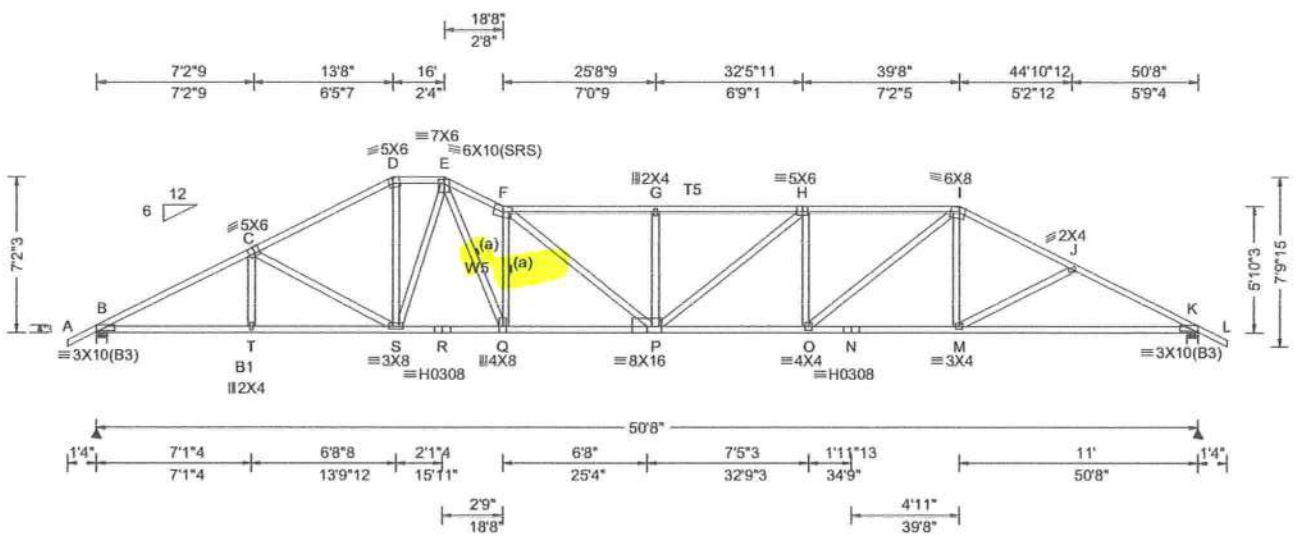
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3027 SPEC	Ply: 1	Job Number: 20-4954	Cust: R 215 JRef: 1X112150003 T1
FROM: SDY	Qty: 1	Lot 11 Westwind Estates	DrwNo: 344.20.0830.48240
		Truss Label: A08	KD / WHK 12/09/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
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: 5.07 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

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)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL):	0.458	G	999	240
VERT(CL):	0.858	G	704	240
HORZ(LL):	0.123	D	-	-
HORZ(TL):	0.230	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.879
Max BC CSI: 0.934
Max Web CSI: 0.844

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1994	/-	/-	/1101	/438	/227
K	1996	/-	/-	/1095	/441	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 2.4
K Brg Width = 6.0 Min Req = 1.7
Bearings B & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1360	-3677	G - H	1828	-4361
C - D	1299	-3161	H - I	1692	-3969
D - E	1237	-2775	I - J	1338	-3377
E - F	1927	-4545	J - K	1415	-3672
F - G	1828	-4361			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - T	3211	-1111	P - O	4004	-1467
T - S	3208	-1113	O - N	2967	-999
S - R	3000	-1011	N - M	2967	-999
R - Q	3000	-1011	M - K	3221	-1169
Q - P	4027	-1431			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - S	223	-521	G - P	348	-404
D - S	1090	-382	P - H	462	-242
S - E	355	-742	H - O	415	-680
E - Q	2843	-1232	O - I	1284	-573
F - Q	1211	-2549	I - M	437	-2
F - P	425	-215			

Lumber

Top chord: 2x4 SP #2; T5 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3; W5 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

COA #0 278

12/09/2020

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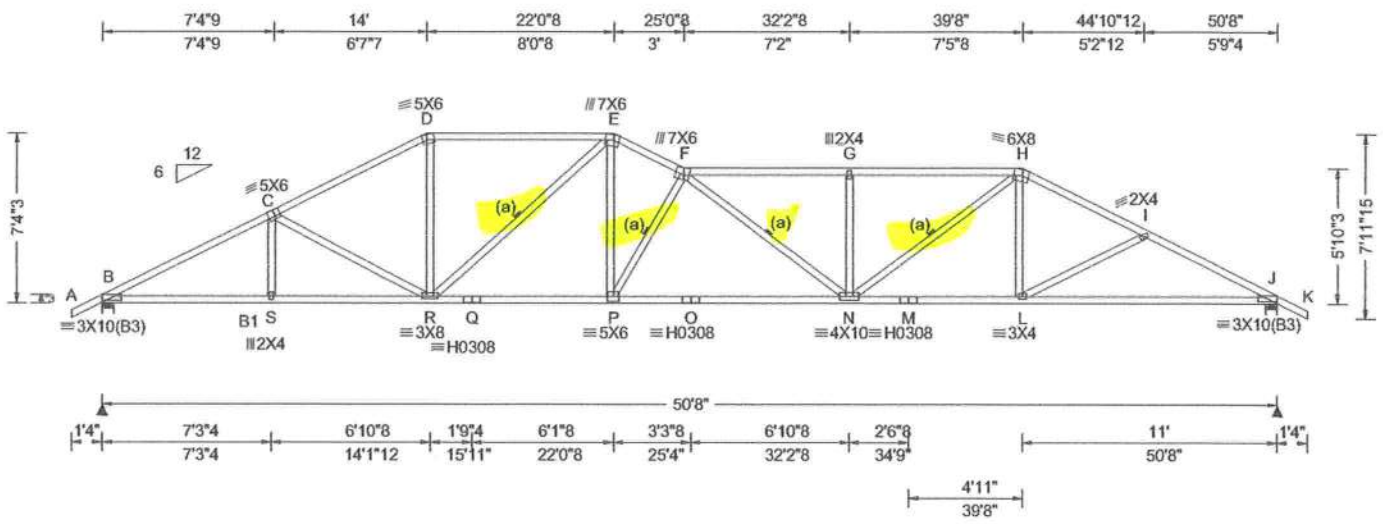
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3055 SPEC	Ply: 1	Job Number: 20-4954	Cust: R 215 JRef: 1X112150003 T13
FROM: SDY	Qty: 1	Lot 11 Westwind Estates	DrwNo: 344.20.0830.50223
		Truss Label: A09	KD / WHK 12/09/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
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 to 2h
C&C Dist a: 5.07 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

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)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.437	F	999	240
VERT(CL): 0.817	F	739	240
HORZ(LL): 0.121	L	-	-
HORZ(TL): 0.226	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.971
Max BC CSI: 0.919
Max Web CSI: 0.726

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1994	/-	/-	/1106	/178	/231
J	1996	/-	/-	/1101	/154	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 2.4
J Brg Width = 6.0 Min Req = 1.7
Bearings B & 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.
B - C	1464	-3666	F - G	1836	-4057
C - D	1412	-3148	G - H	1836	-4057
D - E	1346	-2765	H - I	1416	-3376
E - F	1736	-3804	I - J	1512	-3672

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	3199	-1197	O - N	4312	-1718
S - R	3196	-1199	N - M	2966	-1069
R - Q	3384	-1282	M - L	2966	-1069
Q - P	3384	-1282	L - J	3221	-1255
P - O	4312	-1718			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - R	205	-514	P - F	956	-1950
D - R	947	-283	G - N	372	-440
R - E	398	-830	N - H	1359	-655
E - P	1906	-741	H - L	424	-6

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 member.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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COA #0 278

12/09/2020

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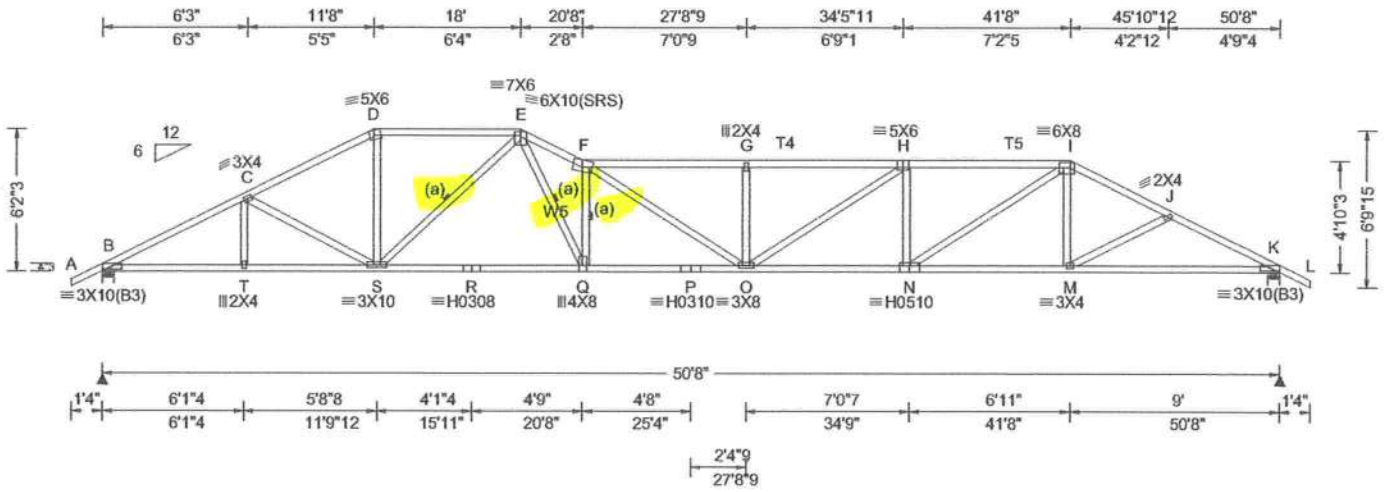
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3022 SPEC FROM: SDY	Ply: 1 Qty: 1	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** A10	Cust: R 215 JRef: 1X112150003 T31 DrwNo: 344.20.0831.06760 KD / WHK 12/09/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
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: 5.07 ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

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)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.550	G	999	240
VERT(CL): 1.030	G	587	240
HORZ(LL): 0.136	D	-	-
HORZ(TL): 0.254	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.585
Max BC CSI: 0.539
Max Web CSI: 0.995

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1997	/-	/-	/1086	/440	/199
K	1997	/-	/-	/1080	/443	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.7
K Brg Width = 6.0 Min Req = 1.7
Bearings B & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1478	-3694	G - H	2285	-5270
C - D	1435	-3319	H - I	1979	-4562
D - E	1356	-2938	I - J	1437	-3499
E - F	2503	-5734	J - K	1493	-3704
F - G	2285	-5270			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - T	3234	-1225	P - O	5111	-2003
T - S	3233	-1226	O - N	4615	-1801
S - R	3735	-1426	N - M	3095	-1120
R - Q	3735	-1426	M - K	3249	-1245
Q - P	5111	-2003			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - S	1116	-372	G - O	351	-409
S - E	545	-1100	O - H	790	-417
E - Q	3333	-1402	H - N	490	-828
F - Q	1362	-2877	N - I	1756	-777

Lumber

Top chord: 2x4 SP #2; T4,T5 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W5 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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COA #0 278

12/09/2020

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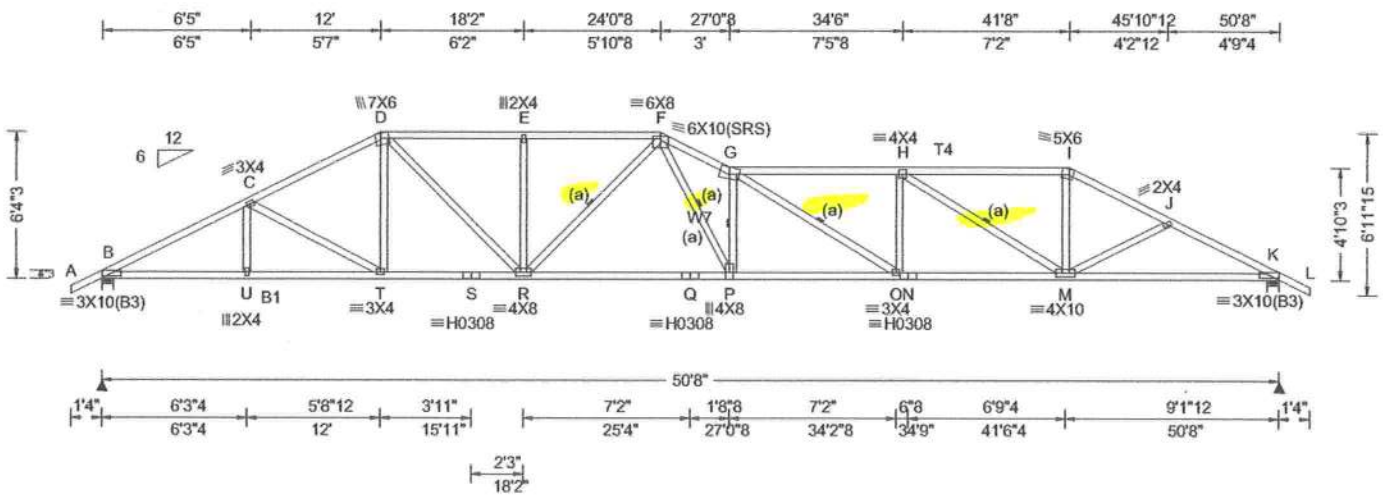
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3061 SPEC	Ply: 1	**Job Number:** 20-4954	Cust: R 215 JRef: 1X112150003 T4
FROM: SDY	Qty: 1	Lot 11 Westwind Estates	DrwNo: 344.20.0831.08673
		Truss Label: A11	KD / WHK 12/09/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
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 to 2h
C&C Dist a: 5.07 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

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)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.545	G	999	240
VERT(CL): 1.020	G	592	240
HORZ(LL): 0.133	M	-	-
HORZ(TL): 0.250	M	-	-

Creep Factor: 2.0
Max TC CSI: 0.520
Max BC CSI: 0.983
Max Web CSI: 0.753

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1997	/-	/-	/1091	/174	/203
K	1997	/-	/-	/1086	/175	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 2.4
K Brg Width = 6.0 Min Req = 1.7
Bearings B & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1454	-3700	G - H	2149	-4662
C - D	1433	-3288	H - I	1420	-3128
D - E	1720	-3677	I - J	1511	-3494
E - F	1720	-3677	J - K	1597	-3705
F - G	2734	-5926			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - U	3237	-1222	Q - P	3951	-1567
U - T	3235	-1224	P - O	5273	-2172
T - S	2879	-1062	O - N	4628	-1916
S - R	2879	-1062	N - M	4628	-1916
R - Q	3951	-1567	M - K	3250	-1337

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - T	187	-410	G - P	1306	-2501
D - T	375	-47	G - O	296	-724
D - R	1117	-552	O - H	566	-98
R - F	215	-394	H - M	861	-1789
F - P	2974	-1361	M - I	1215	-455

Lumber

Top chord: 2x4 SP #2; T4 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3; W7 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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COA #0 278

12/09/2020

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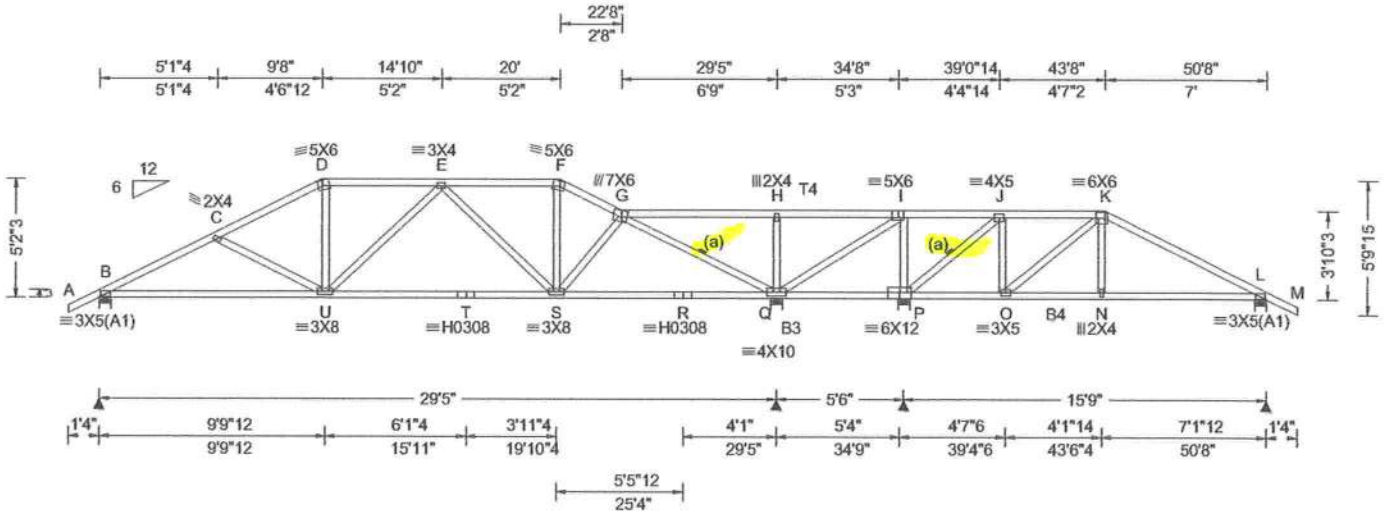
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3019 SPEC	Ply: 1	Job Number: 20-4954	Cust: R 215 JRef: 1X112150003 T32
FROM: SDY	Qty: 1	Lot 11 Westwind Estates	DrwNo: 344.20.0831.27047
		Truss Label: A12	KD / WHK 12/09/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
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: 5.07 ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

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: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.068	E	999	240
VERT(CL): 0.128	E	999	240
HORZ(LL): 0.031	N	-	-
HORZ(TL): 0.057	N	-	-

Creep Factor: 2.0
Max TC CSI: 0.945
Max BC CSI: 0.689
Max Web CSI: 0.678

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1037	/-	/-	/-	/236	/-
Q	1873	/-	/-	/-	/410	/-
P	2433	/-	/-	/-	/576	/-
L	1115	/-	/-	/-	/269	/-

Wind reactions based on MWFRS

B	Brg Width = 6.0	Min Req = 1.5
Q	Brg Width = 6.0	Min Req = 2.2
P	Brg Width = 6.0	Min Req = 2.9
L	Brg Width = 6.0	Min Req = 1.5

Bearings B, Q, P, & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	396	- 1653	G - H	1237	- 295
C - D	272	- 1372	H - I	1237	- 295
D - E	218	- 1185	I - J	1055	- 261
E - F	137	- 838	J - K	166	- 772
F - G	165	- 952	K - L	425	- 1779

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - U	1430	- 325	Q - P	240	- 1023
U - T	1169	- 254	P - O	696	- 158
T - S	1169	- 254	O - N	1546	- 342
S - R	571	- 100	N - L	1520	- 345
R - Q	571	- 100			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - U	401	0	I - P	266	- 657
E - S	163	- 467	P - J	560	- 2169
S - G	437	- 62	J - O	958	- 95
G - Q	446	- 2015	O - K	229	- 1068
H - Q	261	- 520	N - K	642	0
Q - I	150	- 430			

Lumber

Top chord: 2x4 SP #2; T4 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	56 plf at	-1.33 to	56 plf at	31.60
TC: From	28 plf at	31.60 to	28 plf at	43.67
TC: From	56 plf at	43.67 to	56 plf at	52.00
BC: From	4 plf at	-1.33 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	31.60
BC: From	10 plf at	31.60 to	10 plf at	43.64
BC: From	20 plf at	43.64 to	20 plf at	50.67
BC: From	4 plf at	50.67 to	4 plf at	52.00

TC: 169 lb Conc. Load at 31.60,33.60,35.60,37.60 39.60,41.60
TC: 400 lb Conc. Load at 43.64
BC: 127 lb Conc. Load at 31.60,33.60,35.60,37.60 39.60,41.60
BC: 463 lb Conc. Load at 43.64

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

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COA #0 278

12/09/2020

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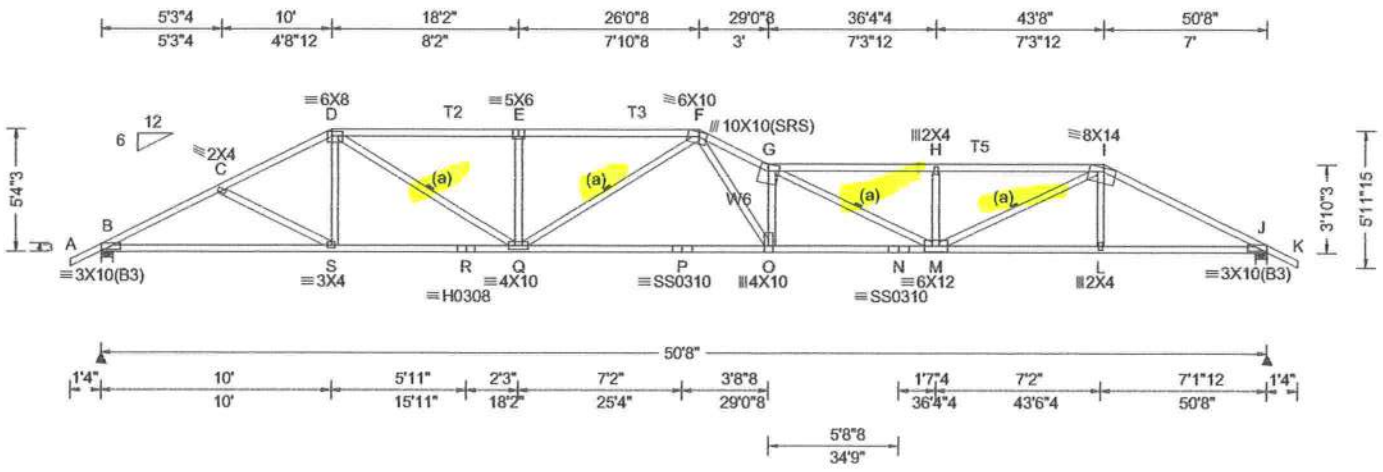
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3064 SPEC	Ply: 1	Job Number: 20-4954	Cust: R 215 JRef: 1X112150003 T35
FROM: SDY	Qty: 1	Lot 11 Westwind Estates	DrwNo: 344.20.0831.29480
		Truss Label: A13	KD / WHK 12/09/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
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 to 2h
C&C Dist a: 5.07 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

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)
Plate Type(s):
WAVE, HS, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.705	G	856	240
VERT(CL): 1.320	G	457	240
HORZ(LL): 0.142	D	-	-
HORZ(TL): 0.266	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.864
Max BC CSI: 0.730
Max Web CSI: 0.984

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1997	/-	/-	/1074	/180	/175
J	1997	/-	/-	/1069	/194	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.7
J Brg Width = 6.0 Min Req = 1.7
Bearings B & 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.
B - C	1520	- 3688	F - G	3328	- 7443
C - D	1461	- 3442	G - H	2504	- 5531
D - E	2010	- 4446	H - I	2504	- 5531
E - F	2010	- 4446	I - J	1562	- 3690

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	3235	- 1284	O - N	6643	- 2745
S - R	3037	- 1111	N - M	6643	- 2745
R - Q	3037	- 1111	M - L	3229	- 1274
Q - P	4752	- 1910	L - J	3223	- 1277
P - O	4752	- 1910			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - S	386	0	G - O	1506	- 2993
D - Q	1657	- 777	G - M	478	- 1237
E - Q	391	- 471	H - M	376	- 444
F - O	3700	- 1634	M - I	2558	- 1157

Lumber

Top chord: 2x4 SP #2; T2,T3,T5 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W6 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

COA #0 278

12/09/2020

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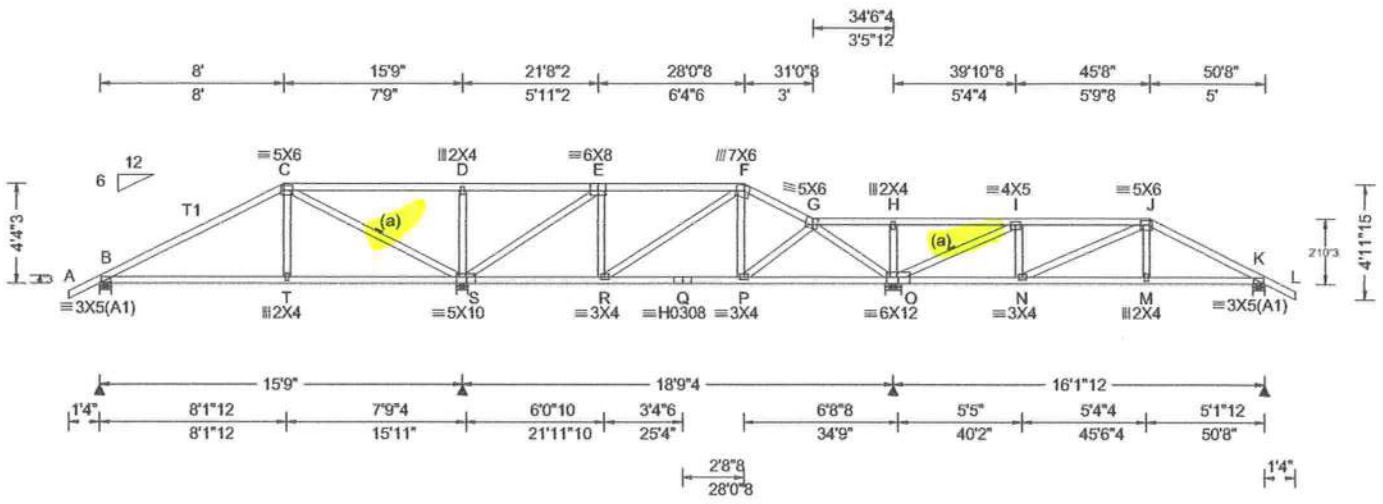
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3067 SPEC FROM: SDY	Ply: 1 Qty: 1	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** A14	Cust: R 215 JRef: 1X112150003 T15 DrwNo: 344.20.0831.53710 KD / WHK 12/09/2020	



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): 0.051 M 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.097 M 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.025 M - -
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.047 M - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 2017 RES	Max TC CSI: 0.931
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.727
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.688
	C&C Dist a: 5.07 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE, HS	VIEW Ver: 20.01.01A.0724.12
	Wind Duration: 1.60		

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	654	/-	/-	/-	/152	/-
S	1289	/-	/-	/-	/264	/-
O	2073	/-	/-	/-	/482	/-
K	1059	/-	/-	/-	/262	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.5
S Brg Width = 6.0 Min Req = 1.5
O Brg Width = 8.5 Min Req = 2.4
K Brg Width = 6.0 Min Req = 1.5
Bearings B, S, O, & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	144	-700	H - I	1006	-241
E - F	71	-387	I - J	287	-1248
G - H	1006	-241	J - K	425	-1764

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - T	535	-82	O - N	1197	-290
T - S	542	-79	N - M	1544	-352
S - R	385	-77	M - K	1527	-357
P - O	48	-419			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - S	119	-722	G - O	239	-1005
D - S	216	-449	O - I	589	-2296
S - E	125	-686	I - N	479	0
P - G	578	-115	N - J	72	-403

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	56 plf at	-1.33 to	56 plf at	37.60
TC: From	28 plf at	37.60 to	28 plf at	45.67
TC: From	56 plf at	45.67 to	56 plf at	52.00
BC: From	4 plf at	-1.33 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	37.60
BC: From	10 plf at	37.60 to	10 plf at	45.64
BC: From	20 plf at	45.64 to	20 plf at	50.67
BC: From	4 plf at	50.67 to	4 plf at	52.00

TC: 116 lb Conc. Load at 37.60,39.60,41.60,43.60
TC: 305 lb Conc. Load at 45.64
BC: 89 lb Conc. Load at 37.60,39.60,41.60,43.60
BC: 169 lb Conc. Load at 45.64

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

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COA #0 278

12/09/2020

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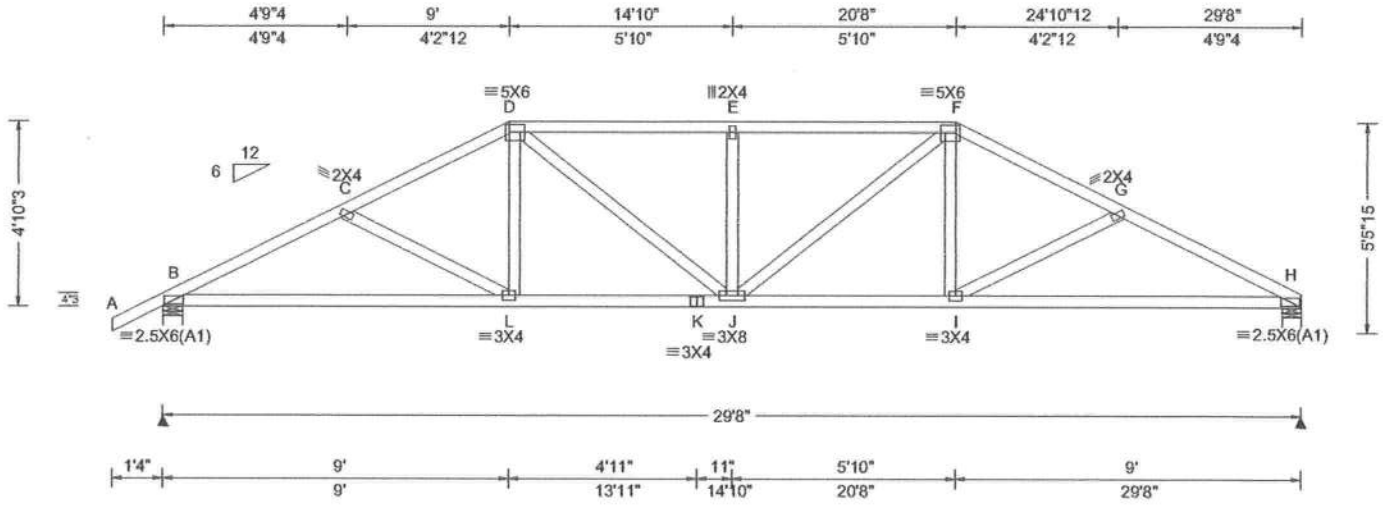
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 2991 HIPS FROM: SDY	Ply: 1 Qty: 1	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** B01	Cust: R 215 JRef: 1X112150003 T26 DrwNo: 344.20.0831.55913 KD / WHK 12/09/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
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

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)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.111	E	999	240
VERT(CL): 0.208	E	999	240
HORZ(LL): 0.042	I	-	-
HORZ(TL): 0.078	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.357
Max BC CSI: 0.821
Max Web CSI: 0.290

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1205	/-	/-	/665	/268	/137
H	1120	/-	/-	/600	/240	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.5
H Brg Width = 6.0 Min Req = 1.5
Bearings B & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	959	- 2017	E - F	1053	- 1828
C - D	894	- 1777	F - G	896	- 1785
D - E	1053	- 1828	G - H	966	- 2035

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	1755	- 817	J - I	1551	- 667
L - K	1545	- 687	I - H	1775	- 804
K - J	1545	- 687			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
E - J	375	- 342

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.

COA #0 278

12/09/2020

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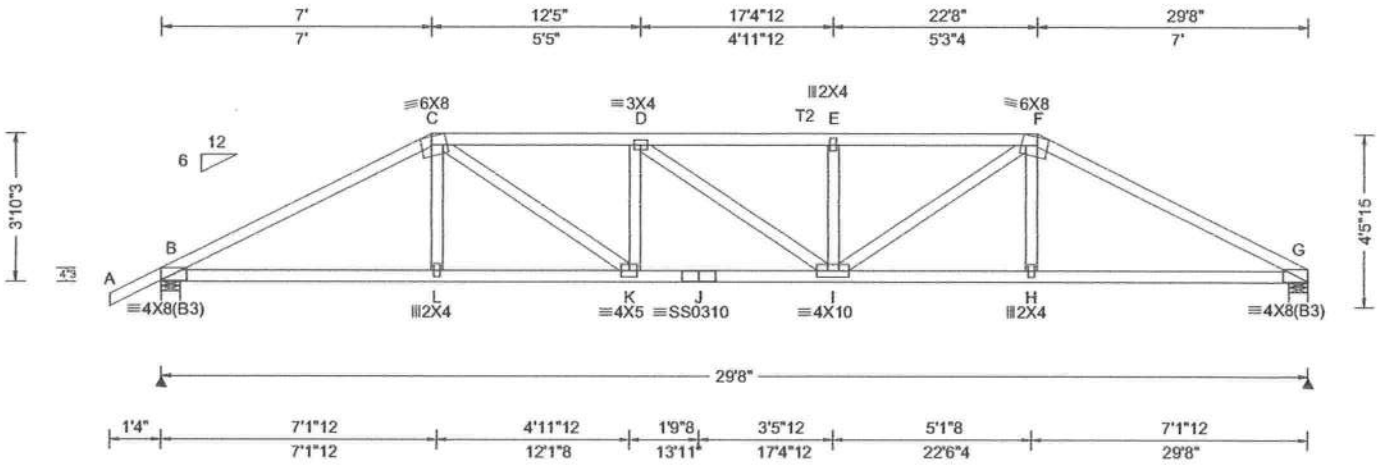
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 2988 HIPS FROM: SDY	Ply: 1 Qty: 1	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** B02	Cust: R 215 JRef: 1X112150003 T12 DrwNo: 344.20.0831.58473 KD / WHK 12/09/2020	



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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 10.86 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: NA
GCpi: 0.18
Wind Duration: 1.60

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: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.258	E	999	240
VERT(CL): 0.487	E	723	240
HORZ(LL): 0.076	H	-	-
HORZ(TL): 0.143	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.866
Max BC CSI: 0.575
Max Web CSI: 0.570

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2332	/-	/-	/-	/503	/-
G	2249	/-	/-	/-	/467	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.9
G Brg Width = 6.0 Min Req = 1.9
Bearings B & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	927	-4395	E - F	1060	-5139
C - D	1047	-5099	F - G	934	-4413
D - E	1060	-5138			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	3852	-794	J - I	5149	-1070
L - K	3877	-794	I - H	3896	-801
K - J	5149	-1070	H - G	3870	-801

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - L	604	0	I - F	1497	-312
C - K	1485	-307	E - I	283	-602
K - D	287	-618	H - F	622	-1

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

Loading

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

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

COA #0 278

12/09/2020

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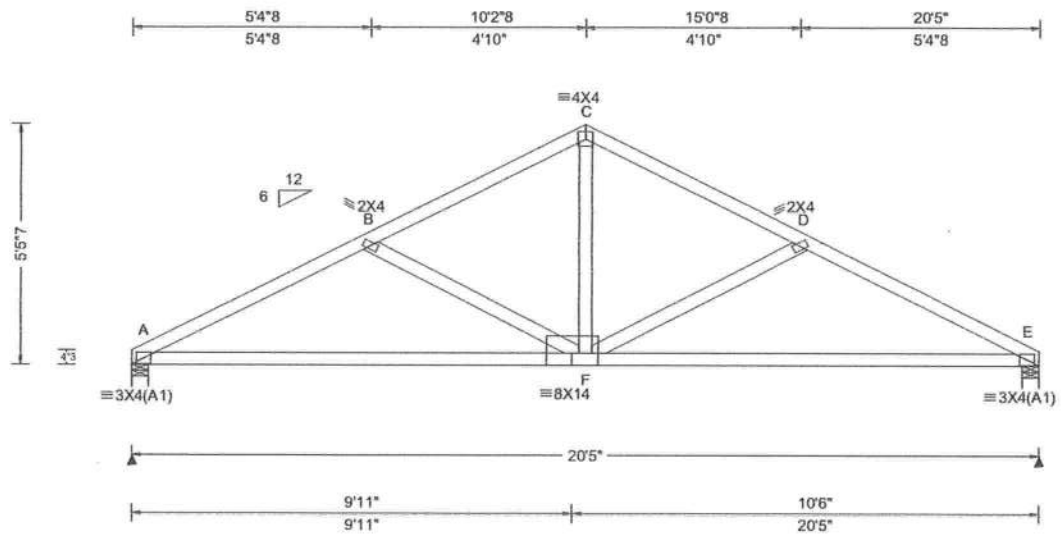
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3004 COMN FROM: SDY	Ply: 1 Qty: 1	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** C01		Cust: R 215 JRef: 1X112150003 T3 DrwNo: 344.20.0832.00347 KD / WHK 12/09/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
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

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)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.034	F	999	240
VERT(CL): 0.065	F	999	240
HORZ(LL): 0.013	F	-	-
HORZ(TL): 0.024	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.273
Max BC CSI: 0.410
Max Web CSI: 0.218

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	772	/-	/-	/416	/161	/131
E	772	/-	/-	/416	/161	/-

Wind reactions based on MWFRS
A Brg Width = 4.5 Min Req = 1.5
E Brg Width = 4.5 Min Req = 1.5
Bearings A & E 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.
A - B	498	- 1269	C - D	379	- 959
B - C	379	- 959	D - E	498	- 1269

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - F	1092	- 388	F - E	1092	- 375

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	573	- 139

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.

COA #0 278

12/09/2020

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****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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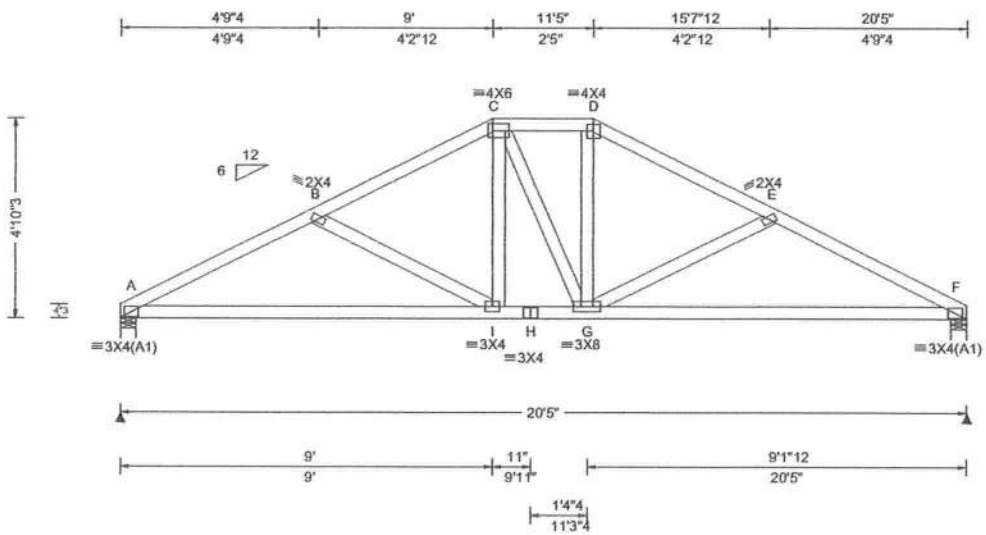
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 2998 HIPS FROM: SDY	Ply: 1 Qty: 1	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** C02		Cust: R 215 JRef: 1X112150003 T2 DrwNo: 344.20.0832.06837 KD / WHK 12/09/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
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

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)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.039 I	999	240
VERT(CL):	0.074 I	999	240
HORZ(LL):	0.018 G	-	-
HORZ(TL):	0.034 G	-	-

Creep Factor: 2.0
Max TC CSI: 0.255
Max BC CSI: 0.710
Max Web CSI: 0.153

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	772	/-	/-	/418	/162	/116
F	772	/-	/-	/418	/162	/-

Wind reactions based on MWFRS
A Brg Width = 4.5 Min Req = 1.5
F Brg Width = 4.5 Min Req = 1.5
Bearings A & F 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.
A - B	608	- 1298	D - E	496	- 1017
B - C	499	- 1023	E - F	609	- 1297
C - D	490	- 864			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - I	1124	- 493	H - G	861	- 294
I - H	861	- 294	G - F	1123	- 480

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.

COA #0 278

12/09/2020

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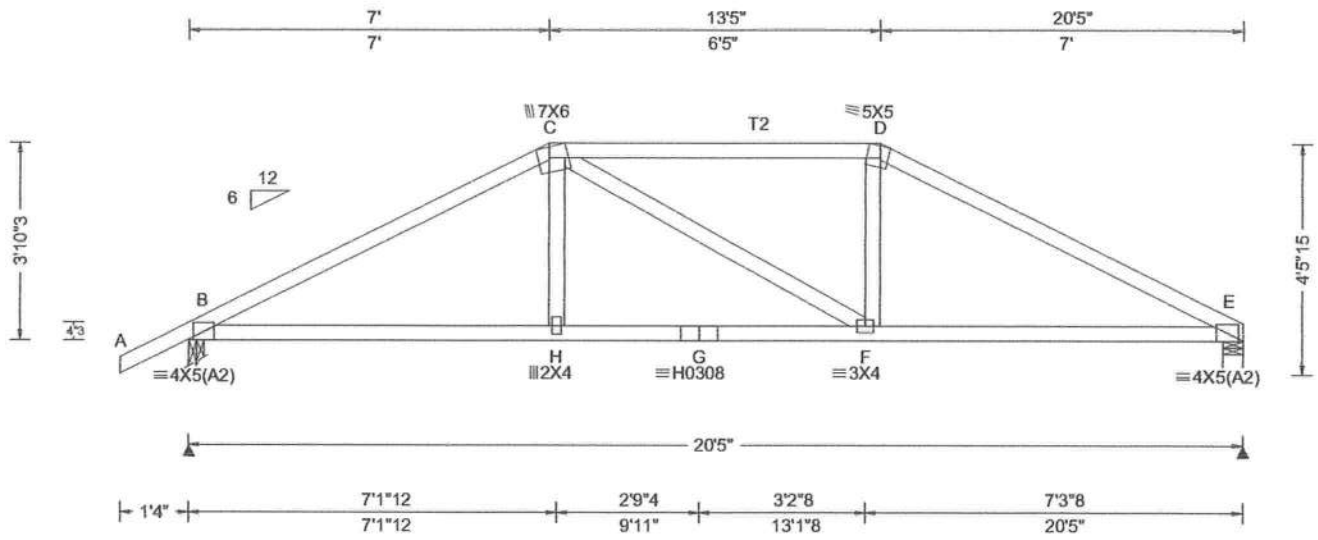
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3001 HIPS FROM: SDY	Ply: 1 Qty: 1	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** C03	Cust: R 215 JRef: 1X112150003 T14 DrwNo: 344.20.0832.10980 KD / WHK 12/09/2020	



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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 10.86 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: NA
GCpi: 0.18
Wind Duration: 1.60

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: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.084	H	999	240
VERT(CL): 0.158	H	999	240
HORZ(LL): 0.031	F	-	-
HORZ(TL): 0.058	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.668
Max BC CSI: 0.403
Max Web CSI: 0.248

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1589	/-	/-	/-	/350	/-
E	1503	/-	/-	/-	/313	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
E Brg Width = 4.5 Min Req = 1.5
Bearings B & E are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	601	-2817	D - E	606	-2821
C - D	511	-2512			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	2452	-507	G - F	2478	-506
H - G	2478	-506	F - E	2458	-512

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - H	639	0	F - D	651	0

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

Loading

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

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

COA #0 278

12/09/2020

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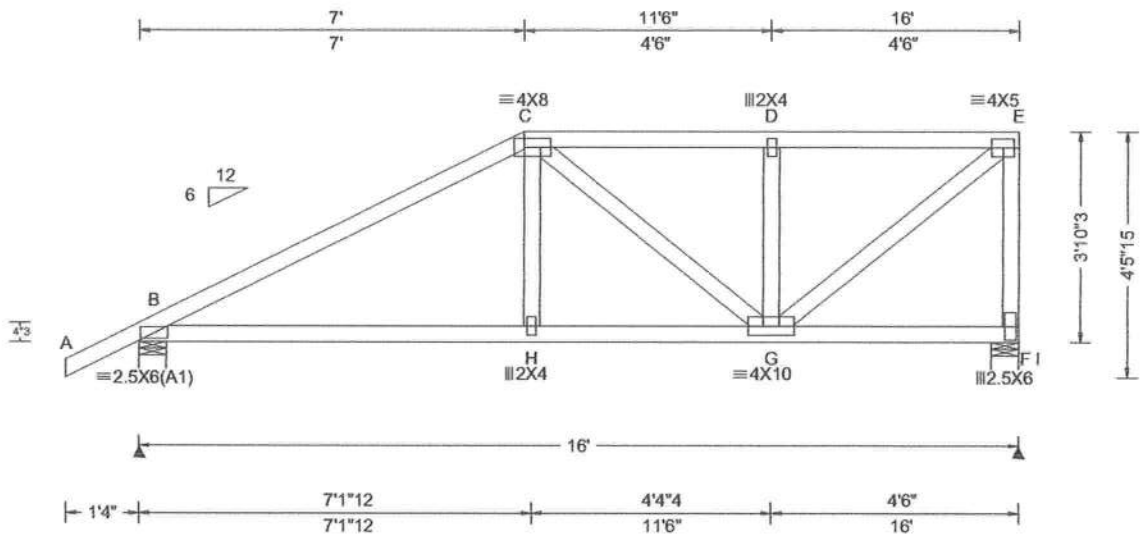
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3007 HIPM	Ply: 1	Job Number: 20-4954	Cust: R 215 JRef: 1X112150003 T25
FROM: SDY	Qty: 1	Lot 11 Westwind Estates	DrwNo: 344.20.0832.23303
		Truss Label: D01	KD / WHK 12/09/2020



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 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: NA
GCpi: 0.18
Wind Duration: 1.60

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: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.048 H	999	240
VERT(CL):	0.091 H	999	240
HORZ(LL):	0.015 F	-	-
HORZ(TL):	0.029 F	-	-

Creep Factor: 2.0
Max TC CSI: 0.543
Max BC CSI: 0.678
Max Web CSI: 0.637

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1173	/-	/-	/-	/263	/-
I	1344	/-	/-	/-	/277	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.5
I Brg Width = 6.0 Min Req = 1.6
Bearings B & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	412	- 1899	D - E	274	- 1324
C - D	274	- 1324			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	1627	- 334	H - G	1653	- 335

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - H	636	- 15	G - E	1672	- 346
C - G	78	- 419	E - F	316	- 1256
D - G	277	- 585			

Lumber

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

Loading

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

Wind

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.

COA #0 278

12/09/2020

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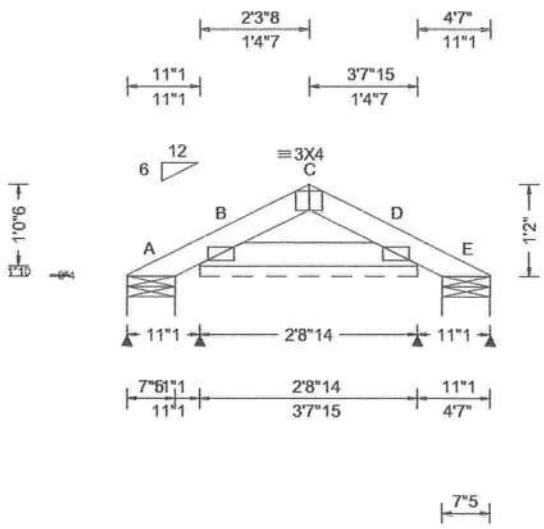
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3016 GABL FROM: SDY	Ply: 1 Qty: 6	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** PB1	Cust: R 215 JRef: 1X112150003 T28 DrwNo: 344.20.0832.42870 KD / WHK 12/09/2020	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.44 ft 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 13.00 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): 0.000 C 999 240 VERT(CL): 0.000 C 999 240 HORZ(LL): 0.000 - - HORZ(TL): 0.000 - - Creep Factor: 2.0 Max TC CSI: 0.010 Max BC CSI: 0.019 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	17	/-	/-	/18	/8	/28
B*	75	/-	/-	/52	/11	/-
E	17	/-	/-	/15	/5	/-

Wind reactions based on MWFRS
A Brg Width = 7.3 Min Req = 1.5
B Brg Width = 32.8 Min Req = -
E Brg Width = 7.3 Min Req = 1.5
Bearings A, B, & E are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4(A1) 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.

Additional Notes

Refer to DWG PB160160118 for piggyback details.

COA #0 278

12/09/2020

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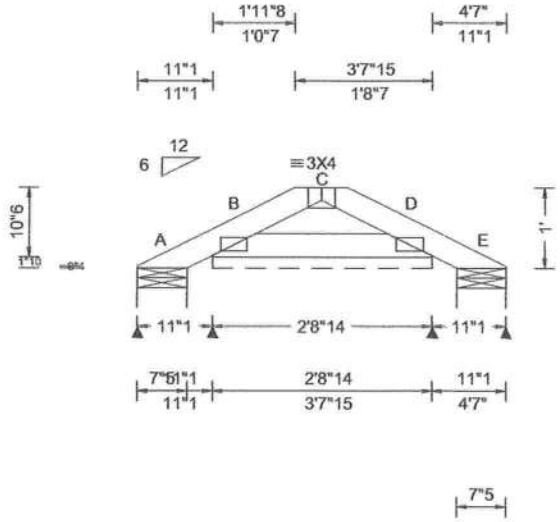
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3013 GABL FROM: SDY	Ply: 1 Qty: 2	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** PB2		Cust: R 215 JRef: 1X112150003 T11 DrwNo: 344.20.0832.45673 KD / WHK 12/09/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.36 ft 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 13.00 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): 0.000 C 999 240 VERT(CL): 0.000 C 999 240 HORZ(LL): 0.000 - - HORZ(TL): 0.000 - - Creep Factor: 2.0 Max TC CSI: 0.010 Max BC CSI: 0.019 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	18	/-	/-	/16	/6	/24
B*	75	/-	/-	/51	/6	/-
E	18	/-	/-	/15	/5	/-

Wind reactions based on MWFRS
A Brg Width = 7.3 Min Req = 1.5
B Brg Width = 32.8 Min Req = -
E Brg Width = 7.3 Min Req = 1.5
Bearings A, B, & E are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4(A1) 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.

Additional Notes

Refer to DWG PB160160118 for piggyback details.

COA #0 278

12/09/2020

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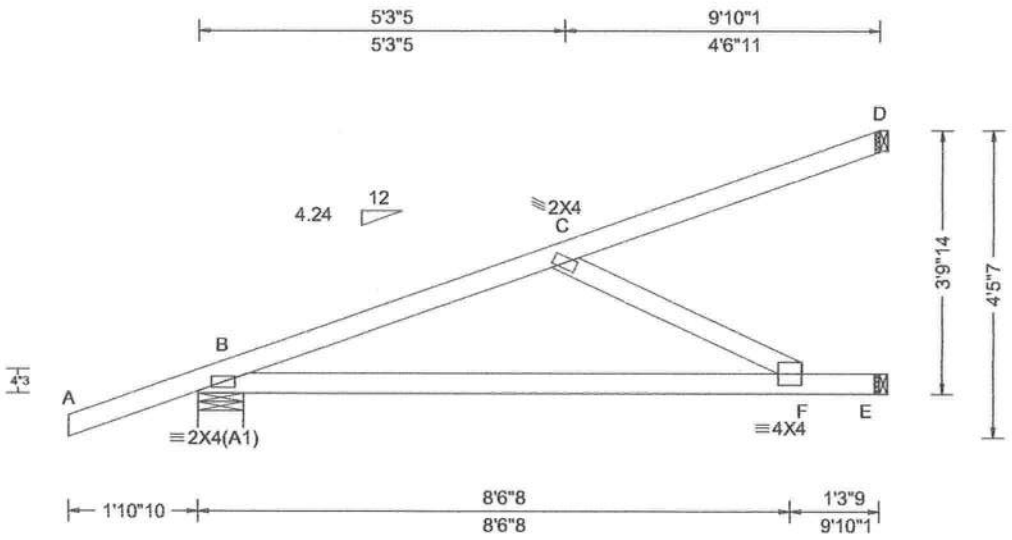
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 2981 HIP_ FROM: SDY	Ply: 1 Qty: 6	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** HJ7		Cust: R 215 JRef: 1X112150003 T10 DrwNo: 344.20.0832.38153 KD / WHK 12/09/2020



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 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: NA
GCpi: 0.18
Wind Duration: 1.60

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: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.144	F	808	240
VERT(CL): 0.266	F	437	240
HORZ(LL): 0.033	C	-	-
HORZ(TL): 0.061	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.591
Max BC CSI: 0.996
Max Web CSI: 0.444

VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	398	/-	/-	/-	/99	/-
E	336	/-	/-	/-	/14	/-
D	231	/-	/-	/-	/104	/-

Wind reactions based on MWFRS
B Brg Width = 7.7 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	194	-502

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - F	466	-172

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	199	-516

Lumber

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

Loading

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

Wind

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.

COA #0 278

12/09/2020

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****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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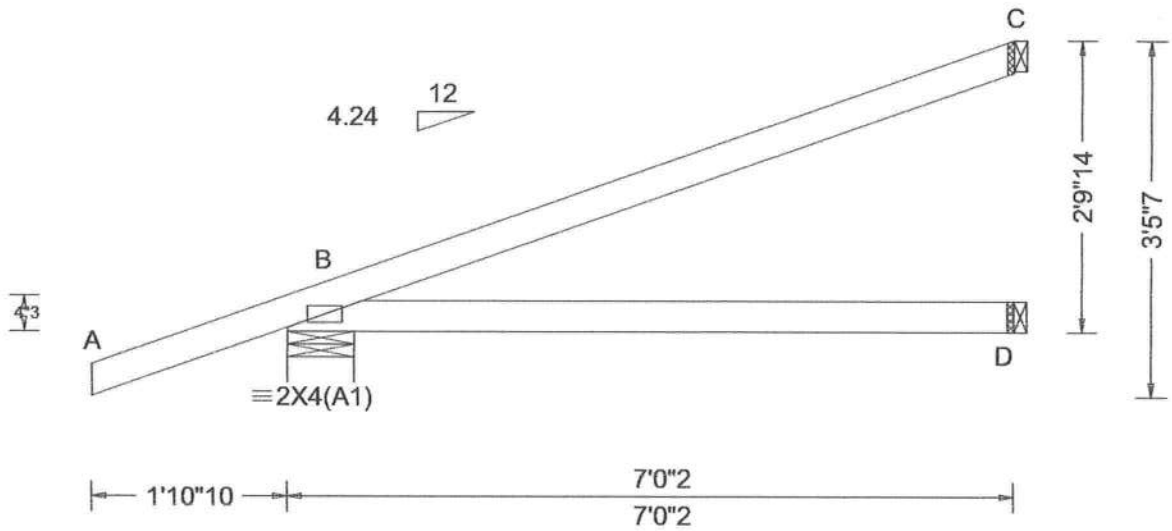
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 2975 HIP_ FROM: SDY	Ply: 1 Qty: 1	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** HJ5		Cust: R 215 JRef: 1X112150003 T34 DrwNo: 344.20.0832.32430 KD / WHK 12/09/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
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 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: NA 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.009 D - - HORZ(TL): 0.017 D - - Creep Factor: 2.0 Max TC CSI: 0.632 Max BC CSI: 0.329 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	255	/-	/-	/-	/70	/-
D	81	/-	/-	/28	/-	/-
C	189	/-	/-	/-	/83	/-

Wind reactions based on MWFRS
B Brg Width = 7.7 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Loading

Hipjack supports 4-11-8 setback jacks with no webs.

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

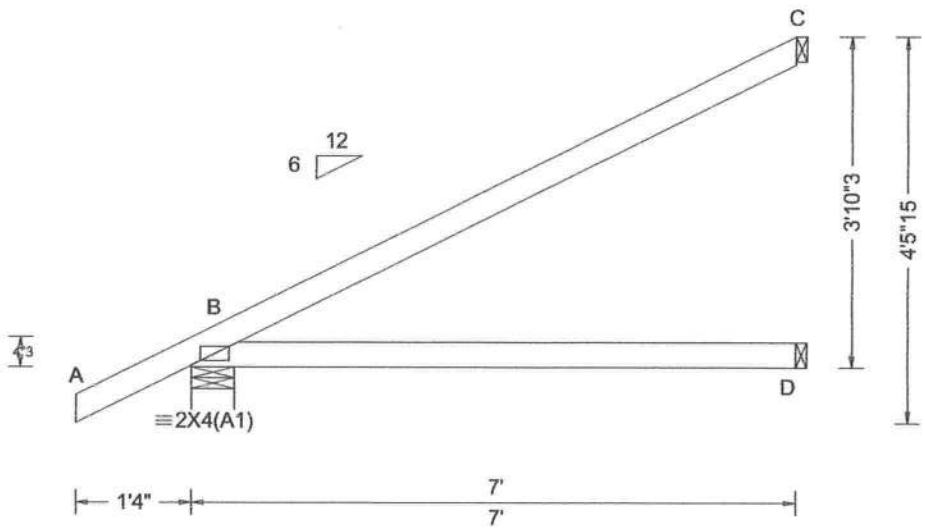
Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.

COA #0 278

12/09/2020

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 2963 EJAC FROM: SDY	Ply: 1 Qty: 26	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** EJ7		Cust: R 215 JRef: 1X112150003 T9 DrwNo: 344.20.0832.29737 KD / WHK 12/09/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 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 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): NA VERT(CL): NA HORZ(LL): 0.015 D - - HORZ(TL): 0.027 D - - Creep Factor: 2.0 Max TC CSI: 0.652 Max BC CSI: 0.496 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	360	/-	/-	/233	/52	/142
D	127	/-	/-	/71	/-	/-
C	169	/-	/-	/100	/99	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

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.

COA #0 278

12/09/2020

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ALPINE AN ITW COMPANY
6750 Forum Drive
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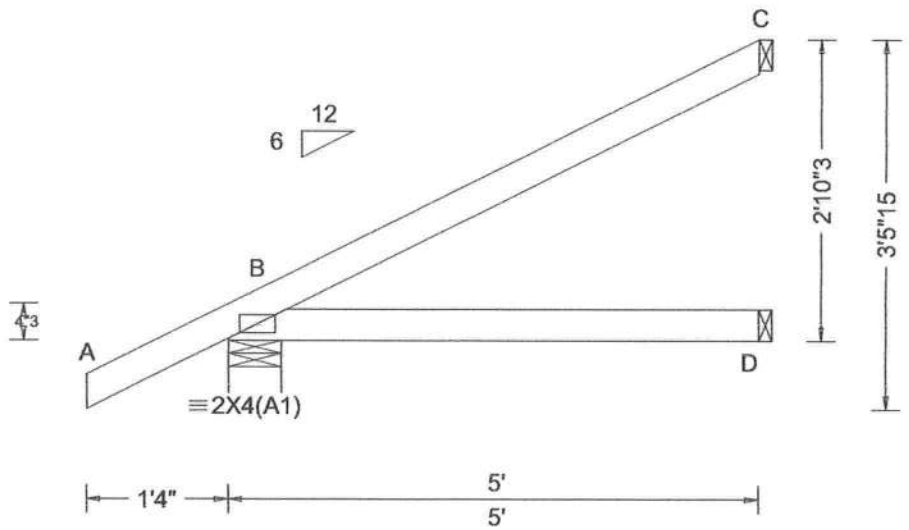
Orlando FL, 32821

SEQN: 2972 EJAC FROM: SDY	Ply: 1 Qty: 5	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** EJ5		Cust: R 215 JRef: 1X112150003 T29 DrwNo: 344.20.0832.27000 KD / WHK 12/09/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 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 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): NA VERT(CL): NA HORZ(LL): 0.005 D - - HORZ(TL): 0.008 D - - Creep Factor: 2.0 Max TC CSI: 0.329 Max BC CSI: 0.243 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	288	/-	/-	/191	/47	/106
D	89	/-	/-	/48	/-	/-
C	116	/-	/-	/67	/69	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

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.

COA #0 278

12/09/2020

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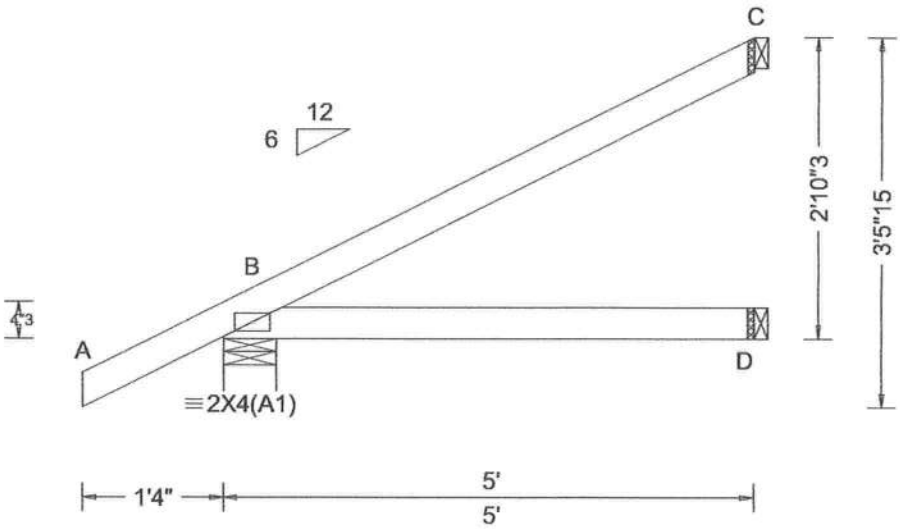
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 2960 JACK FROM: SDY	Ply: 1 Qty: 10	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** CJ5		Cust: R 215 JRef: 1X112150003 T6 DrwNo: 344.20.0832.19517 KD / WHK 12/09/2020



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): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 D - -
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.008 D - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 2017 RES	Max TC CSI: 0.329
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.243
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.12
	Wind Duration: 1.60		

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	288	/-	/-	/191	/47	/106
D	89	/-	/-	/48	/-	/-
C	116	/-	/-	/67	/69	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

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.

COA #0 278

12/09/2020

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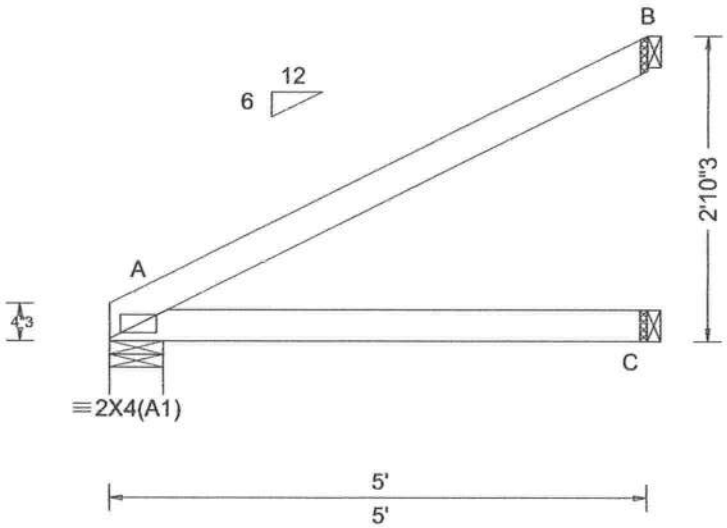
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 2969 JACK FROM: SDY	Ply: 1 Qty: 2	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** CJ5A		Cust: R 215 JRef: 1X112150003 T5 DrwNo: 344.20.0832.20960 KD / WHK 12/09/2020



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): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 C - -
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.011 C - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 2017 RES	Max TC CSI: 0.353
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.255
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.12
	Wind Duration: 1.60		

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	195	/-	/-	/116	/16	/87
C	91	/-	/-	/53	/-	/-
B	123	/-	/-	/74	/72	/-

Wind reactions based on MWFRS
A Brg Width = 6.0 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

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.

COA #0 278

12/09/2020

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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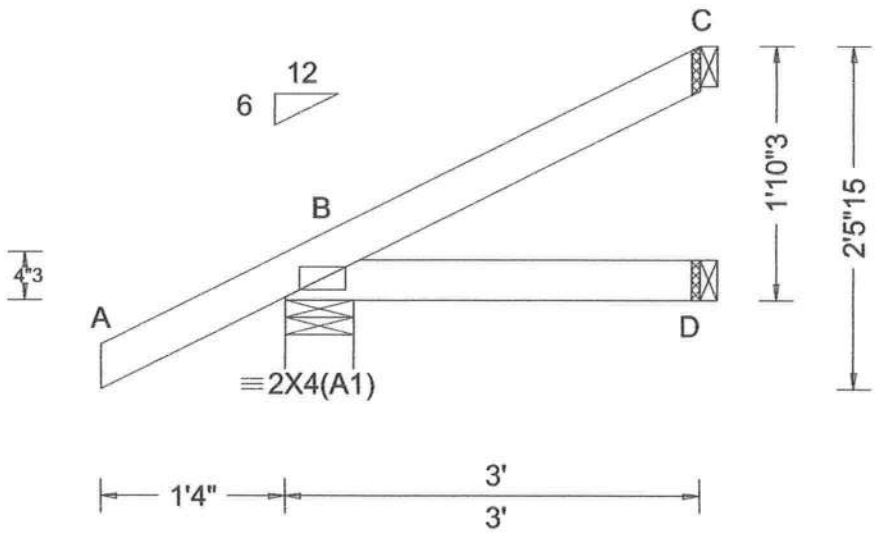
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 2957 JACK FROM: SDY	Ply: 1 Qty: 13	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** CJ3		Cust: R 215 JRef: 1X112150003 T7 DrwNo: 344.20.0832.15817 KD / WHK 12/09/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 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): WAVE	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: 0.246 Max BC CSI: 0.074 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	222	/-	/-	/153	/43	/71
D	50	/-	/-	/27	/-	/-
C	59	/-	/-	/32	/37	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

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.

COA #0 278

12/09/2020

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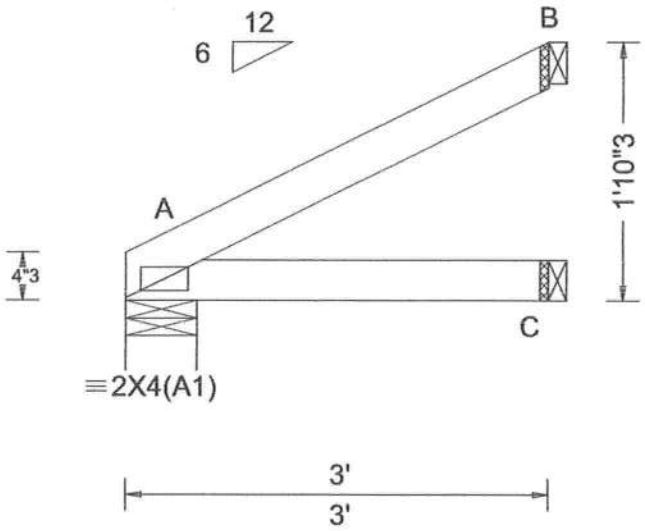
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 2966 JACK FROM: SDY	Ply: 1 Qty: 1	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** CJ3A	Cust: R 215 JRef: 1X112150003 T24 DrwNo: 344.20.0832.17470 KD / WHK 12/09/2020



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): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 C - -
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.002 C - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 2017 RES	Max TC CSI: 0.179
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.102
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: Any	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.12
	Wind Duration: 1.60		

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	119	/-	/-	/71	/9	/52
C	53	/-	/-	/31	/-	/-
B	72	/-	/-	/43	/42	/-

Wind reactions based on MWFRS
A Brg Width = 6.0 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

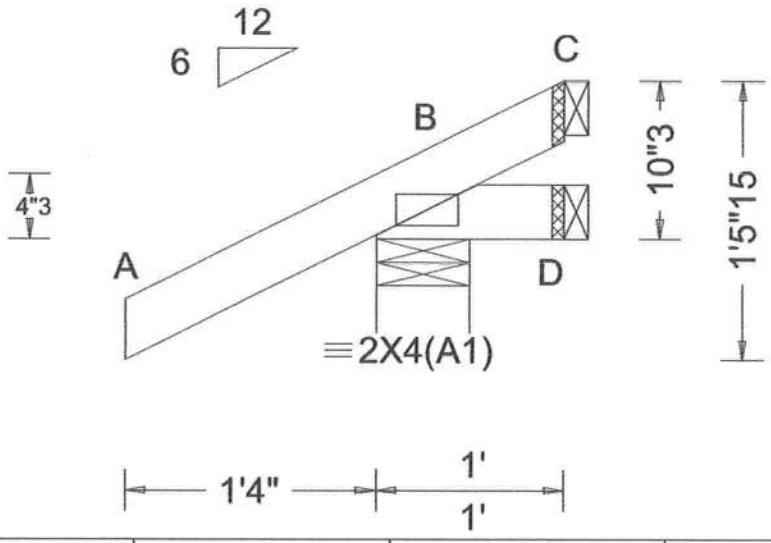
Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.

COA #0 278

12/09/2020

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 2954 JACK FROM: SDY	Ply: 1 Qty: 14	**Job Number:** 20-4954 Lot 11 Westwind Estates **Truss Label:** CJ1	Cust: R 215 JRef: 1X112150003 T8 DrwNo: 344.20.0832.12863 KD / WHK 12/09/2020	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 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): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D - - HORZ(TL): 0.000 D - - Creep Factor: 2.0 Max TC CSI: 0.217 Max BC CSI: 0.029 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	201	/-	/-	/153	/63	/36
D	8	/-10	/-	/14	/11	/-
C	-	/-35	/-	/29	/37	/-

Wind reactions based on MWFRS
B Brg Width = 6.0 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

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.

COA #0 278

12/09/2020

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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-reinforecement or scab reinforcement.

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

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

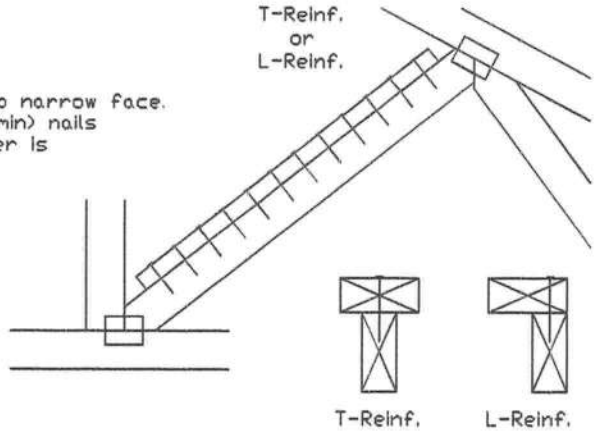
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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.

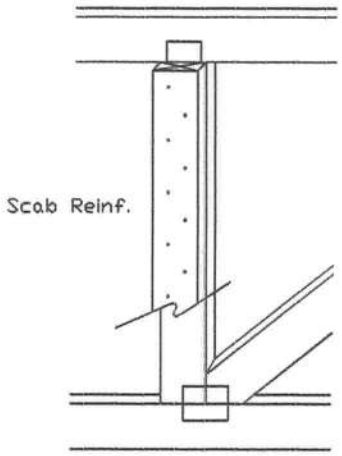
T-Reinforcement or L-Reinforcement:

Apply to either side of web narrow face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



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) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



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Earth City, MO 63045

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

COA #0 278 12/09/2020

TC LL	PSF	
TC DL	PSF	
BC DL	PSF	
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

REF	CLR Subst.
DATE	01/02/19
DRWG	BRCLBSUB0119

Piggyback Detail - ASCE 7-16: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

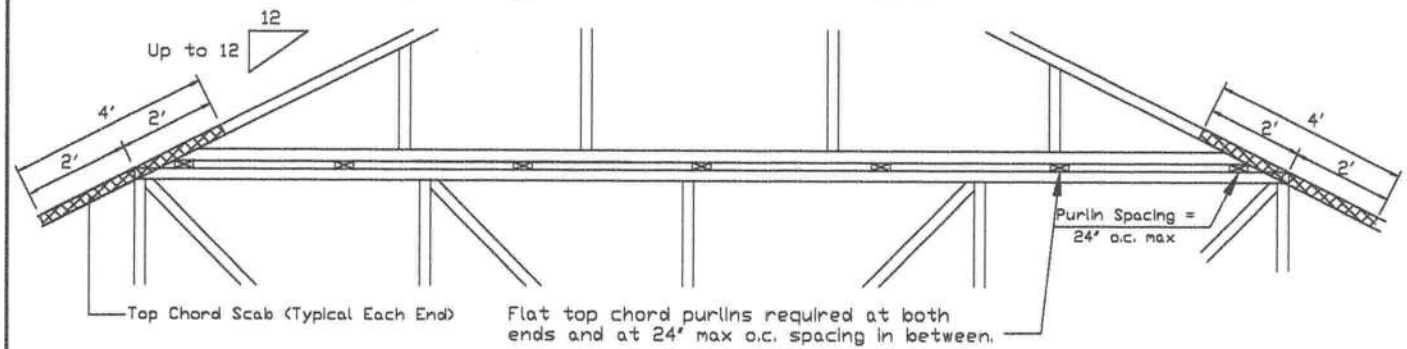
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, Wind DL= 5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24" o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

** Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Detail A : Purlin Spacing = 24" o.c. or less



Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

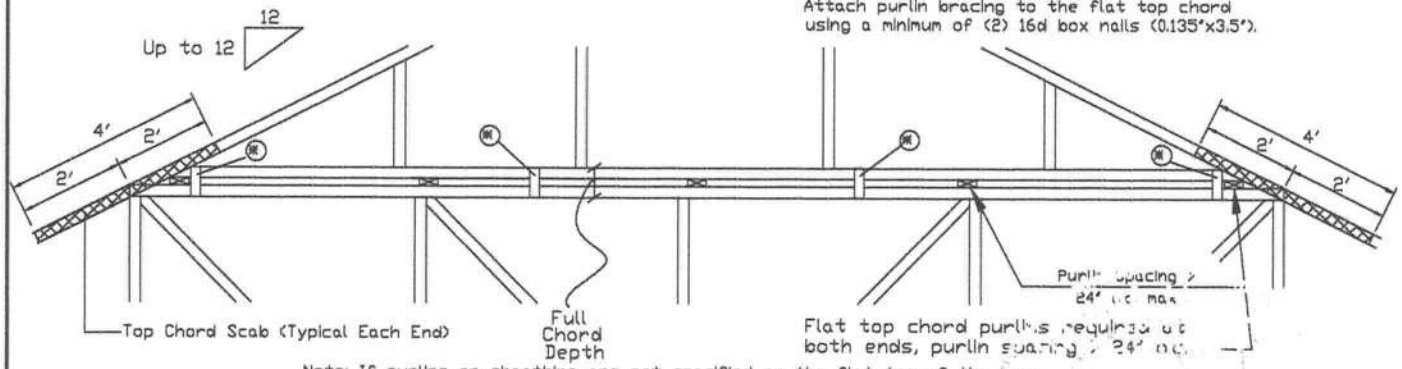
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3X8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

Detail B : Purlin Spacing > 24" o.c.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135"x3.5").



Note: If purlins or sheathing are not specified on the flat top of the base truss, purlins must be installed at 24" o.c. max. and use Detail A.

* In addition, provide connection with one of the following methods:

Trulox
Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.

APA Rated Gusset
8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.113"x2") nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

2x4 Vertical Scabs
2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.

28PB Wave Piggyback Plate
One 28PB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.

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13723 Riverport Drive
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Maryland Heights, MO 63043

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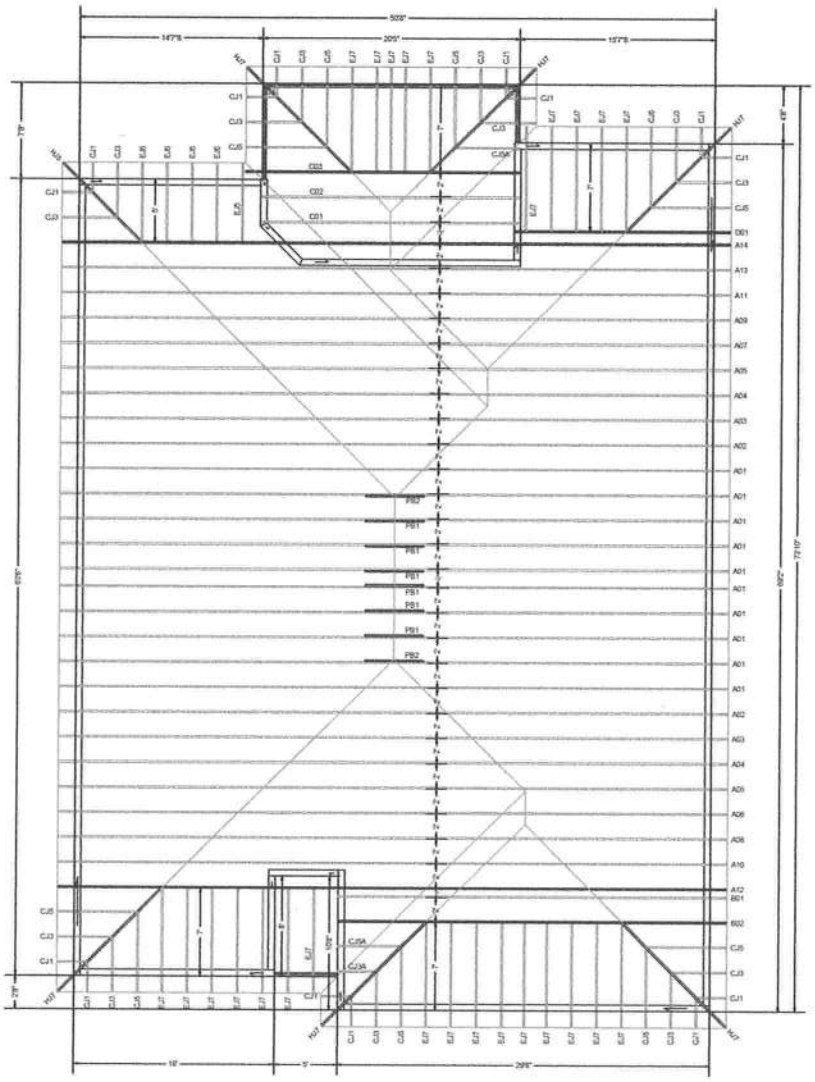
COA #0 278 12/09/2020

REF	PIGGYBACK
DATE	01/02/2018
DRWG	PB160160118
SPACING	24.0"



W.B. Howland Co., LLC
610 11th St
Live Oak, Fl. 32064
(386)362-1235
Fax: (386)362-7124
truss@wbhowland.com

9'-1 1/8" PLATE HEIGHT

JOB #: 20-4954

Job Name: Lot 11 Westwind Estates
Customer: Gibraltar Contr.
Designer: Steve Yuknavage
ADDRESS:
SALESMAN: DB
: <Not Found>

JOB NO:
20-4954

PAGE NO:
1 OF 1