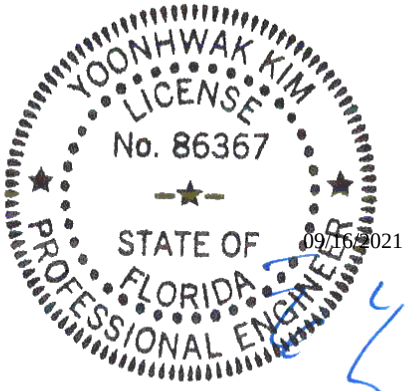

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ALPINE AN ITW COMPANY

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

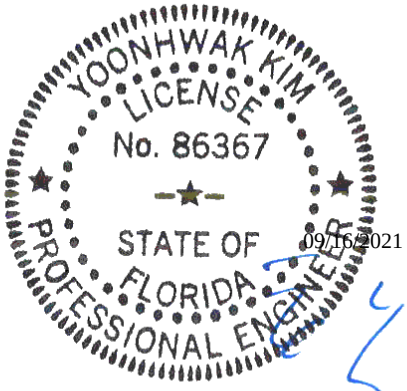
Alpine, an ITW Company
6750 Forum Drive, Suite 305
Orlando, FL 32821
Phone: (800)755-6001
www.alpineitw.com

Site Information:	**Page 1:**
Customer: W. B. Howland Company, Inc.	*Job Number:* 21-5856
Job Description: Shelley	
Address:	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res. HVHZ	*IntelliVIEW Version:* 21.01.01A *JRef #:* 1X8V2150010
Wind Standard: ASCE 7-16 *Wind Speed (mph):* 120 *Building Type:* Closed	*Design Loading (psf):* 40.00

This package contains general notes pages, 123 truss drawing(s) and 7 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	259.21.1157.39437	A01	2	259.21.1157.37921	A02
3	259.21.1157.36576	A03	4	259.21.1157.37780	A04
5	259.21.1157.37951	A05	6	259.21.1157.38889	A06
7	259.21.1157.39046	A07	8	259.21.1157.39076	A08
9	259.21.1157.38404	A09	10	259.21.1157.35750	A10
11	259.21.1157.37889	A11	12	259.21.1157.39201	A12
13	259.21.1157.38139	B01	14	259.21.1157.35671	B02
15	259.21.1237.07507	C01	16	259.21.1157.36452	C02
17	259.21.1157.37982	C03	18	259.21.1157.35873	C04
19	259.21.1157.36016	C05	20	259.21.1157.37624	C06
21	259.21.1157.36045	C07	22	259.21.1157.37232	C08
23	259.21.1157.36873	C09	24	259.21.1157.37516	C10
25	259.21.1157.38733	C11	26	259.21.1157.36701	C12
27	259.21.1157.36157	C13	28	259.21.1157.35937	CPC01
29	259.21.1157.37873	CPC02	30	259.21.1157.36717	CPC03
31	259.21.1157.37390	CPC04	32	259.21.1157.35312	CPC05
33	259.21.1157.36779	CPD01	34	259.21.1157.36655	CPD02
35	259.21.1157.36404	CPD03	36	259.21.1157.36420	CPD04
37	259.21.1157.35779	CPD05	38	259.21.1157.37467	CPD06
39	259.21.1157.36187	CPD07	40	259.21.1157.38264	D01
41	259.21.1157.37187	D02	42	259.21.1157.36217	D03
43	259.21.1157.37592	D04	44	259.21.1157.36812	D05
45	259.21.1157.37248	D06	46	259.21.1157.36968	D07
47	259.21.1157.36624	D08	48	259.21.1157.36014	D09
49	259.21.1157.37264	D10	50	259.21.1157.36982	D11
51	259.21.1157.37529	D12	52	259.21.1157.36436	D13



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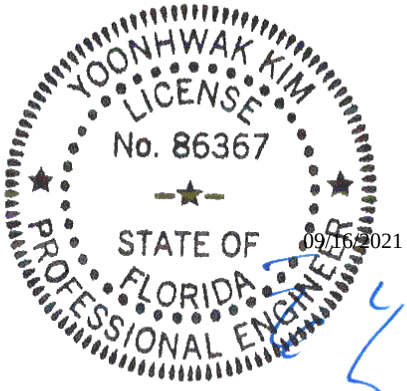
Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	*Job Number:* 21-5856
Job Description: Shelley	
Address:	

Item	Drawing Number	Truss
53	259.21.1157.38545	E01
55	259.21.1157.38327	F01
57	259.21.1157.36936	F03
59	259.21.1157.38999	FG01
61	259.21.1157.35420	G02
63	259.21.1157.38436	G04
65	259.21.1157.38092	G06
67	259.21.1157.36248	G08
69	259.21.1157.39326	H01
71	259.21.1157.38842	H03
73	259.21.1157.37843	J01
75	259.21.1157.39264	J02HJ
77	259.21.1157.39107	J03HJ
79	259.21.1157.38640	J04HJ
81	259.21.1157.38577	J06
83	259.21.1157.36156	J07
85	259.21.1157.38686	J08HJ
87	259.21.1157.35390	J10
89	259.21.1157.37827	J11
91	259.21.1157.37561	J12
93	259.21.1157.35421	J13
95	259.21.1157.35749	J14
97	259.21.1157.35889	J15
99	259.21.1157.35483	J19
101	259.21.1157.38188	J21
103	259.21.1157.37514	J27
105	259.21.1157.35326	J29
107	259.21.1237.12320	J31
109	259.21.1157.36515	J33
111	259.21.1157.37076	J35
113	259.21.1157.35609	J39
115	259.21.1157.37326	JG01
117	259.21.1157.36076	JG03
119	259.21.1157.35701	V02

Item	Drawing Number	Truss
54	259.21.1157.37279	E02
56	259.21.1157.35389	F02
58	259.21.1157.38982	F04
60	259.21.1157.38187	G01
62	259.21.1157.39170	G03
64	259.21.1157.38921	G05
66	259.21.1157.38217	G07
68	259.21.1157.38498	G09
70	259.21.1157.38811	H02
72	259.21.1157.38936	H04
74	259.21.1157.37218	J02
76	259.21.1157.35812	J03
78	259.21.1157.37842	J04
80	259.21.1157.35719	J05
82	259.21.1157.38623	J06HJ
84	259.21.1157.36843	J08
86	259.21.1157.36374	J09
88	259.21.1157.38514	J10HJ
90	259.21.1157.38123	J11HJ
92	259.21.1157.38937	J12HJ
94	259.21.1157.38265	J13HJ
96	259.21.1157.38406	J14HJ
98	259.21.1157.39312	J15HJ
100	259.21.1157.37748	J20
102	259.21.1157.38702	J26
104	259.21.1157.35718	J28
106	259.21.1157.38795	J30
108	259.21.1157.36732	J32
110	259.21.1157.37139	J34
112	259.21.1157.36937	J36
114	259.21.1157.39139	J40
116	259.21.1157.38046	JG02
118	259.21.1157.36516	V01
120	259.21.1157.37046	V03



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Site Information:	Page 3:
Customer: W. B. Howland Company, Inc.	*Job Number:* 21-5856
Job Description: Shelley	
Address:	

Item	Drawing Number	Truss
121	259.21.1157.36998	V04
123	259.21.1157.38467	V06
125	A12030ENC160118	
127	GABRST160118	
129	PB160160118	

Item	Drawing Number	Truss
122	259.21.1157.36155	V05
124	A12015ENC160118	
126	BRCLBSUB0119	
128	GBLLETIN0118	
130	VALTN160118	

General Notes

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

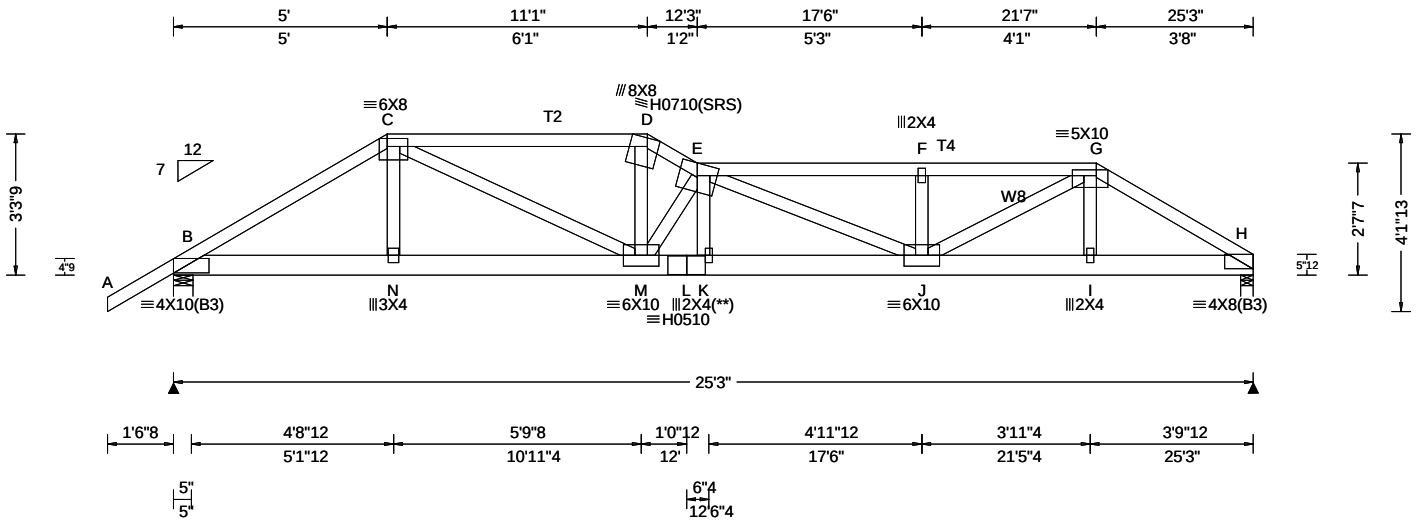
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze 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: 396639 / SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** A01	Cust: R 215 JRef:1X8V2150010 T97 / DrwNo: 259.21.1157.39437 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 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 7th Ed. 2020 Res. HVHZ
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):	0.244 K	999	240
VERT(CL):	0.495 K	605	180
HORZ(LL):	0.053 C	-	-
HORZ(TL):	0.108 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.945
Max BC CSI: 0.494
Max Web CSI: 0.863

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2374	/-	/-	/-	/309	/-
H	2161	/-	/-	/-	/233	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 2.0
H Brg Width = 3.5 Min Req = 1.8
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	513	- 4063	E - F	617	- 5546
C - D	634	- 5251	F - G	617	- 5547
D - E	696	- 5846	G - H	408	- 3687

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	3459	- 432	K - J	6624	- 780
N - M	3486	- 428	J - I	3138	- 336
M - L	6621	- 781	I - H	3126	- 339
L - K	6621	- 781			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - N	552	0	E - J	177	- 1171
C - M	1966	- 229	F - J	139	- 459
M - D	2265	- 108	J - G	2744	- 321
M - E	302	- 2927			

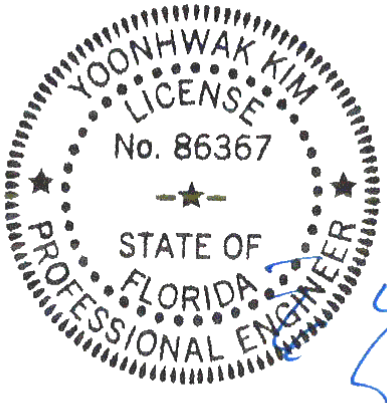
Lumber
Top chord: 2x4 SP #2; T2,T4 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W8 2x4 SP #2;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.54 to 63 plf at 25.25
BC: From 5 plf at -1.54 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 25.25
TC: 129 lb Conc. Load at 5.06, 7.06, 9.02,11.02
TC: 91 lb Conc. Load at 17.52,19.52,21.52
BC: 388 lb Conc. Load at 5.03,11.05
BC: 90 lb Conc. Load at 7.06, 9.02
BC: 221 lb Conc. Load at 16.15
BC: 67 lb Conc. Load at 17.52,19.52
BC: 229 lb Conc. Load at 21.55

Plating Notes
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

Additional Notes
The overall height of this truss excluding overhang is 3-3-9.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

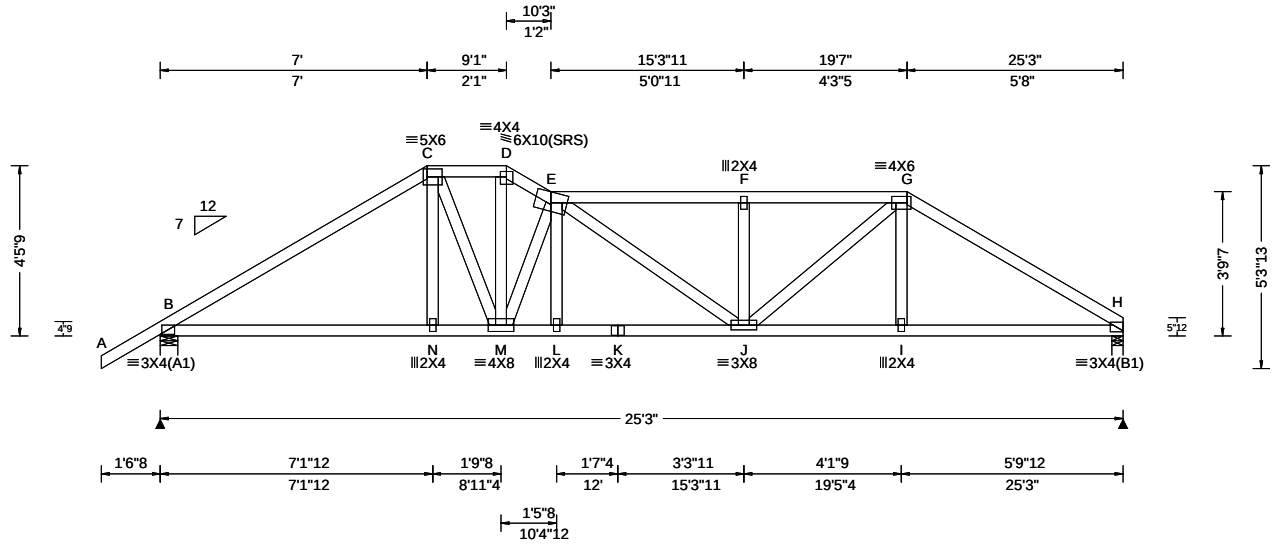
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

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

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

SEQN: 17234 / SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** A02	Cust: R 215 JRef:1X8V2150010 T113 DrwNo: 259.21.1157.37921 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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): 0.080	F	999	240
VERT(CL): 0.165	F	999	180
HORZ(LL): 0.028	H	-	-
HORZ(TL): 0.058	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.493
Max BC CSI: 0.508
Max Web CSI: 0.352

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1159	/-	/-	/661	/134	/111
H	1045	/-	/-	/574	/114	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
H Brg Width = 3.5 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	530	-1586	E - F	770	-1805
C - D	581	-1408	F - G	770	-1805
D - E	669	-1634	G - H	579	-1611

Maximum Bot Chord Forces Per Ply (lbs)

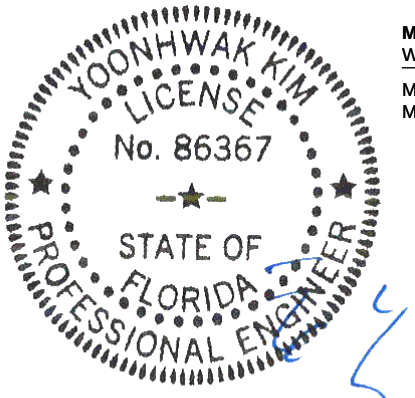
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	1275	-391	K - J	1799	-634
N - M	1279	-388	J - I	1310	-429
M - L	1796	-636	I - H	1306	-431
L - K	1799	-634			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - D	807	-331	J - G	638	-329
M - E	511	-1180			

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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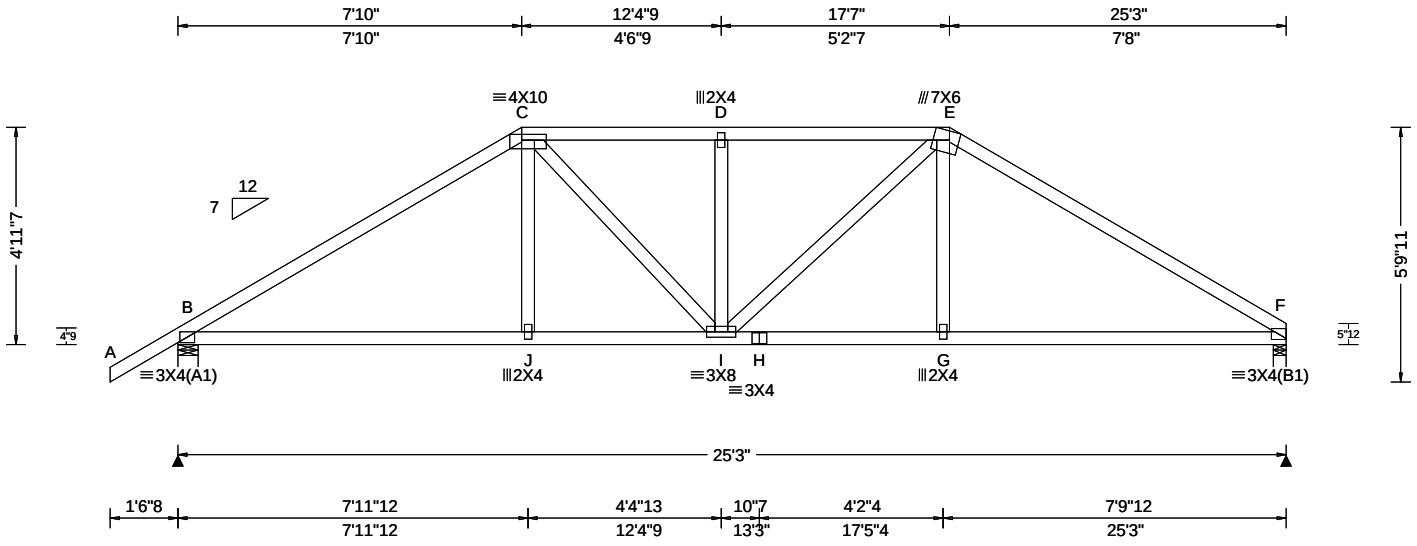
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17240 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** A03	Cust: R 215 JRef:1X8V2150010 T91 / DrwNo: 259.21.1157.36576 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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 7th Ed. 2020 Res. HVHZ
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): 0.051	D	999	240
VERT(CL): 0.105	D	999	180
HORZ(LL): 0.023	F	-	-
HORZ(TL): 0.047	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.775
Max BC CSI: 0.609
Max Web CSI: 0.157

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1159	/-	/-	/668	/135	/122
F	1045	/-	/-	/584	/113	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
F Brg Width = 3.5 Min Req = 1.5
Bearings B & 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.
B - C	505	- 1556	D - E	594	- 1397
C - D	594	- 1397	E - F	507	- 1550

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	1240	- 350	H - G	1240	- 347
J - I	1245	- 348	G - F	1235	- 350
I - H	1240	- 347			

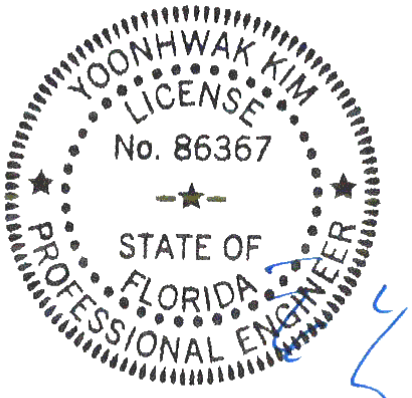
Lumber

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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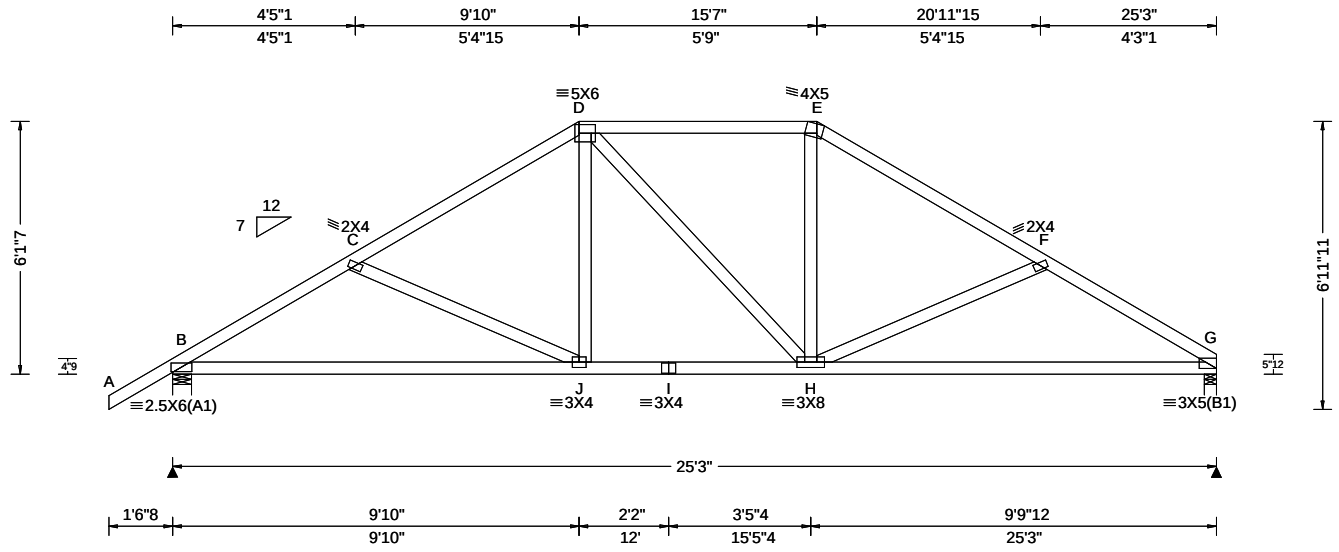
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17243 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** A04	Cust: R 215 JRef:1X8V2150010 T57 / DrwNo: 259.21.1157.37780 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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 7th Ed. 2020 Res. HVHZ
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): 0.054	J	999	240
VERT(CL): 0.111	J	999	180
HORZ(LL): 0.028	G	-	-
HORZ(TL): 0.057	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.322
Max BC CSI: 0.783
Max Web CSI: 0.229

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1159	/-	/-	/675	/132	/148
G	1045	/-	/-	/591	/110	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
G Brg Width = 3.5 Min Req = 1.5
Bearings B & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

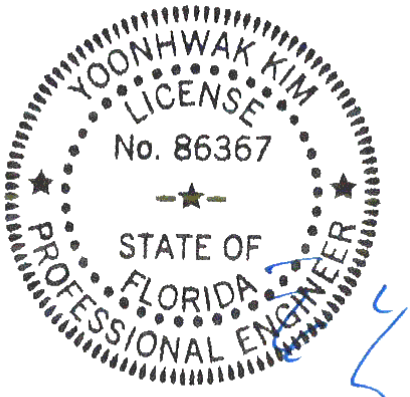
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	421	-1648	E - F	386	-1338
C - D	387	-1348	F - G	423	-1634
D - E	375	-1091			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	1369	-307	I - H	1091	-202
J - I	1091	-202	H - G	1353	-310

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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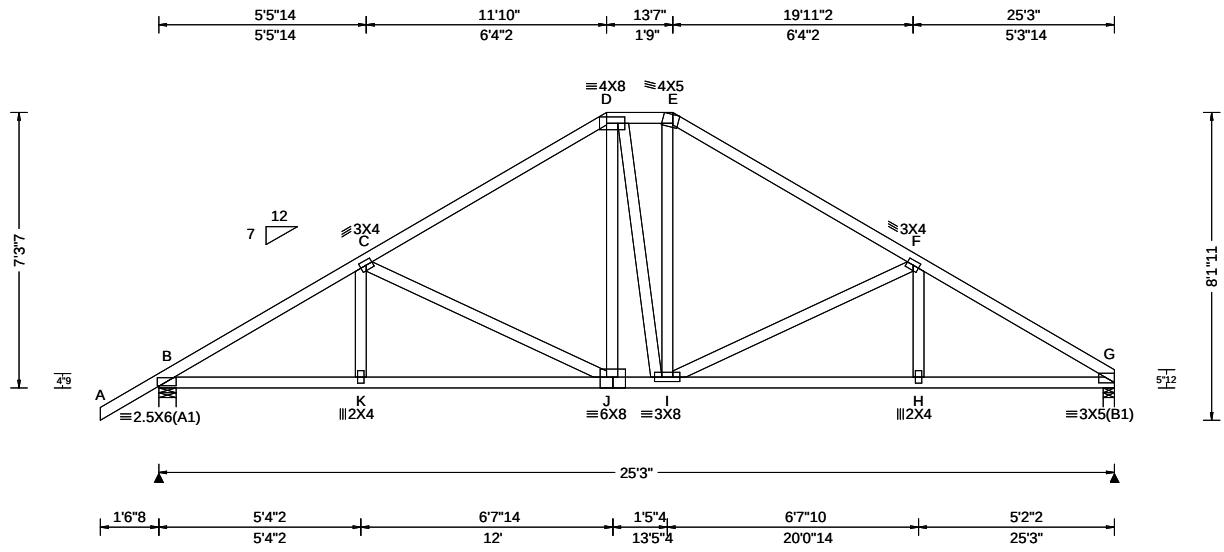
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17246 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** A05	Cust: R 215 JRef:1X8V2150010 T94 / DrwNo: 259.21.1157.37951 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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 7th Ed. 2020 Res. HVHZ
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): 0.058	J	999	240
VERT(CL): 0.120	J	999	180
HORZ(LL): 0.031	G	-	-
HORZ(TL): 0.064	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.470
Max BC CSI: 0.545
Max Web CSI: 0.496

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1159	/-	/-	/677	/129	/174
G	1045	/-	/-	/593	/107	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
G Brg Width = 3.5 Min Req = 1.5
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	261	- 1675	E - F	264	- 1197
C - D	265	- 1202	F - G	263	- 1658
D - E	269	- 950			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	1378	- 168	I - H	1360	- 173
K - J	1376	- 170	H - G	1362	- 171
J - I	947	- 58			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - J	125	- 481	I - F	129	- 464

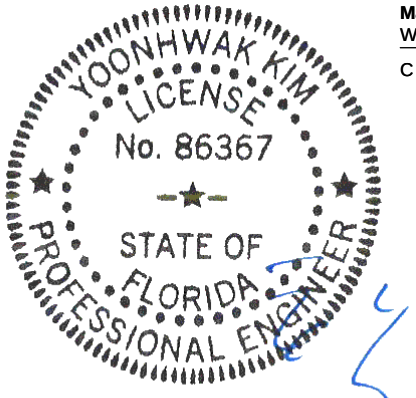
Lumber

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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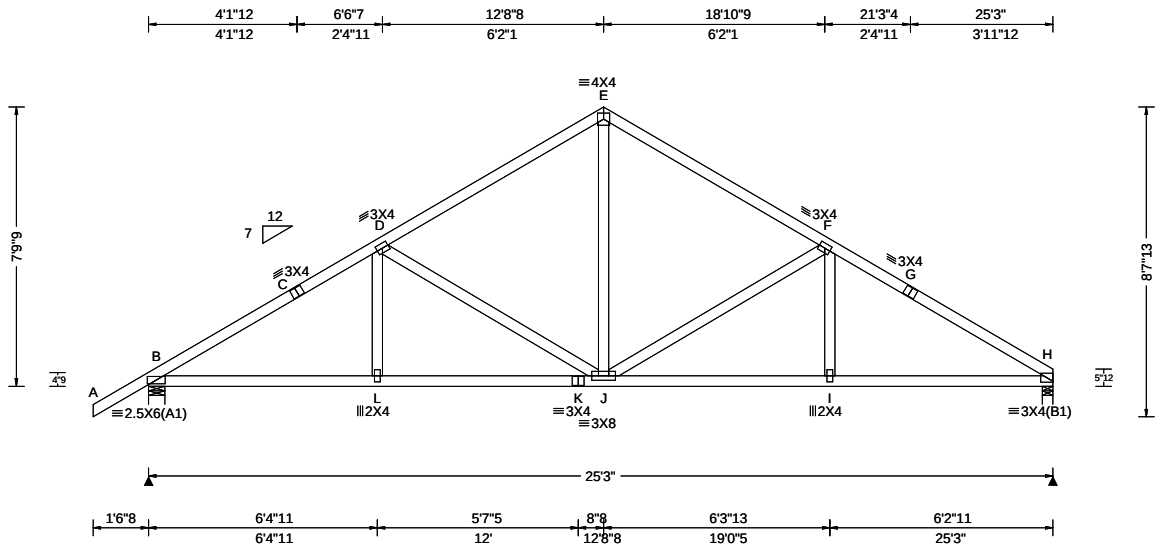
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 16692 / SPEC FROM:	Ply: 1 Qty: 2	**Job Number:** 21-5856 Shelley **Truss Label:** A06	Cust: R 215 JRef:1X8V2150010 T86 / DrwNo: 259.21.1157.38889 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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):	0.056 J	999	240
VERT(CL):	0.116 J	999	180
HORZ(LL):	0.027 H	-	-
HORZ(TL):	0.056 H	-	-

Creep Factor: 2.0
Max TC CSI: 0.395
Max BC CSI: 0.481
Max Web CSI: 0.514

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1159	/-	/-	/677	/-	/185
H	1045	/-	/-	/593	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
H Brg Width = 3.5 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	192	-1626	E - F	212	-1136
C - D	206	-1506	F - G	208	-1493
D - E	212	-1137	G - H	194	-1614

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	1322	-107	J - I	1308	-111
L - K	1320	-108	I - H	1310	-110
K - J	1320	-108			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - J	133	-499	J - F	137	-485
E - J	653	-78			

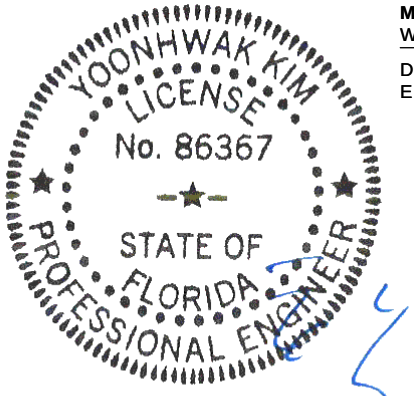
Lumber

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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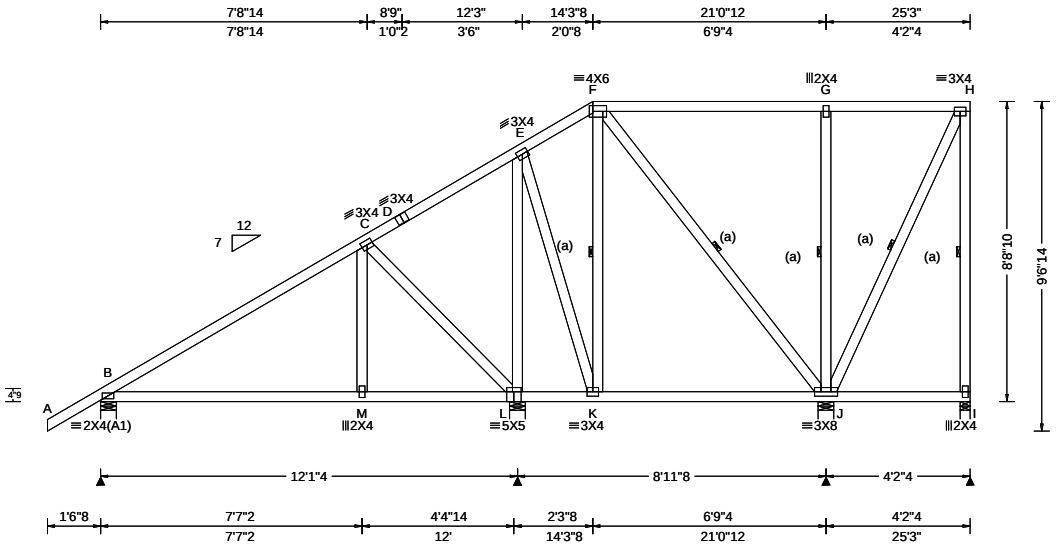
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 16682 / HIPM FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** A07	Cust: R 215 JRef:1X8V2150010 T23 / DrwNo: 259.21.1157.39046 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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): 0.010	B	999	240
VERT(CL): 0.021	B	999	180
HORZ(LL): 0.008	B	-	-
HORZ(TL): 0.017	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.631
Max BC CSI: 0.464
Max Web CSI: 0.415

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	637	/-	/-	/395	/-	/197
L	764	/-	/-	/500	/30	/-
J	775	/-	/-	/379	/110	/-
I	81	/-15	/-	/30	/13	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
L Brg Width = 5.5 Min Req = 1.5
J Brg Width = 5.5 Min Req = 1.5
I Brg Width = 3.5 Min Req = 1.5
Bearings B, L, J, & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	0	-581

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	408	-154	M - L	406	-155

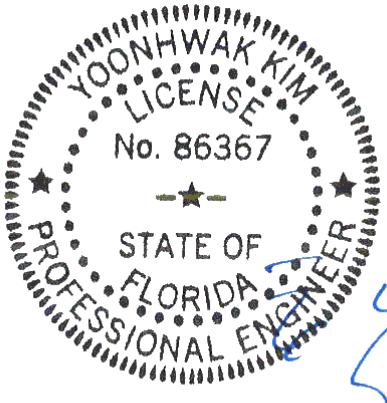
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - L	134	-538	G - J	375	-450

Lumber
Top chord: 2x4 SP #2;
Bot chord: 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.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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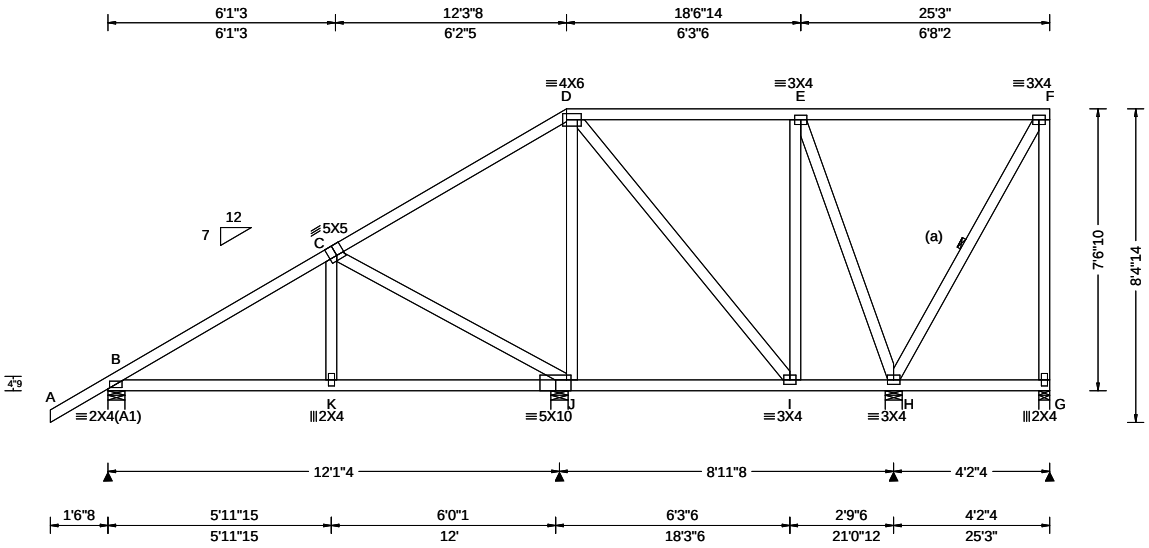
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 16677 / HIPM FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** A08	Cust: R 215 JRef:1X8V2150010 T66 / DrwNo: 259.21.1157.39076 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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 7th Ed. 2020 Res. HVHZ
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):	0.009 K	999	240
VERT(CL):	0.017 K	999	180
HORZ(LL):	0.003 J	-	-
HORZ(TL):	0.007 J	-	-

Creep Factor: 2.0
Max TC CSI: 0.829
Max BC CSI: 0.322
Max Web CSI: 0.581

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	571	/-	/-	/354	/21	/237
J	948	/-	/-	/601	/121	/-
H	646	/-	/-	/305	/107	/-
G	103	/-30	/-	/37	/15	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
J Brg Width = 5.5 Min Req = 1.5
H Brg Width = 5.5 Min Req = 1.5
G Brg Width = 3.5 Min Req = 1.5
Bearings B, J, H, & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	0	-542

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	401	-152	K - J	399	-154

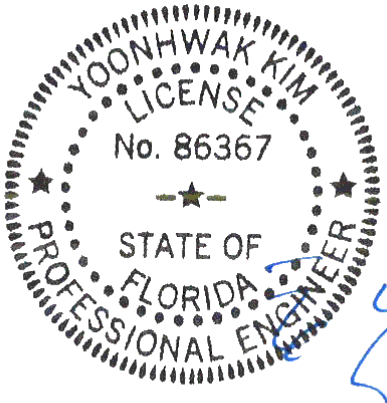
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - J	151	-564	E - H	343	-469
D - J	244	-534			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 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.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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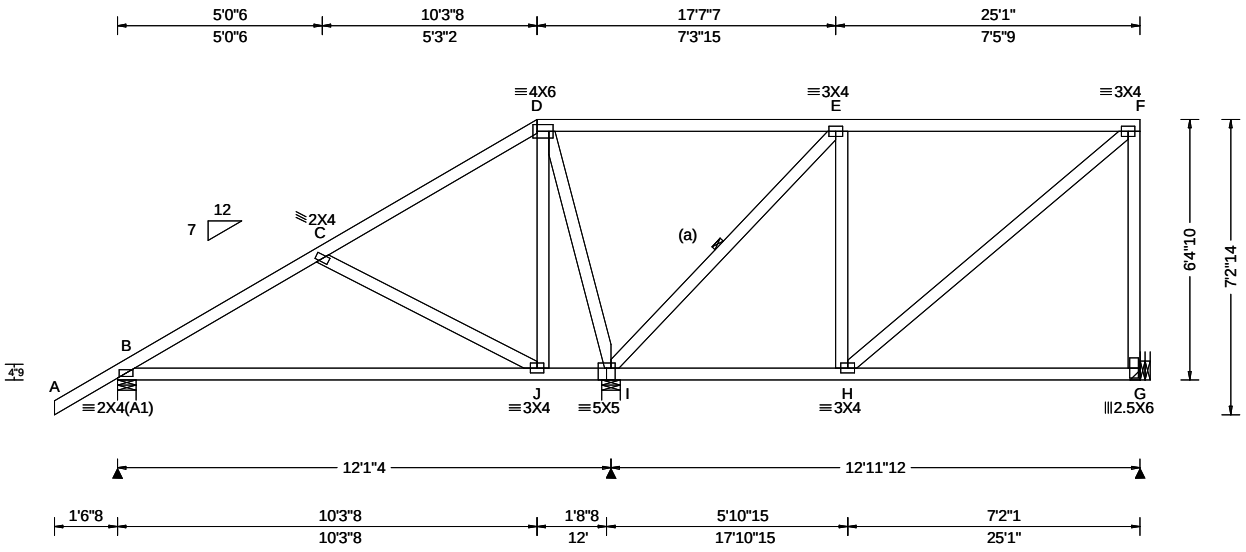
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 16690 / HIPM FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** A09	Cust: R 215 JRef:1X8V2150010 T71 / DrwNo: 259.21.1157.38404 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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 7th Ed. 2020 Res. HVHZ
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): 0.008	E	999	240
VERT(CL): 0.026	B	999	180
HORZ(LL): 0.005	B	-	-
HORZ(TL): 0.017	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.854
Max BC CSI: 0.765
Max Web CSI: 0.554

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	556	/-	/-	/364	/-	/202
I	1203	/-	/-	/645	/229	/-
G	496	/-	/-	/257	/45	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
I Brg Width = 5.5 Min Req = 1.5
G Brg Width = - Min Req = -
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.
B - C	0	-494

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - J	381	-95

Maximum Web Forces Per Ply (lbs)

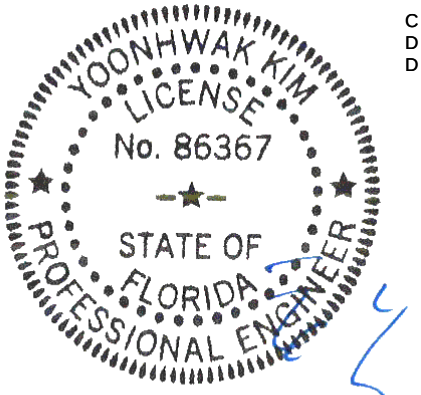
Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - J	166	-393	I - E	396	-698
D - J	500	0	H - F	397	-160
D - I	237	-719	F - G	256	-438

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

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

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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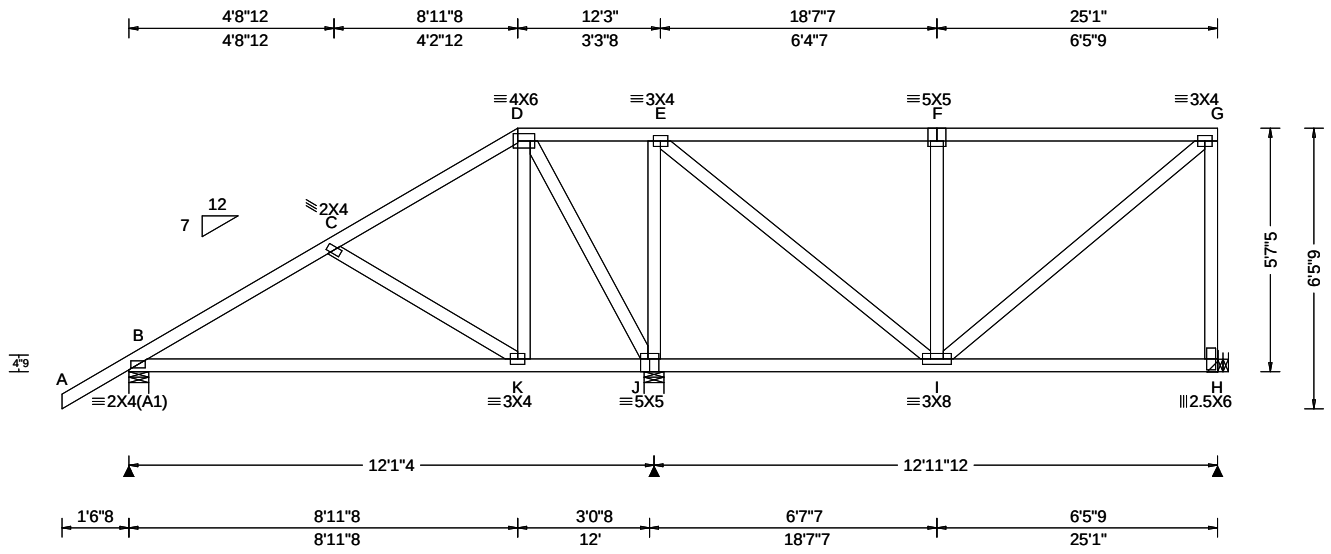
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9604 / HIPM FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** A10	Cust: R 215 JRef:1X8V2150010 T120 DrwNo: 259.21.1157.35750 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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 7th Ed. 2020 Res. HVHZ
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): 0.012	F	999	240
VERT(CL): 0.025	F	999	180
HORZ(LL): 0.004	B	-	-
HORZ(TL): 0.012	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.554
Max BC CSI: 0.577
Max Web CSI: 0.392

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	545	/-	/-	/352	/13	/178
J	1200	/-	/-	/642	/201	/-
H	498	/-	/-	/249	/54	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
J Brg Width = 5.5 Min Req = 1.5
H Brg Width = - Min Req = -
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.
B - C	0	-484

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - J	126	-499	F - I	386	-470
J - E	454	-702	I - G	451	-202
E - I	572	-280	G - H	265	-448

Lumber

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

Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

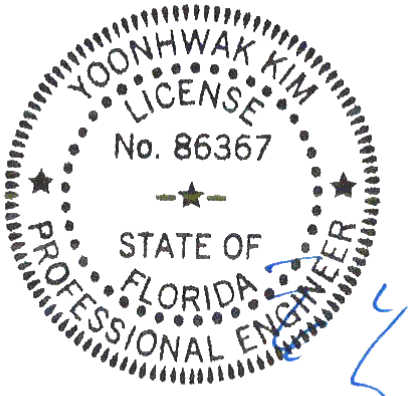
Bearing at location x=24'10" uses the following support conditions: 24'10"
Bearing H (24'10", 10') LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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09/16/2021

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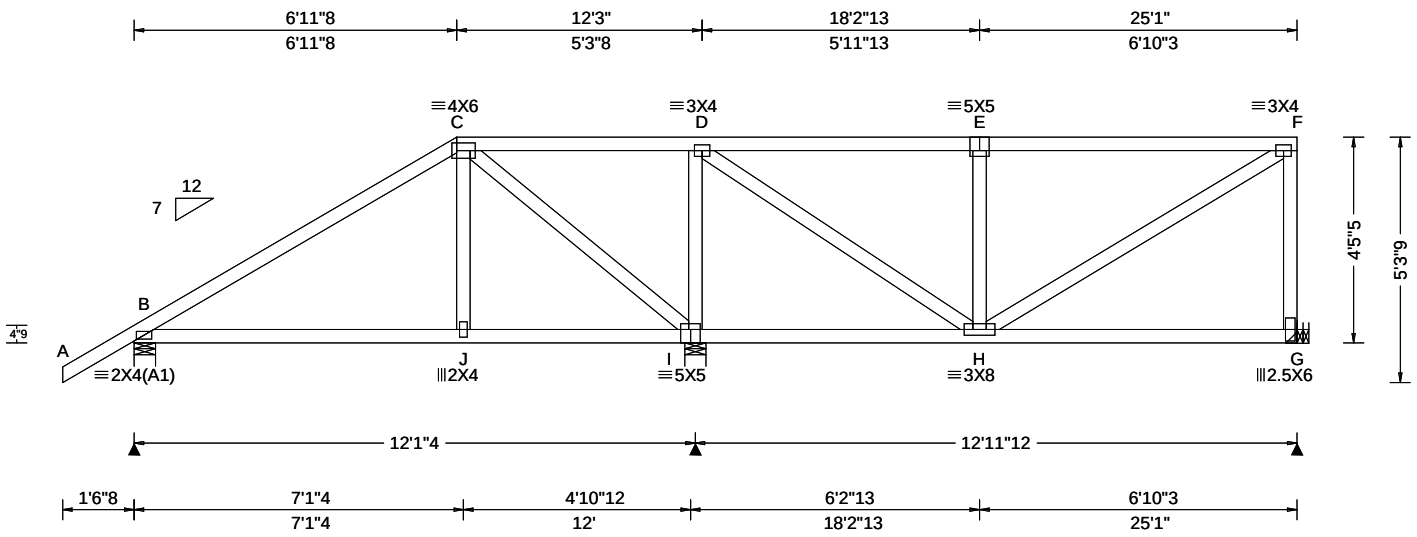
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9606 / HIPM FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** A11	Cust: R 215 JRef:1X8V2150010 T128 DrwNo: 259.21.1157.37889 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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): 0.014	E	999	240
VERT(CL): 0.029	E	999	180
HORZ(LL): 0.009	B	-	-
HORZ(TL): 0.019	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.712
Max BC CSI: 0.473
Max Web CSI: 0.378

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	603	/-	/-	/378	/60	/143
I	1102	/-	/-	/562	/127	/-
G	511	/-	/-	/256	/74	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
I Brg Width = 5.5 Min Req = 1.5
G Brg Width = - Min Req = -
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	48	- 504	E - F	231	- 459
D - E	231	- 459			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - I	153	- 477	E - H	382	- 474
I - D	472	- 712	H - F	537	- 271
D - H	620	- 290	F - G	290	- 455

Lumber

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

Hangers / Ties

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Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

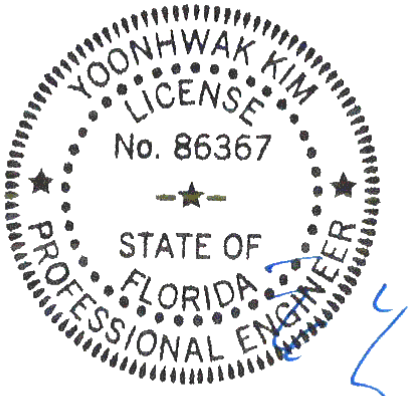
Bearing at location x=24'10" uses the following support conditions: 24'10"
Bearing G (24'10", 10') LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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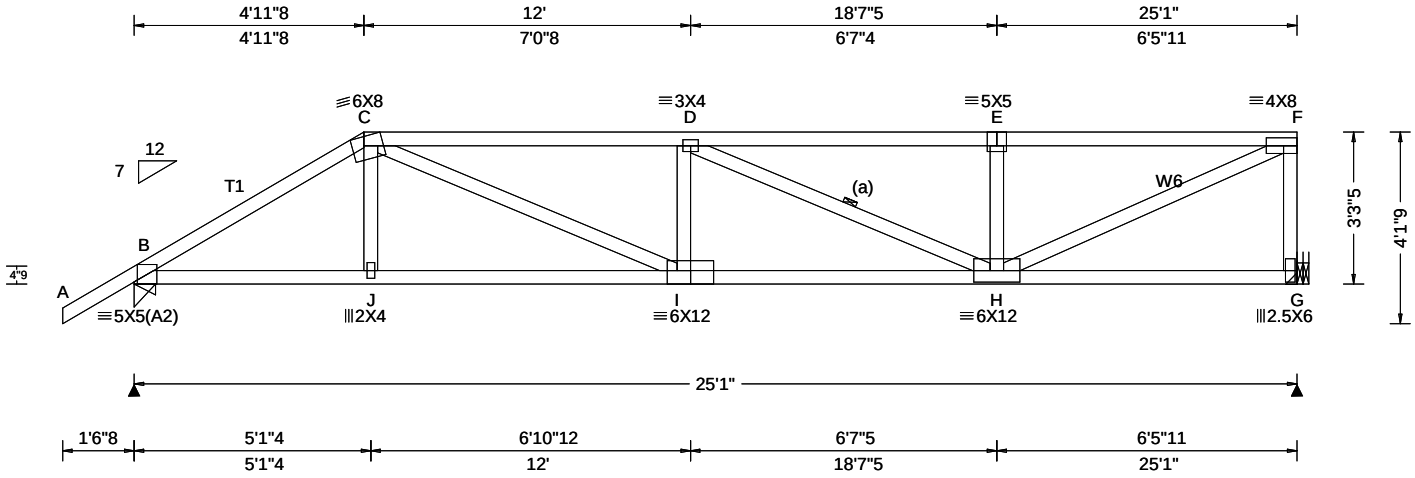
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396641 / HIPM FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** A12	Cust: R 215 JRef:1X8V2150010 T10 DrwNo: 259.21.1157.39201 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.184	D	999	240
VERT(CL): 0.371	D	806	180
HORZ(LL): 0.043	C	-	-
HORZ(TL): 0.086	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.632
Max BC CSI: 0.660
Max Web CSI: 0.823

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2036	/-	/-	/-	/303	/-
G	2065	/-	/-	/-	/251	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.7
G Brg Width = - 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.	Chords	Tens.	Comp.
B - C	492	- 3344	D - E	459	- 3345
C - D	643	- 4276	E - F	459	- 3345

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	2815	- 408	I - H	4301	- 662
J - I	2840	- 405			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - J	513	0	E - H	197	- 609
C - I	1568	- 260	H - F	3648	- 502
D - H	222	- 1050	F - G	240	- 1642

Lumber

Top chord: 2x4 SP M-31; T1 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W6 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.54 to 63 plf at 4.96
TC: From 32 plf at 4.96 to 32 plf at 25.08
BC: From 5 plf at -1.54 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 4.99
BC: From 10 plf at 4.99 to 10 plf at 25.08
TC: 129 lb Conc. Load at 5.02, 7.02, 9.02,11.02 13.02,15.02,17.02
TC: 140 lb Conc. Load at 19.02
TC: 118 lb Conc. Load at 21.02
BC: 382 lb Conc. Load at 4.99
BC: 90 lb Conc. Load at 7.02, 9.02,11.02,13.02 15.02,17.02,21.02
BC: 94 lb Conc. Load at 19.02
BC: 215 lb Conc. Load at 23.02
BC: 263 lb Conc. Load at 24.52

Hangers / Ties

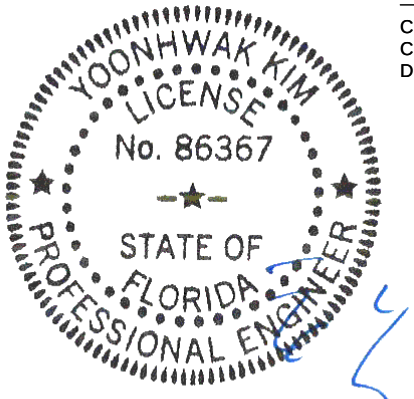
(J) Hanger Support Required, by others

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.

Additional Notes

The overall height of this truss excluding overhang is 3-3-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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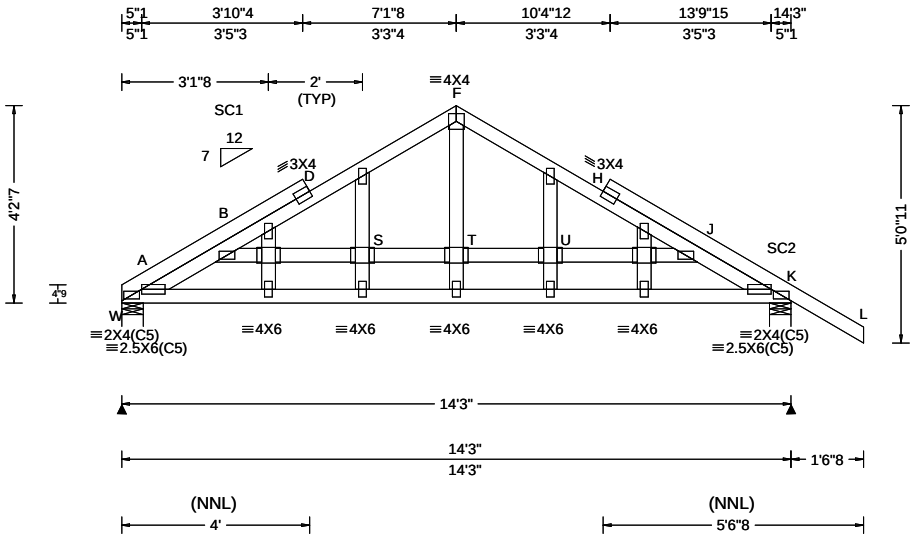
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396643 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** B01	Cust: R 215 JRef:1X8V2150010 T54 / DrwNo: 259.21.1157.38139 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.031	D	999	240
VERT(CL): 0.066	D	999	180
HORZ(LL): 0.015	D	-	-
HORZ(TL): 0.031	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.271
Max BC CSI: 0.387
Max Web CSI: 0.196

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
W	447	/-	/-	/-	/236	/-
K	496	/-	/-	/-	/311	/-

Wind reactions based on MWFRS
W Brg Width = 5.5 Min Req = 1.5
K Brg Width = 5.5 Min Req = 1.5
Bearings W & 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.
A - D	297	-529	F - H	185	-389
D - F	186	-382	H - K	330	-493

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - K	722	-347

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - T	191	-388	T - U	195	-382

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Special Loads

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

TC: From	32 plf at	0.00 to	32 plf at	13.83
TC: From	63 plf at	13.83 to	63 plf at	15.79
BC: From	10 plf at	0.00 to	10 plf at	14.25
BC: From	5 plf at	14.25 to	5 plf at	15.79

TC: -9 lb Conc. Load at 1.40, 3.40, 5.40, 7.13 8.85,10.85,12.85
BC: 65 lb Conc. Load at 1.36
BC: 13 lb Conc. Load at 3.40, 5.40, 7.13, 8.85 10.85
BC: 27 lb Conc. Load at 12.89

Plating Notes

All plates are 2X4 except as noted.

Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind

Wind loads and reactions based on MWFRS.

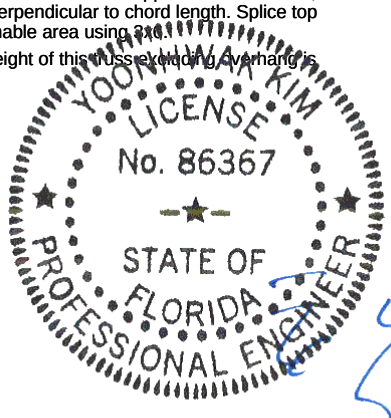
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12015ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

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

The overall height of this truss excluding overhang is 4-2-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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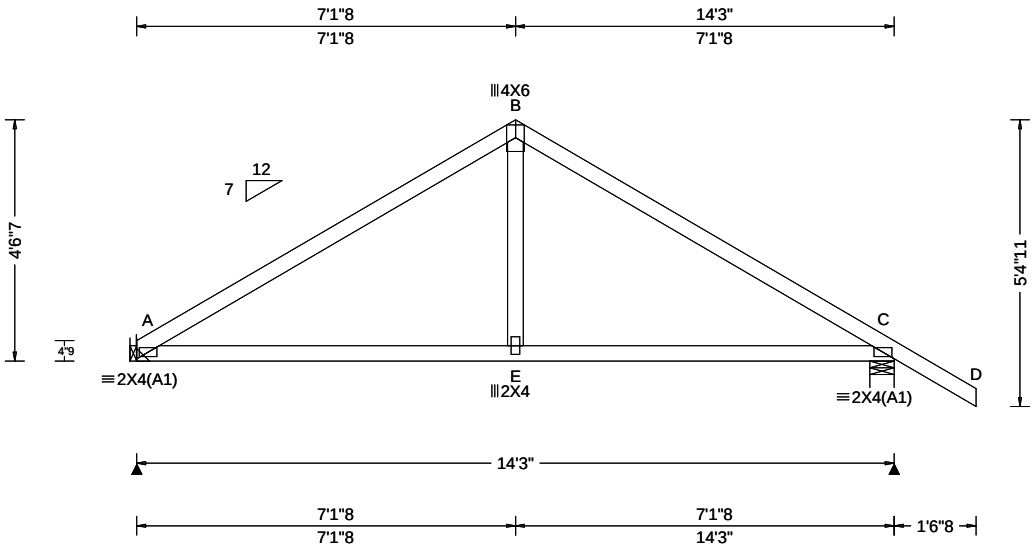
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9616 / COMN FROM:	Ply: 1 Qty: 2	**Job Number:** 21-5856 Shelley **Truss Label:** B02	Cust: R 215 JRef:1X8V2150010 T35 / DrwNo: 259.21.1157.35671 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
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 7th Ed. 2020 Res. HVHZ
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): 0.010	A	999	240
VERT(CL): 0.020	A	999	180
HORZ(LL): 0.008	A	-	-
HORZ(TL): 0.016	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.542
Max BC CSI: 0.495
Max Web CSI: 0.122

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	585	/-	/-	/335	/57	/115
C	705	/-	/-	/419	/81	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
C Brg Width = 5.5 Min Req = 1.5
Bearing C is 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	286	- 748	B - C	281	- 752

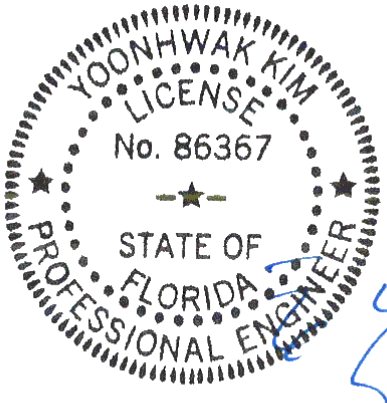
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	564	- 73	E - C	564	- 73

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

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



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09/16/2021

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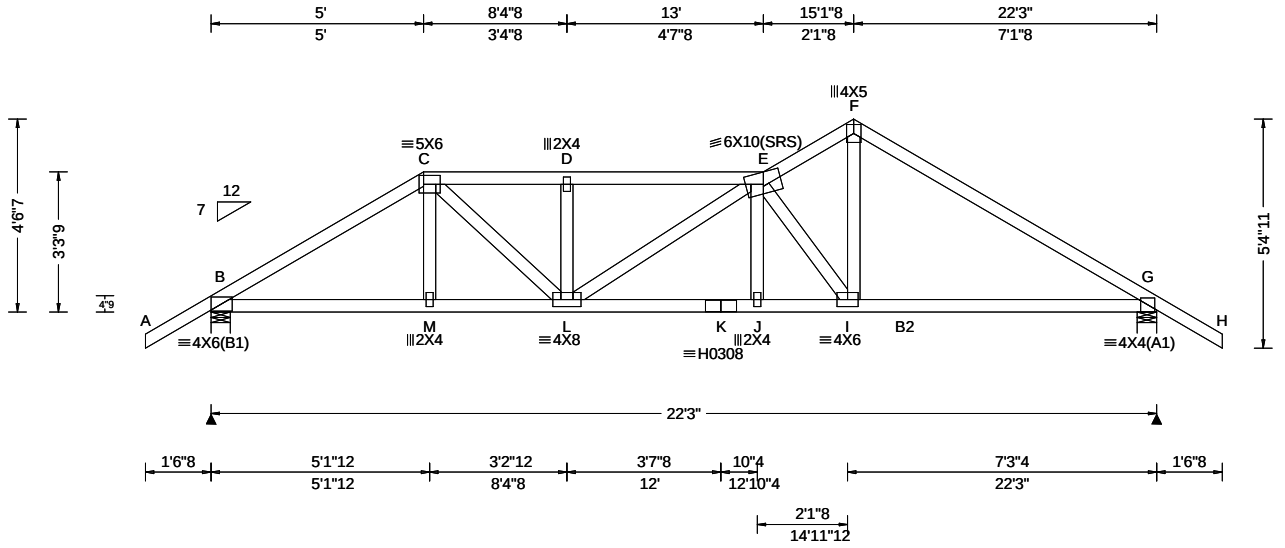
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396795 SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** C01	Cust: R 215 JRef:1X8V2150010 T49 DrwNo: 259.21.1237.07507 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 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 7th Ed. 2020 Res. HVHZ
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): 0.120	D	999	240
VERT(CL): 0.241	D	999	180
HORZ(LL): 0.035	G	-	-
HORZ(TL): 0.070	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.621
Max BC CSI: 0.741
Max Web CSI: 0.632

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1925	/-	/-	/-	/254	/-
G	1414	/-	/-	/-	/180	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.6
G Brg Width = 5.5 Min Req = 1.7
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	398	- 3077	E - F	233	- 2019
C - D	417	- 3358	F - G	260	- 2069
D - E	417	- 3358			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	2572	- 321	K - J	2758	- 326
M - L	2597	- 320	J - I	2759	- 327
L - K	2758	- 326	I - G	1690	- 195

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - M	503	0	E - I	232	- 1835
C - L	1018	- 129	I - F	1660	- 136
L - E	714	- 108			

Lumber

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

Special Loads

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

TC: From	63 plf at	-1.54 to	63 plf at	5.00
TC: From	32 plf at	5.00 to	32 plf at	7.94
TC: From	63 plf at	7.94 to	63 plf at	23.79
BC: From	5 plf at	-1.54 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	5.03
BC: From	10 plf at	5.03 to	10 plf at	7.94
BC: From	20 plf at	7.94 to	20 plf at	22.25
BC: From	5 plf at	22.25 to	5 plf at	23.79

TC: 129 lb Conc. Load at 5.06
TC: 140 lb Conc. Load at 7.06
BC: 388 lb Conc. Load at 5.03
BC: 94 lb Conc. Load at 7.06
BC: 650 lb Conc. Load at 7.94

Wind

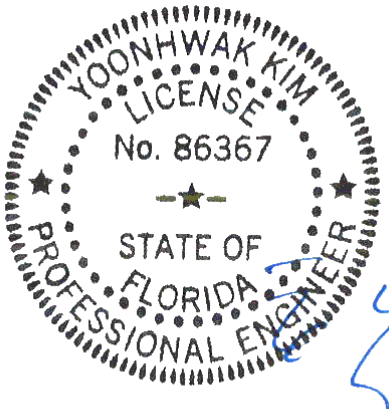
Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 4-6-7.

WIND LOAD CASE MODIFIED!



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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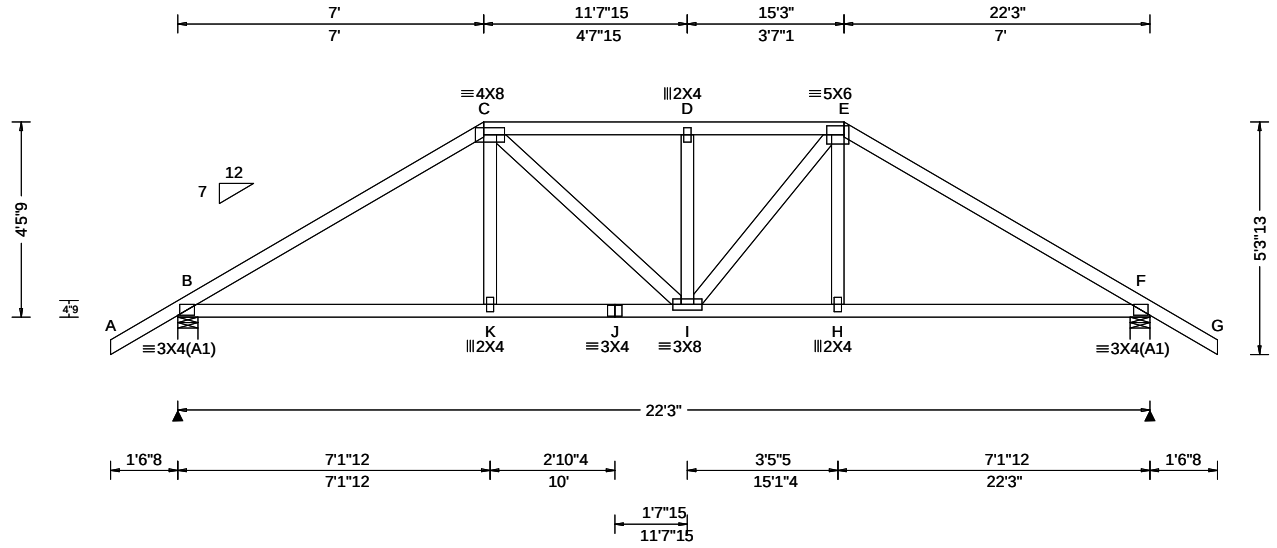
Suite 305
Orlando FL, 32821

SEQN: 9620 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** C02	Cust: R 215 JRef:1X8V2150010 T42 DrwNo: 259.21.1157.36452 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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 7th Ed. 2020 Res. HVHZ
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	D	999	240
VERT(CL): 0.080	D	999	180
HORZ(LL): 0.018	F	-	-
HORZ(TL): 0.036	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.514
Max BC CSI: 0.487
Max Web CSI: 0.117

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1030	/-	/-	/598	/120	/128
F	1030	/-	/-	/598	/120	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
F Brg Width = 5.5 Min Req = 1.5
Bearings B & 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.
B - C	462	- 1345	D - E	535	- 1187
C - D	535	- 1187	E - F	460	- 1341

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	1069	- 287	I - H	1069	- 289
K - J	1074	- 285	H - F	1065	- 291
J - I	1074	- 285			

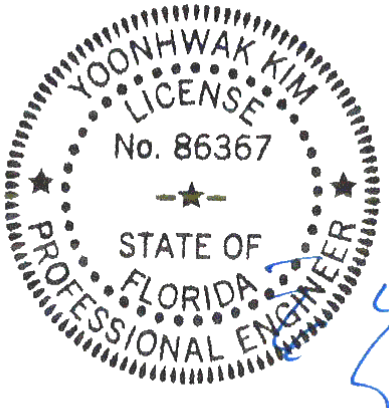
Lumber

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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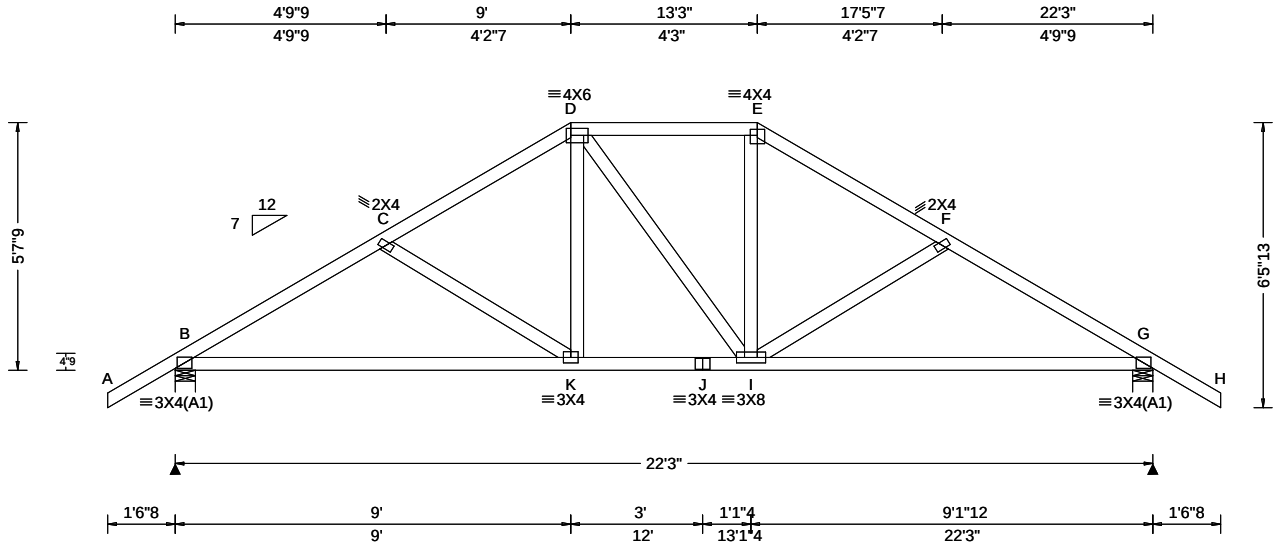
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9622 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** C03	Cust: R 215 JRef:1X8V2150010 T41 DrwNo: 259.21.1157.37982 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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 7th Ed. 2020 Res. HVHZ
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	K	999	240
VERT(CL): 0.079	K	999	180
HORZ(LL): 0.019	G	-	-
HORZ(TL): 0.038	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.223
Max BC CSI: 0.678
Max Web CSI: 0.143

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1030	/-	/-	/604	/117	/154
G	1030	/-	/-	/604	/117	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
G Brg Width = 5.5 Min Req = 1.5
Bearings B & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

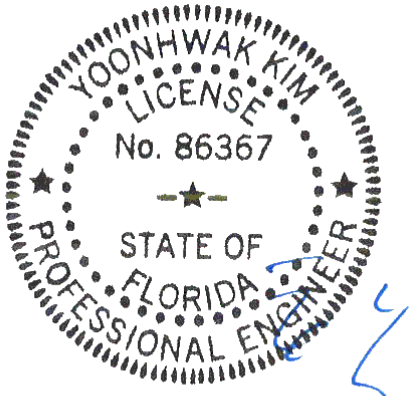
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	347	- 1387	E - F	324	- 1126
C - D	325	- 1131	F - G	348	- 1386
D - E	311	- 919			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	1137	- 201	J - I	916	- 119
K - J	916	- 119	I - G	1136	- 210

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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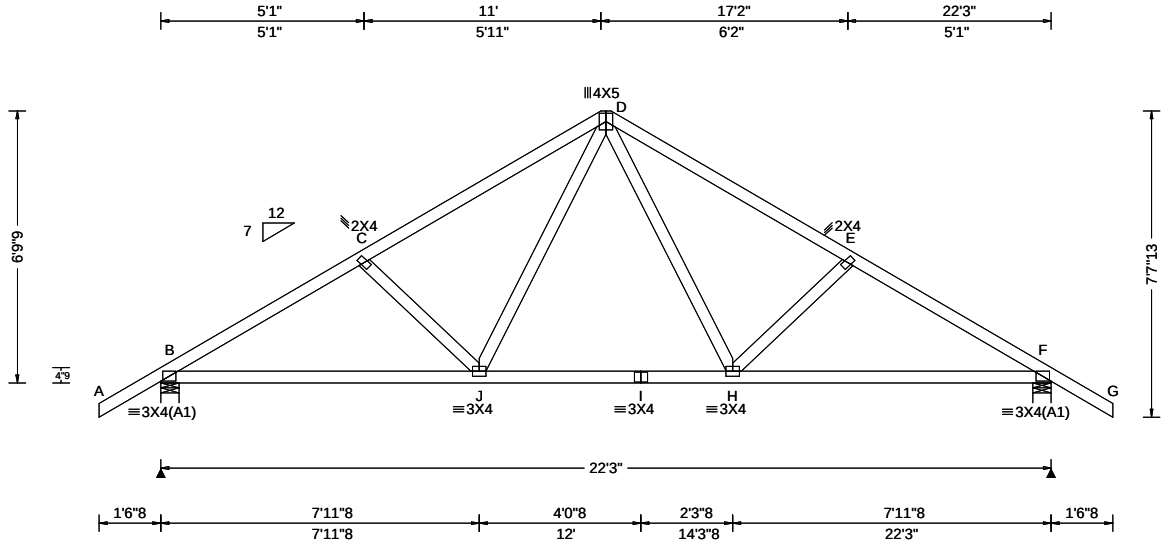
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9624 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** C04	Cust: R 215 JRef:1X8V2150010 T51 / DrwNo: 259.21.1157.35873 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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 7th Ed. 2020 Res. HVHZ
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): 0.042	H	999	240
VERT(CL): 0.085	H	999	180
HORZ(LL): 0.018	F	-	-
HORZ(TL): 0.037	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.386
Max BC CSI: 0.551
Max Web CSI: 0.157

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1030	/-	/-	/605	/112	/180
F	1030	/-	/-	/605	/112	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
F Brg Width = 5.5 Min Req = 1.5
Bearings B & 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.
B - C	196	-1408	D - E	196	-1185
C - D	196	-1185	E - F	196	-1408

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	1155	-80	I - H	774	0
J - I	774	0	H - F	1155	-82

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - D	412	-34	D - H	412	-34

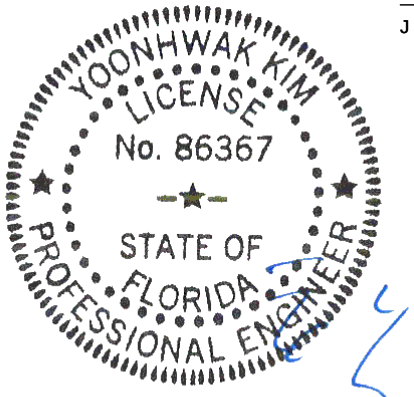
Lumber

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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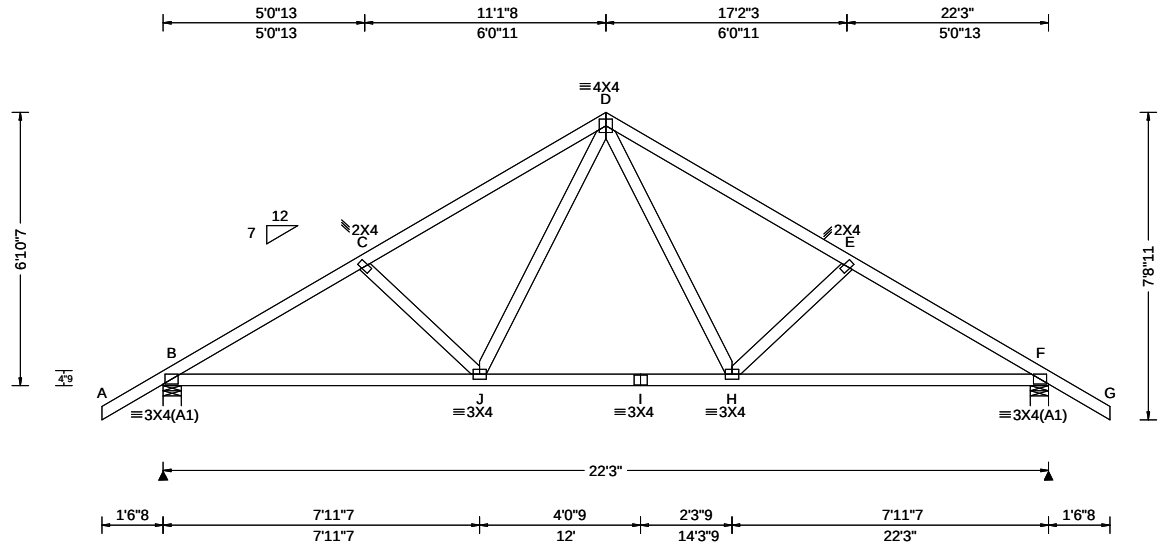
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17455 / COMN FROM:	Ply: 1 Qty: 4	**Job Number:** 21-5856 Shelley **Truss Label:** C05	Cust: R 215 JRef:1X8V2150010 T46 / DrwNo: 259.21.1157.36016 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 0.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
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 7th Ed. 2020 Res. HVHZ
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): 0.049	H	999	240
VERT(CL): 0.095	H	999	180
HORZ(LL): 0.022	F	-	-
HORZ(TL): 0.043	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.397
Max BC CSI: 0.550
Max Web CSI: 0.169

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1079	/-	/-	/605	/-	/181
F	1079	/-	/-	/605	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
F Brg Width = 5.5 Min Req = 1.5
Bearings B & 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.
B - C	199	-1511	D - E	198	-1289
C - D	198	-1289	E - F	199	-1511

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	1241	-78	I - H	840	0
J - I	840	0	H - F	1242	-85

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - D	444	-33	D - H	444	-33

Lumber

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

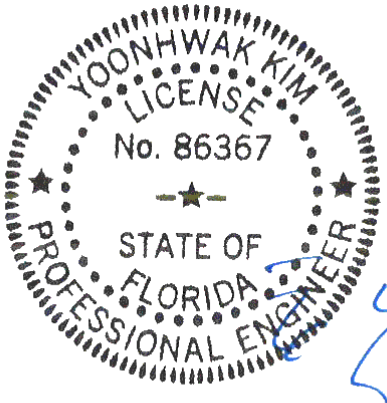
Loading

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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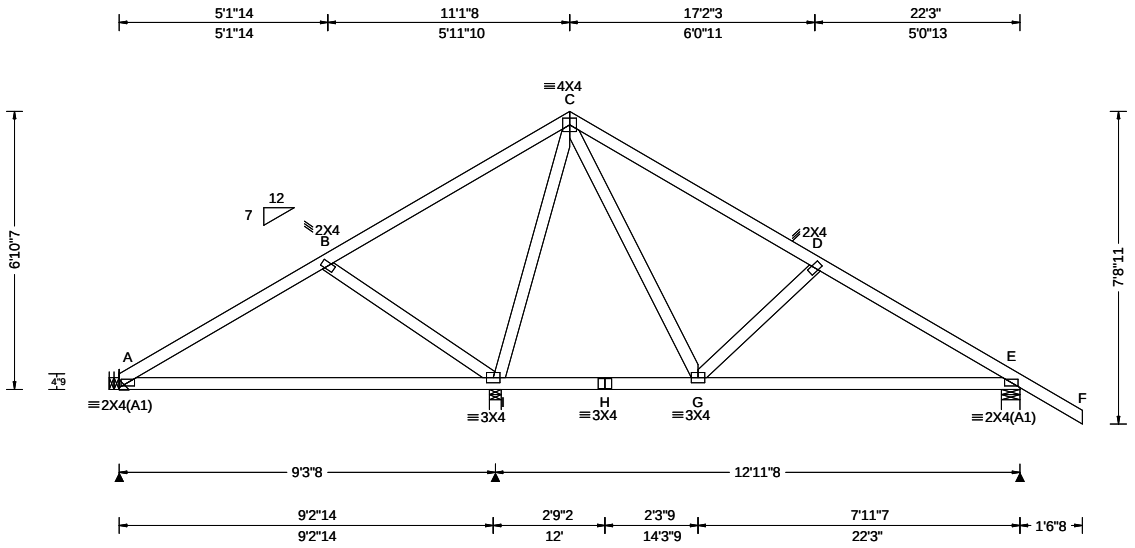
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17449 / COMN FROM:	Ply: 1 Qty: 5	**Job Number:** 21-5856 Shelley **Truss Label:** C06	Cust: R 215 JRef:1X8V2150010 T137 DrwNo: 259.21.1157.37624 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 0.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
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 7th Ed. 2020 Res. HVHZ
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): 0.011	D	999	240
VERT(CL): 0.025	A	999	180
HORZ(LL): 0.006	A	-	-
HORZ(TL): 0.017	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.655
Max BC CSI: 0.601
Max Web CSI: 0.564

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	362	/-	/-	/215	/-	/167
I	1019	/-	/-	/527	/-	/-
E	626	/-	/-	/420	/-	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
I Brg Width = 3.5 Min Req = 1.5
E Brg Width = 5.5 Min Req = 1.5
Bearings I & 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.
C - D	73	- 416	D - E	80	- 656

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
G - E	519	0

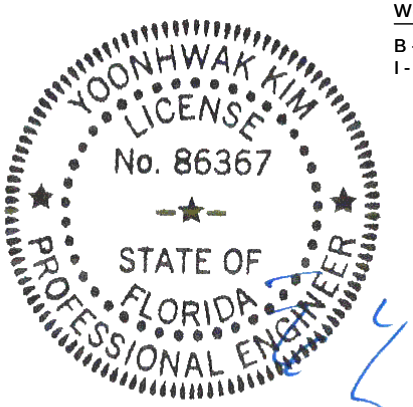
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - I	182	- 421	C - G	412	- 63
I - C	139	- 633			

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

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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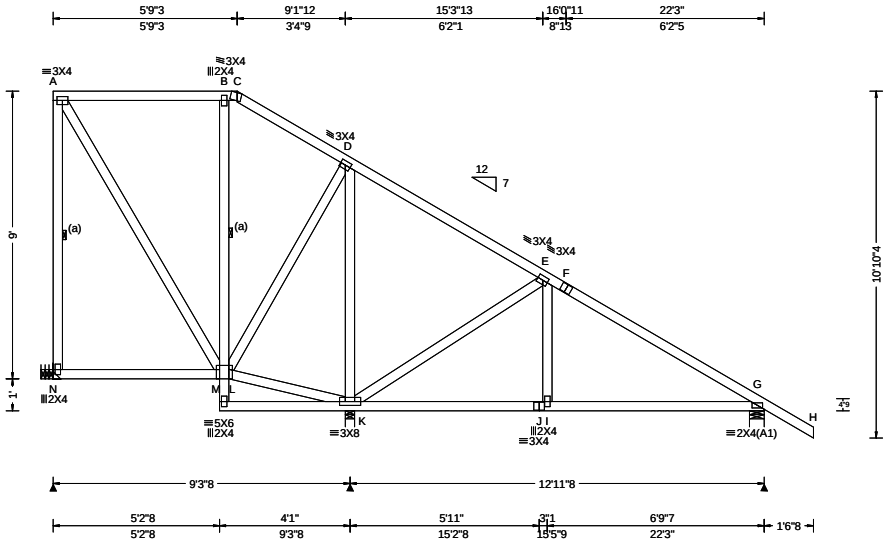
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17317 / MONO FROM:	Ply: 1 Qty: 7	**Job Number:** 21-5856 Shelley **Truss Label:** C07	Cust: R 215 JRef:1X8V2150010 T127 DrwNo: 259.21.1157.36045 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.91 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
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 7th Ed. 2020 Res. HVHZ
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): 0.008	B	999	240
VERT(CL): 0.015	B	999	180
HORZ(LL): 0.005	G	-	-
HORZ(TL): 0.011	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.489
Max BC CSI: 0.375
Max Web CSI: 0.756

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	414	/-	/-	/172	/-	/228
K	1106	/-	/-	/662	/-	/-
G	590	/-	/-	/387	/-	/-

Wind reactions based on MWFRS
N Brg Width = - Min Req = -
K Brg Width = 3.5 Min Req = 1.5
G Brg Width = 5.5 Min Req = 1.5
Bearings K & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
F - G	39	-534

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	378	0	I - G	381	0
J - I	378	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - K	0	-660	K - E	146	-565

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

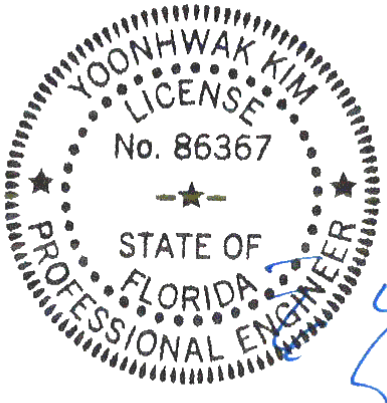
Bracing
(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties
(J) Hanger Support Required, by others

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.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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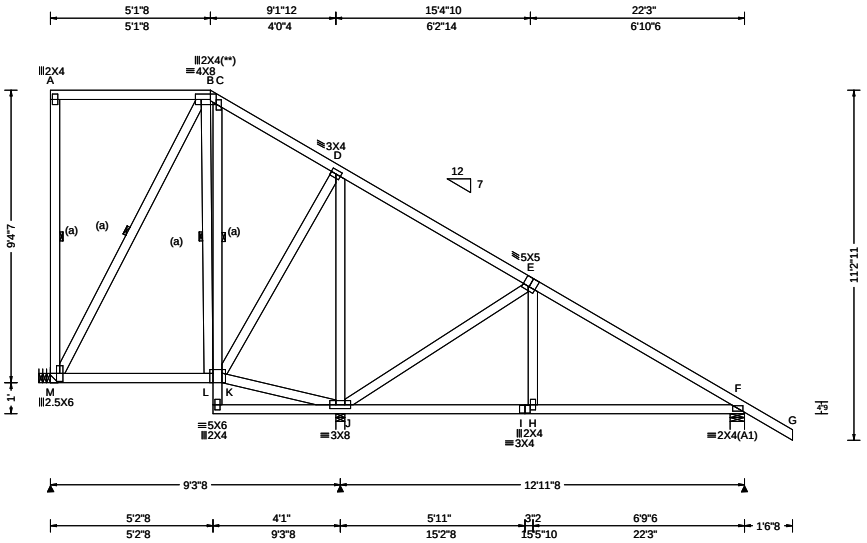
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17314 / HIPM FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** C08	Cust: R 215 JRef:1X8V2150010 T123 DrwNo: 259.21.1157.37232 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
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 7th Ed. 2020 Res. HVHZ
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): 0.007	H	999	240
VERT(CL): 0.015	H	999	180
HORZ(LL): 0.005	F	-	-
HORZ(TL): 0.011	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.494
Max BC CSI: 0.379
Max Web CSI: 0.675

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	354	/-	/-	/187	/107	/233
J	1017	/-	/-	/638	/-	/-
F	612	/-	/-	/394	/-	/-

Wind reactions based on MWFRS
M Brg Width = - Min Req = -
J Brg Width = 3.5 Min Req = 1.5
F Brg Width = 5.5 Min Req = 1.5
Bearings J & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
E - F	37	-575

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	412	0	H - F	415	0
I - H	412	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - J	19	-589	J - E	141	-561

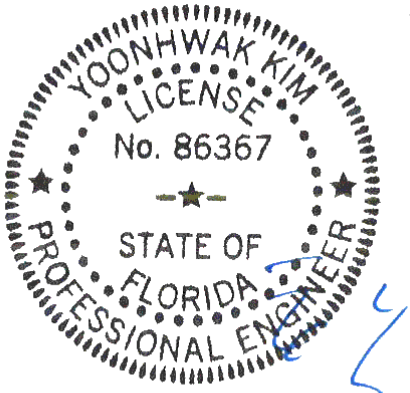
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

Plating Notes
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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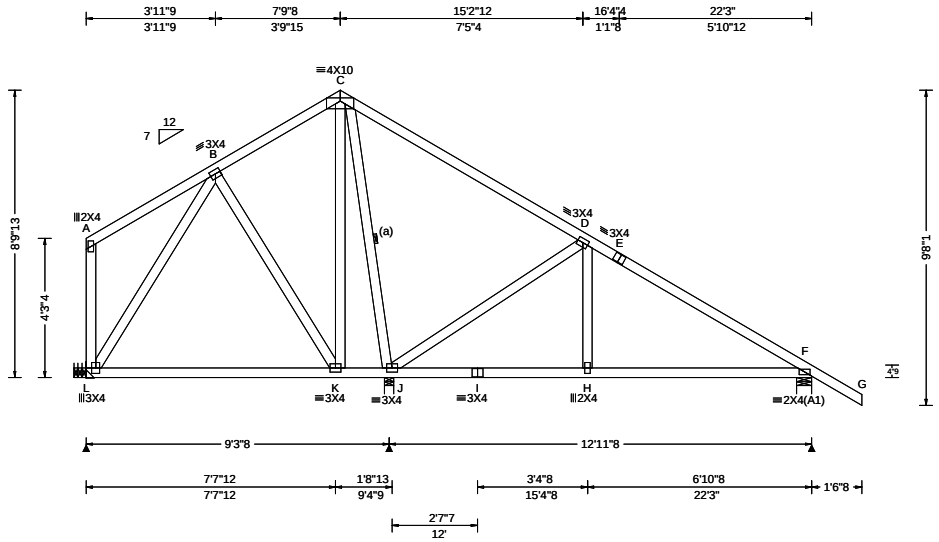
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17304 / SPEC FROM:	Ply: 1 Qty: 7	**Job Number:** 21-5856 Shelley **Truss Label:** C09	Cust: R 215 JRef:1X8V2150010 T142 DrwNo: 259.21.1157.36873 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
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 7th Ed. 2020 Res. HVHZ
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): 0.010	H	999	240
VERT(CL): 0.018	H	999	180
HORZ(LL): 0.006	F	-	-
HORZ(TL): 0.012	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.780
Max BC CSI: 0.535
Max Web CSI: 0.661

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	464	/-	/-	/194	/-	/199
J	1008	/-	/-	/540	/-	/-
F	631	/-	/-	/399	/-	/-

Wind reactions based on MWFRS
L Brg Width = - Min Req = -
J Brg Width = 3.5 Min Req = 1.5
F Brg Width = 5.5 Min Req = 1.5
Bearings J & 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.
D - E	86	- 451	E - F	80	- 628

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	466	0	H - F	469	0
I - H	466	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - C	385	- 11	J - D	181	- 641
C - J	16	- 674			

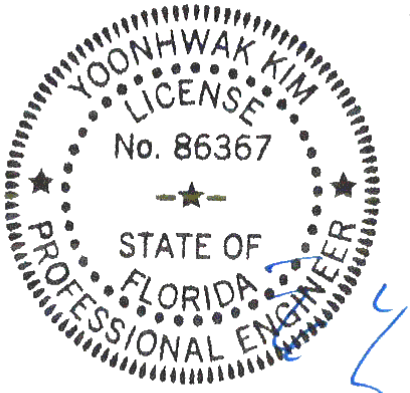
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

Hangers / Ties
(J) Hanger Support Required, by others

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.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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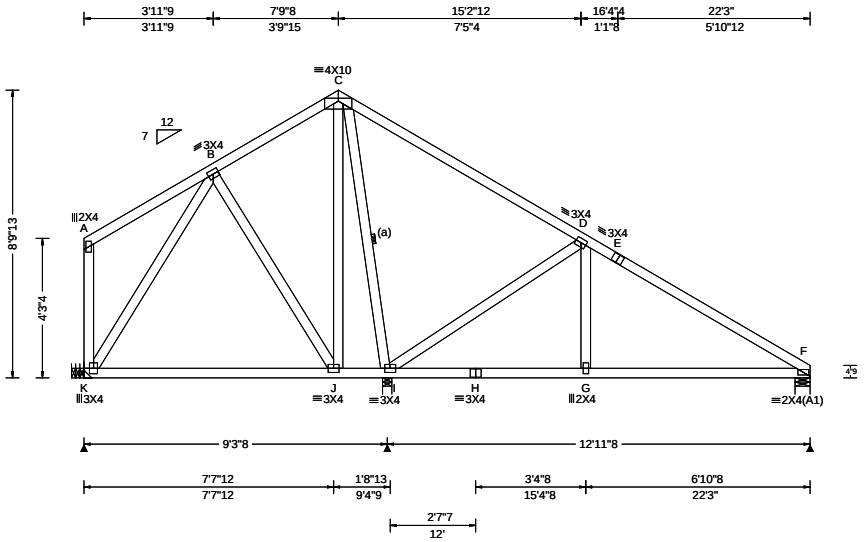
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17301 / SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** C10	Cust: R 215 JRef:1X8V2150010 T139 DrwNo: 259.21.1157.37516 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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): 0.008	G	999	240
VERT(CL): 0.017	G	999	180
HORZ(LL): 0.006	F	-	-
HORZ(TL): 0.012	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.789
Max BC CSI: 0.475
Max Web CSI: 0.681

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	393	/-	/-	/198	/-	/185
I	965	/-	/-	/527	/-	/-
F	522	/-	/-	/323	/-	/-

Wind reactions based on MWFRS
K Brg Width = - Min Req = -
I Brg Width = 3.5 Min Req = 1.5
F Brg Width = 5.5 Min Req = 1.5
Bearings I & 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.
D - E	93	-470	E - F	87	-647

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	486	-9	G - F	489	-8
H - G	486	-9			

Maximum Web Forces Per Ply (lbs)

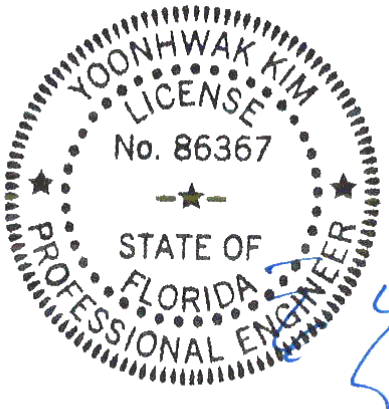
Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - I	9	-557	I - D	188	-660

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

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

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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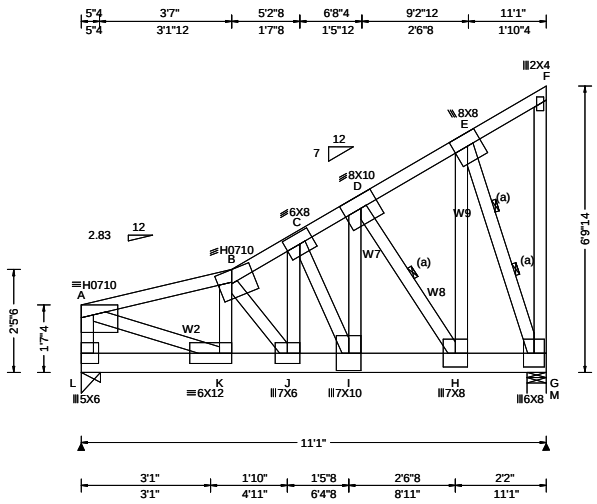
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396647 / SPEC FROM:	Ply: 2 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** C11	Cust: R 215 JRef:1X8V2150010 T63 DrwNo: 259.21.1157.38733 / YK 09/16/2021

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
HS, WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.114 J	999	240
VERT(CL):	0.229 J	581	180
HORZ(LL):	-0.063 F	-	-
HORZ(TL):	0.126 F	-	-

Creep Factor: 2.0
Max TC CSI: 0.919
Max BC CSI: 0.517
Max Web CSI: 0.925

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	9108	/-	/-	/-	/206	/-
M	8668	/-	/-	/-	/349	/-

Wind reactions based on MWFRS
L Brg Width = 5.5 Min Req = 3.8
M Brg Width = 5.5 Min Req = 3.6
Bearings L & M 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	173	- 6531	C - D	182	- 5496
B - C	220	- 6628	D - E	80	- 2006

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	6452	- 180	I - H	4408	- 146
J - I	5549	- 180	H - G	1512	- 57

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - L	116	- 3902	C - I	64	- 2048
A - K	6729	- 174	I - D	6088	- 167
K - B	110	- 775	D - H	158	- 5161
B - J	0	- 1336	H - E	5023	- 169
J - C	2429	- 70	E - G	165	- 4375

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2,W7,W9 2x4 SP M-31;
W8 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 2.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

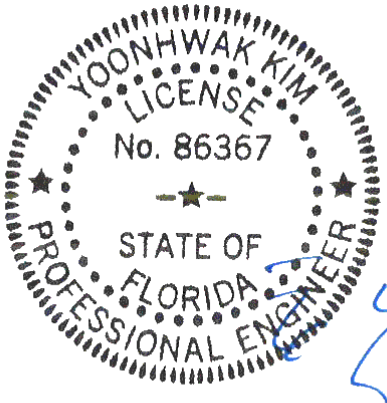
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 61 plf at 0.00 to 61 plf at 3.59
TC: From 63 plf at 3.59 to 63 plf at 11.08
BC: From 20 plf at 0.00 to 20 plf at 11.08
BC: 2224 lb Conc. Load at 1.52, 3.52
BC: 2065 lb Conc. Load at 5.06
BC: 2068 lb Conc. Load at 5.52
BC: 6777 lb Conc. Load at 6.58
BC: 511 lb Conc. Load at 7.06
BC: 498 lb Conc. Load at 9.06
BC: 496 lb Conc. Load at 10.40

Wind

Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

The maximum concentrated load is 6778#
The overall height of this truss excluding overhang is 6-9-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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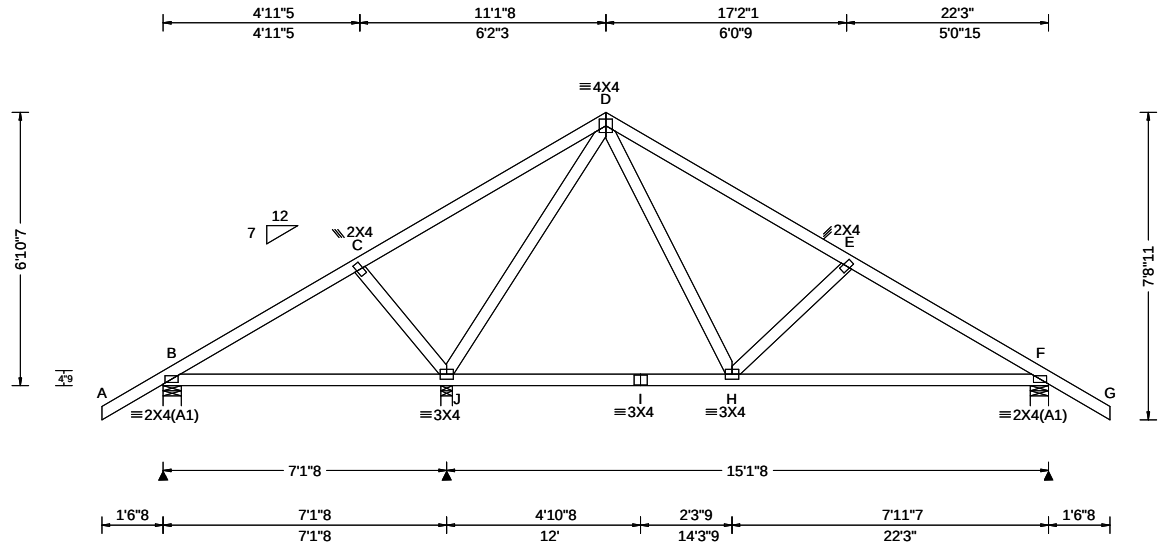
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17328 / COMN FROM:	Ply: 1 Qty: 2	**Job Number:** 21-5856 Shelley **Truss Label:** C12	Cust: R 215 JRef:1X8V2150010 T40 / DrwNo: 259.21.1157.36701 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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): 0.018	E	999	240
VERT(CL): 0.036	E	999	180
HORZ(LL): 0.008	D	-	-
HORZ(TL): 0.015	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.538
Max BC CSI: 0.504
Max Web CSI: 0.875

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	348	/-	/-	/215	/-	/181
J	1151	/-	/-	/572	/-	/-
F	726	/-	/-	/460	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
J Brg Width = 3.5 Min Req = 1.5
F Brg Width = 5.5 Min Req = 1.5
Bearings B, J, & 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.
D - E	101	-627	E - F	106	-864

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
H - F	694	-9

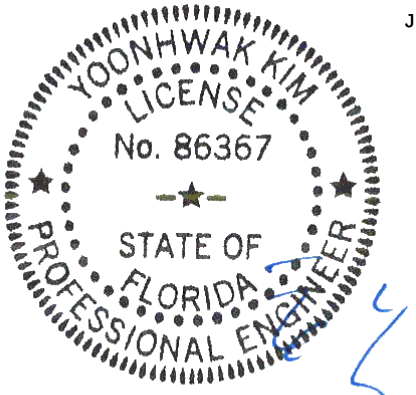
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - D	124	-760	D - H	522	-46

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

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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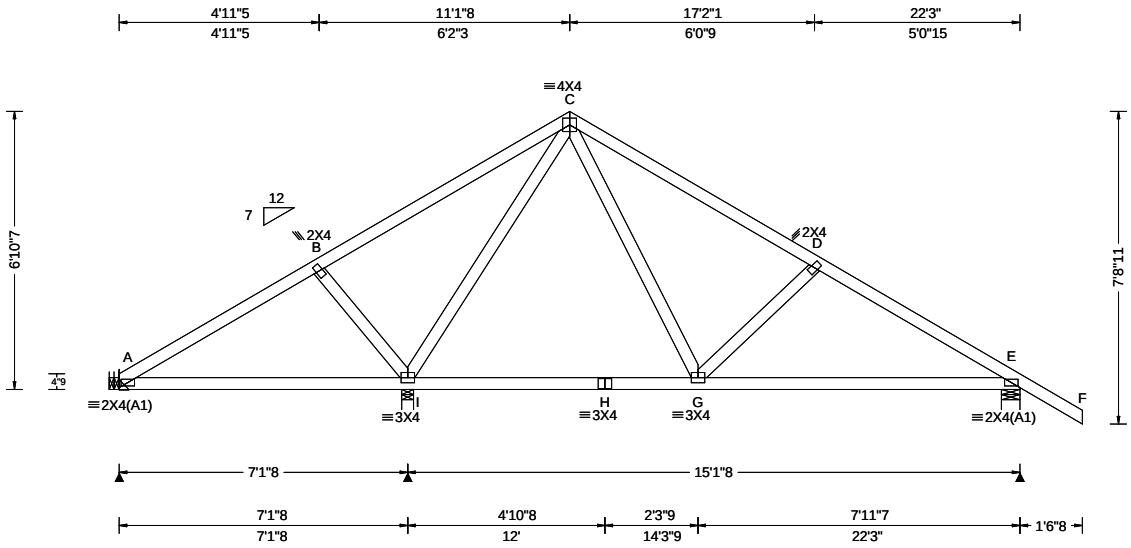
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17452 / COMN FROM:	Ply: 1 Qty: 4	**Job Number:** 21-5856 Shelley **Truss Label:** C13	Cust: R 215 JRef:1X8V2150010 T31 / DrwNo: 259.21.1157.36157 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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): 0.018	D	999	240
VERT(CL): 0.036	D	999	180
HORZ(LL): 0.008	C	-	-
HORZ(TL): 0.016	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.601
Max BC CSI: 0.503
Max Web CSI: 0.828

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	249	/-	/-	/141	/-	/167
I	1136	/-	/-	/560	/-	/-
E	730	/-	/-	/460	/-	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
I Brg Width = 3.5 Min Req = 1.5
E Brg Width = 5.5 Min Req = 1.5
Bearings I & 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.
C - D	113	- 635	D - E	120	- 871

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
G - E	700	- 20

Maximum Web Forces Per Ply (lbs)

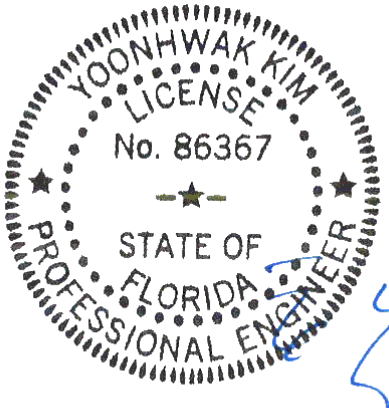
Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - I	176	- 382	C - G	521	- 44
I - C	93	- 720			

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

Hangers / Ties
(J) Hanger Support Required, by others

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.



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09/16/2021

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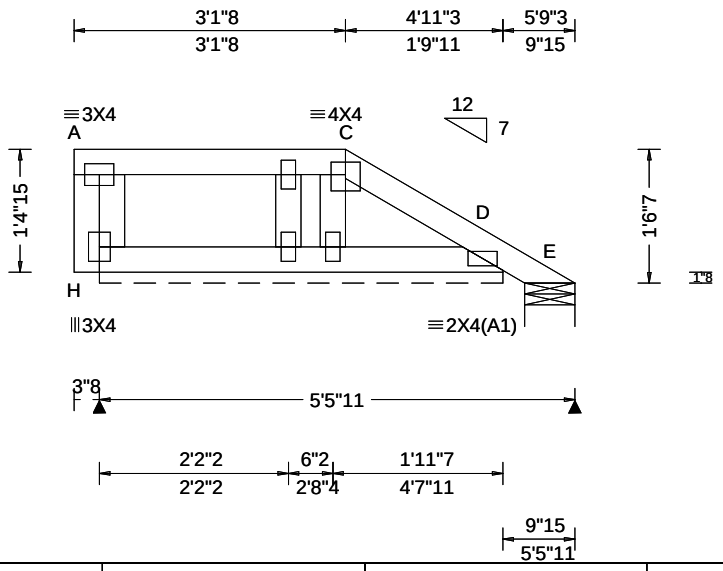
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17408 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** CPC01	Cust: R 215 JRef:1X8V2150010 T84 / DrwNo: 259.21.1157.35937 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 20.77 ft
TCDL: 5.0 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: > 2h
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 7th Ed. 2020 Res. HVHZ
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):	0.000 D	999	240
VERT(CL):	0.000 D	999	180
HORZ(LL):	-0.000 D	-	-
HORZ(TL):	0.000 D	-	-

Creep Factor: 2.0
Max TC CSI: 0.084
Max BC CSI: 0.019
Max Web CSI: 0.069

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H*	77	/-	/-	/51	/21	/7
E	8	/-	/-	/2	/1	/-

Wind reactions based on MWFRS
H Brg Width = 55.7 Min Req = -
E Brg Width = 6.9 Min Req = 1.5
Bearings H & E are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind

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

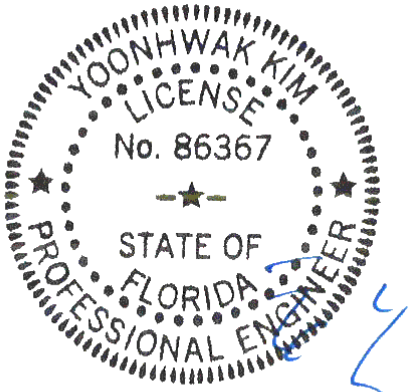
Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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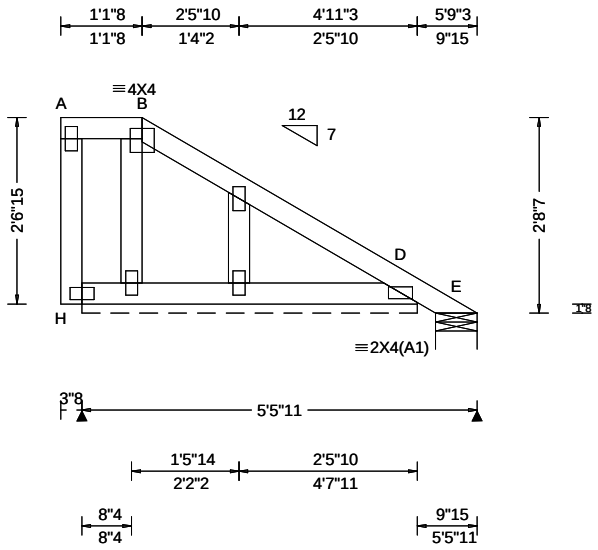
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17411 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** CPC02	Cust: R 215 JRef:1X8V2150010 T58 / DrwNo: 259.21.1157.37873 / YK 09/16/2021



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: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.000 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 D - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 D - -
NCBCLL: 10.00	Mean Height: 21.35 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.039
Load Duration: 1.25	BCDL: 2.0 psf	TPI Std: 2014	Max BC CSI: 0.020
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h	Rep Fac: Yes	Max Web CSI: 0.032
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H*	78	/-	/-	/59	/16	/13
E	0	/0	/-	/3	/6	/-

Wind reactions based on MWFRS
H Brg Width = 55.7 Min Req = -
E Brg Width = 6.9 Min Req = 1.5
Bearings H & E are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind

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

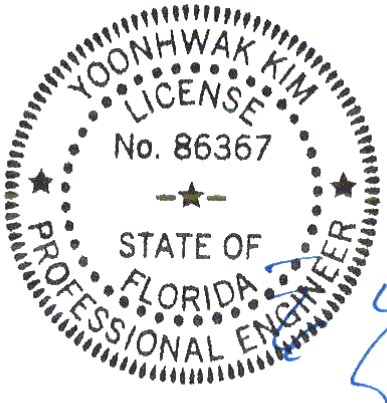
Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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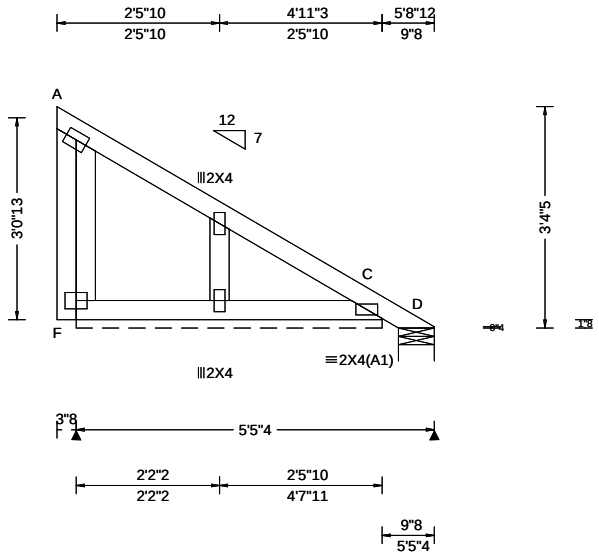
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17414 / GABL FROM:	Ply: 1 Qty: 3	**Job Number:** 21-5856 Shelley **Truss Label:** CPC03	Cust: R 215 JRef:1X8V2150010 T132 DrwNo: 259.21.1157.36717 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 21.69 ft
TCDL: 5.0 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: > 2h
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 7th Ed. 2020 Res. HVHZ
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): 0.000	C	999	240
VERT(CL): 0.001	C	999	180
HORZ(LL): 0.000	A	-	-
HORZ(TL): 0.000	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.073
Max BC CSI: 0.024
Max Web CSI: 0.058

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F*	77	/-	/-	/62	/12	/16
D	5	/-	/-	/2	/2	/-

Wind reactions based on MWFRS
F Brg Width = 55.7 Min Req = -
D Brg Width = 6.5 Min Req = 1.5
Bearings F & D are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 3X4 except as noted.

Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind

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

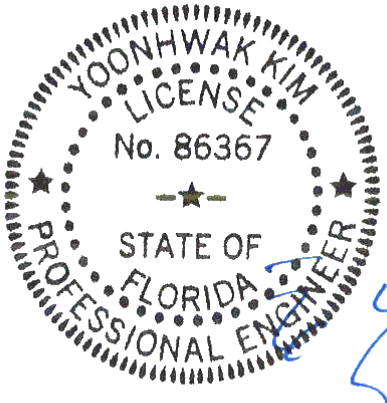
Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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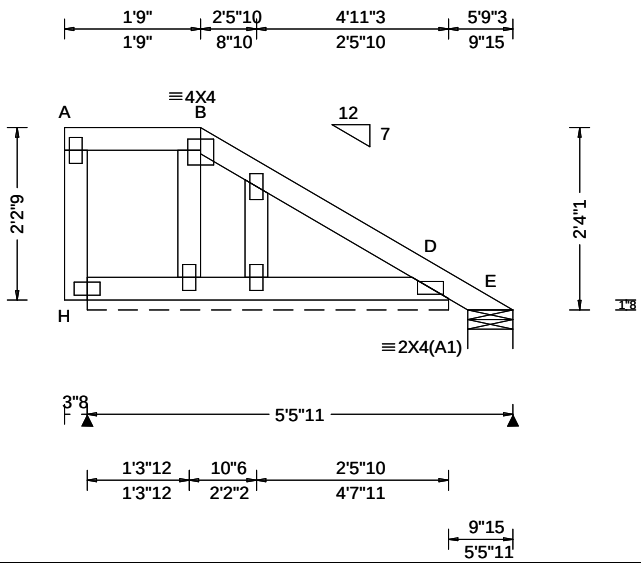
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17417 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** CPC04	Cust: R 215 JRef:1X8V2150010 T131 DrwNo: 259.21.1157.37390 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.91 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
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 7th Ed. 2020 Res. HVHZ
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):	0.000 D	999	240
VERT(CL):	0.001 D	999	180
HORZ(LL):	-0.000 D	-	-
HORZ(TL):	0.001 D	-	-

Creep Factor: 2.0
Max TC CSI: 0.039
Max BC CSI: 0.021
Max Web CSI: 0.019

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H*	79	/-	/-	/58	/13	/10
E	1	/-	/-	/5	/1	/-

Wind reactions based on MWFRS
H Brg Width = 55.7 Min Req = -
E Brg Width = 6.9 Min Req = 1.5
Bearings H & E are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind

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

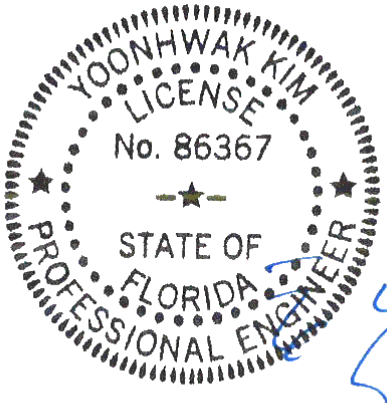
Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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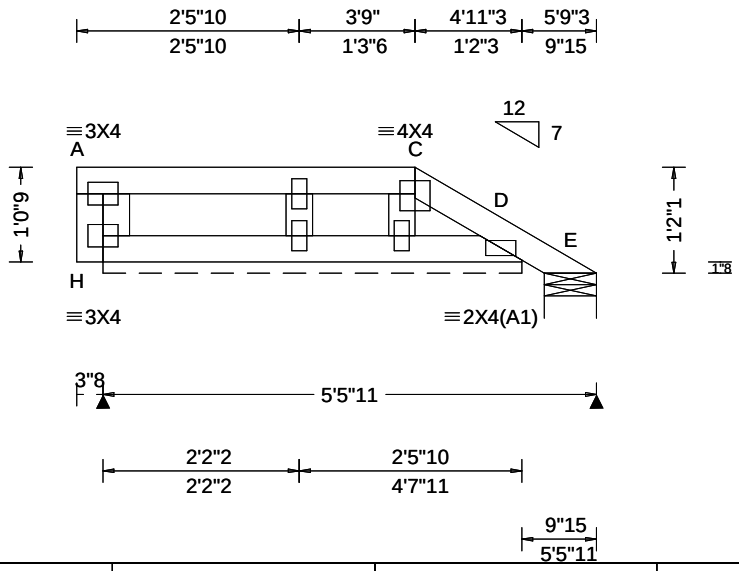
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17423 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** CPC05	Cust: R 215 JRef:1X8V2150010 T53 / DrwNo: 259.21.1157.35312 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.33 ft
TCDL: 5.0 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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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): 0.000	B	999	240
VERT(CL): 0.000	B	999	180
HORZ(LL): -0.000	D	-	-
HORZ(TL): 0.000	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.068
Max BC CSI: 0.017
Max Web CSI: 0.029

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H*	75	/-	/-	/49	/16	/5
E	19	/-	/-	/16	/3	/-

Wind reactions based on MWFRS
H Brg Width = 55.7 Min Req = -
E Brg Width = 6.9 Min Req = 1.5
Bearings H & E are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind

Wind loads based on MWFRS.

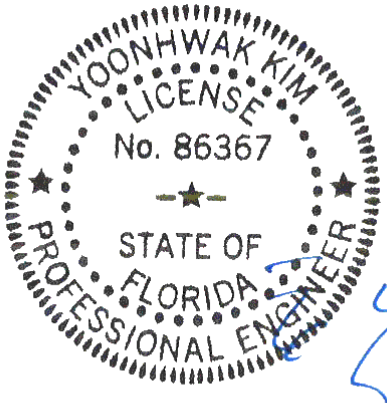
Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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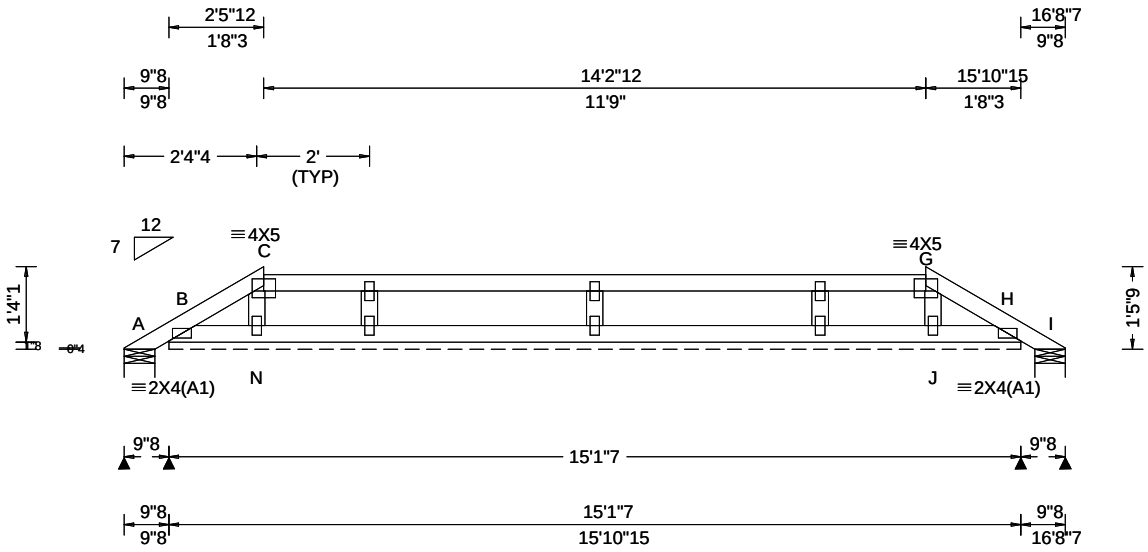
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17359 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** CPD01	Cust: R 215 JRef:1X8V2150010 T77 / DrwNo: 259.21.1157.36779 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 20.74 ft
TCDL: 5.0 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.40 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 7th Ed. 2020 Res. HVHZ
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): 0.000	E	999	240
VERT(CL): 0.000	E	999	180
HORZ(LL): 0.000	H	-	-
HORZ(TL): 0.000	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.181
Max BC CSI: 0.048
Max Web CSI: 0.051

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	12	/-	/-	/23	/13	/30
B*	70	/-	/-	/45	/13	/-
I	12	/-	/-	/12	/1	/-

Wind reactions based on MWFRS
A Brg Width = 6.5 Min Req = 1.5
B Brg Width = 181 Min Req = -
I Brg Width = 6.5 Min Req = 1.5
Bearings A, B, & I are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind

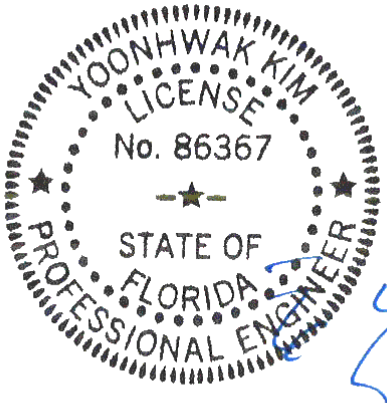
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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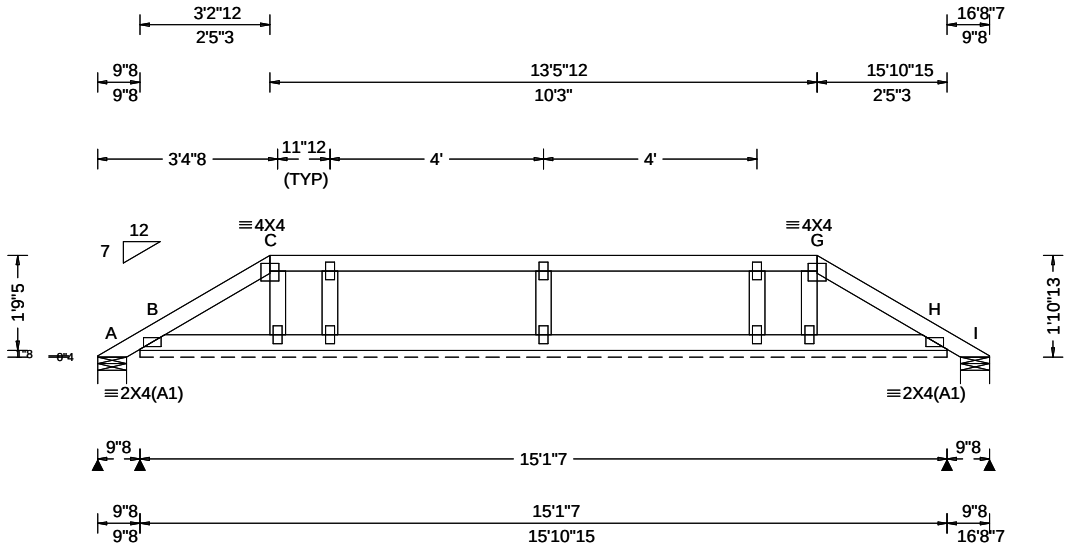
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17354 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** CPD02	Cust: R 215 JRef:1X8V2150010 T110 DrwNo: 259.21.1157.36655 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 20.96 ft
TCDL: 5.0 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.40 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 7th Ed. 2020 Res. HVHZ
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): 0.001	H	999	240
VERT(CL): 0.001	H	999	180
HORZ(LL): 0.000	B	-	-
HORZ(TL): 0.001	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.182
Max BC CSI: 0.049
Max Web CSI: 0.052

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	-	/-6	/-	/25	/25	/41
B*	73	/-	/-	/47	/11	/-
I	-	/-6	/-	/4	/4	/-

Wind reactions based on MWFRS
A Brg Width = 6.5 Min Req = 1.5
B Brg Width = 181 Min Req = -
I Brg Width = 6.5 Min Req = 1.5
Bearings A, B, & I are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind

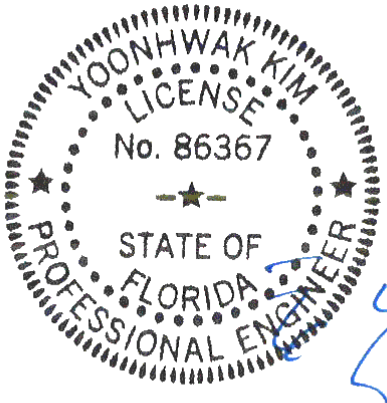
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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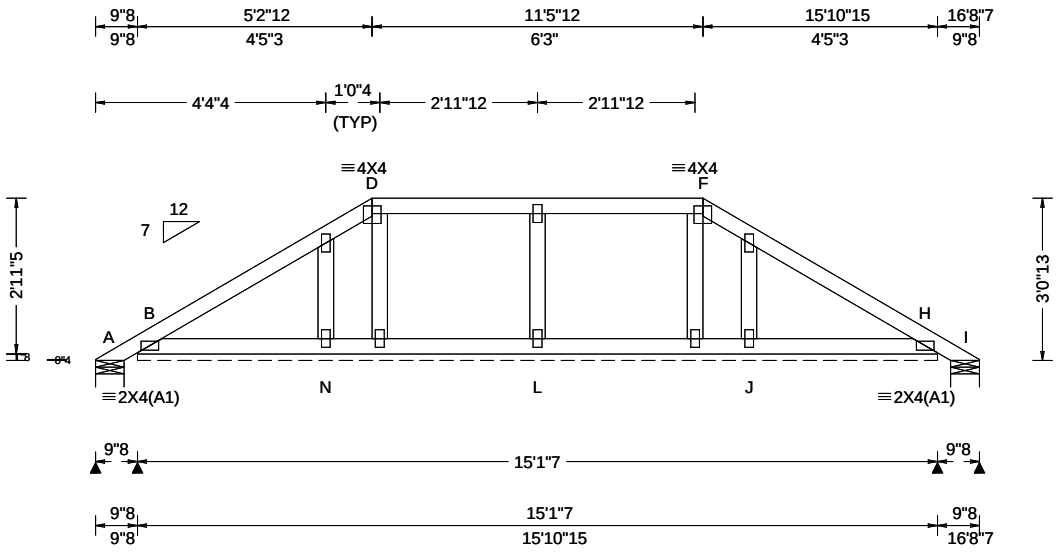
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17458 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** CPD03	Cust: R 215 JRef:1X8V2150010 T105 DrwNo: 259.21.1157.36404 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 21.55 ft
TCDL: 5.0 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.40 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 7th Ed. 2020 Res. HVHZ
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): 0.001	B	999	240
VERT(CL): 0.002	B	999	180
HORZ(LL): 0.001	H	-	-
HORZ(TL): 0.001	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.139
Max BC CSI: 0.040
Max Web CSI: 0.075

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	-	/-34	/-	/46	/67	/69
B*	76	/-	/-	/49	/14	/-
I	-	/-34	/-	/12	/33	/-
N		/-100				
L		/-237				
J		/-101				

Wind reactions based on MWFRS
A Brg Width = 6.5 Min Req = 1.5
B Brg Width = 181 Min Req = -
I Brg Width = 6.5 Min Req = 1.5
Bearings A, B, & I are a rigid surface.
Members not listed have forces less than 375#

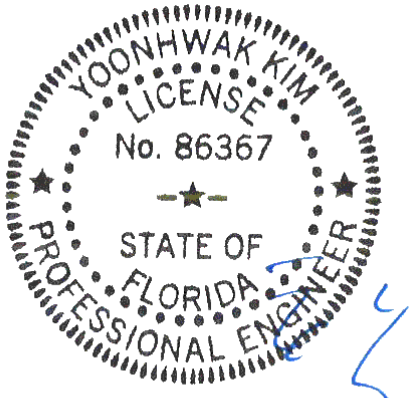
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Plating Notes
All plates are 2X4 except as noted.

Loading
Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes
See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.
Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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ALPINE
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6750 Forum Drive
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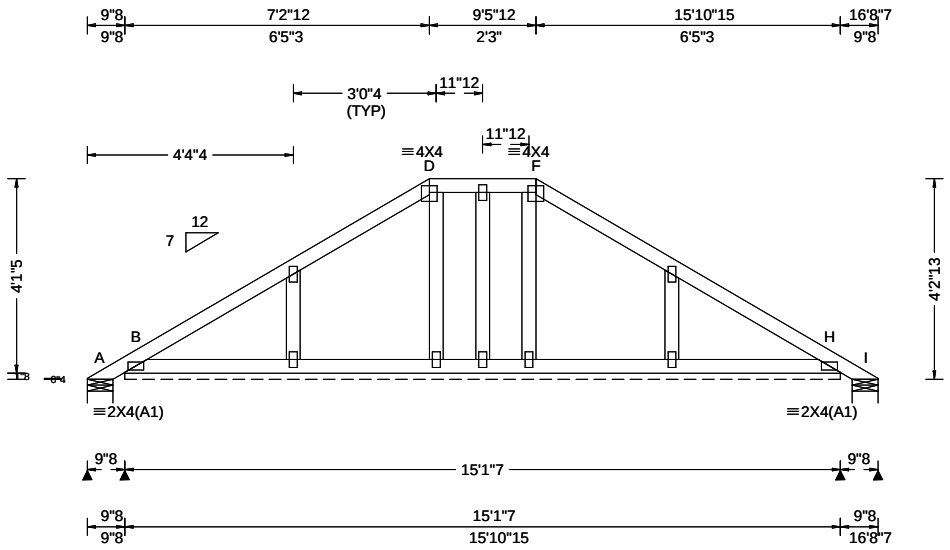
Orlando FL, 32821

SEQN: 17348 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** CPD04	Cust: R 215 JRef:1X8V2150010 T78 / DrwNo: 259.21.1157.36420 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 22.13 ft
TCDL: 5.0 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.40 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 7th Ed. 2020 Res. HVHZ
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): 0.001	H	999	240
VERT(CL): 0.001	H	999	180
HORZ(LL): 0.001	G	-	-
HORZ(TL): 0.001	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.122
Max BC CSI: 0.048
Max Web CSI: 0.044

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	-	/-24	/-	/59	/70	/97
B*	75	/-	/-	/52	/6	/-
I	-	/-24	/-	/11	/22	/-

Wind reactions based on MWFRS
A Brg Width = 6.5 Min Req = 1.5
B Brg Width = 181 Min Req = -
I Brg Width = 6.5 Min Req = 1.5
Bearings A, B, & I are a rigid surface.
Members not listed have forces less than 375#

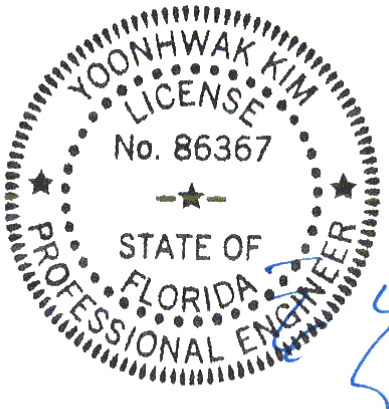
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Plating Notes
All plates are 2X4 except as noted.

Loading
Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes
See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.
Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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ALPINE
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6750 Forum Drive
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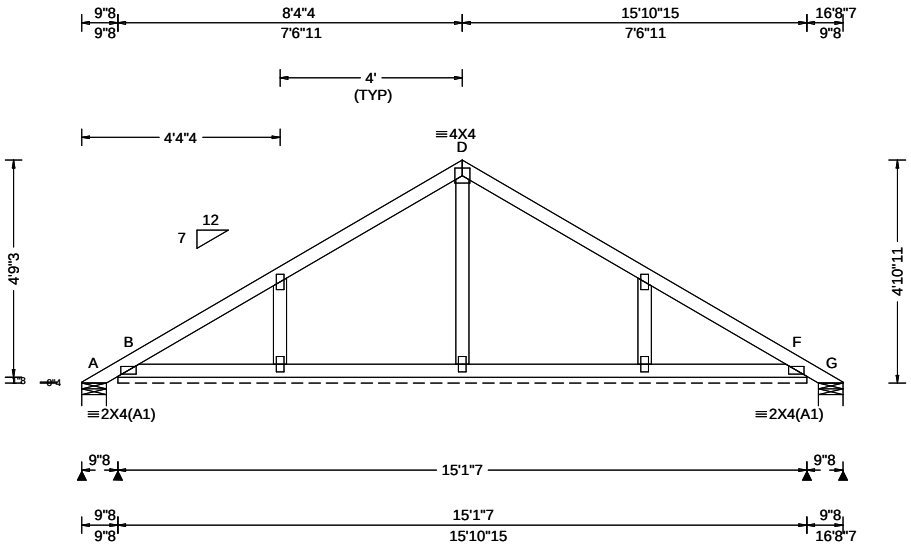
SEQN: 10062 / GABL FROM:	Ply: 1 Qty: 7	**Job Number:** 21-5856 Shelley **Truss Label:** CPD05	Cust: R 215 JRef:1X8V2150010 T26 / DrwNo: 259.21.1157.35779 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 22.46 ft
TCDL: 5.0 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.40 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 7th Ed. 2020 Res. HVHZ
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): 0.001	D	999	240
VERT(CL): 0.001	D	999	180
HORZ(LL): 0.001	E	-	-
HORZ(TL): 0.002	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.204
Max BC CSI: 0.056
Max Web CSI: 0.069

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	-	/-9	/-	/64	/68	/112
B*	73	/-	/-	/52	/5	/-
G	-	/-9	/-	/8	/12	/-

Wind reactions based on MWFRS
A Brg Width = 6.5 Min Req = 1.5
B Brg Width = 181 Min Req = -
G Brg Width = 6.5 Min Req = 1.5
Bearings A, B, & G are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind

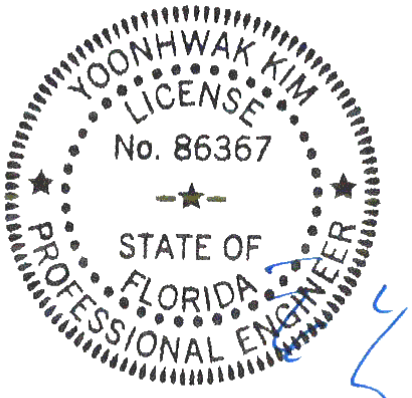
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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ALPINE
AN ITW COMPANY
6750 Forum Drive
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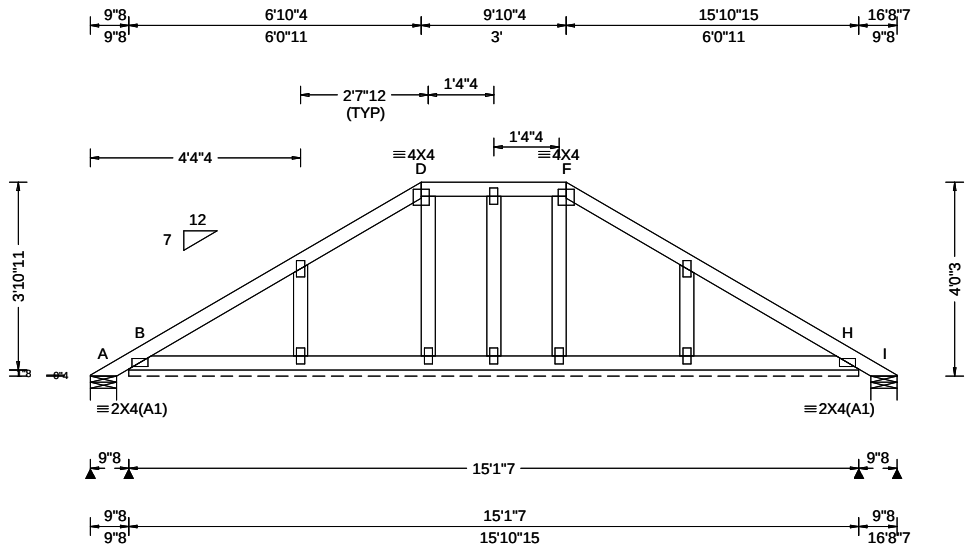
Orlando FL, 32821

SEQN: 10064 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** CPD06	Cust: R 215 JRef:1X8V2150010 T12 / DrwNo: 259.21.1157.37467 / YK 09/16/2021



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 22.02 ft
TCDL: 5.0 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.40 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 7th Ed. 2020 Res. HVHZ
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): 0.001	H	999	240
VERT(CL): 0.001	H	999	180
HORZ(LL): 0.001	H	-	-
HORZ(TL): 0.001	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.107
Max BC CSI: 0.045
Max Web CSI: 0.041

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	-	/-27	/-	/58	/71	/93
B*	76	/-	/-	/52	/6	/-
I	-	/-27	/-	/12	/25	/-

Wind reactions based on MWFRS
A Brg Width = 6.5 Min Req = 1.5
B Brg Width = 181 Min Req = -
I Brg Width = 6.5 Min Req = 1.5
Bearings A, B, & I are a rigid surface.
Members not listed have forces less than 375#

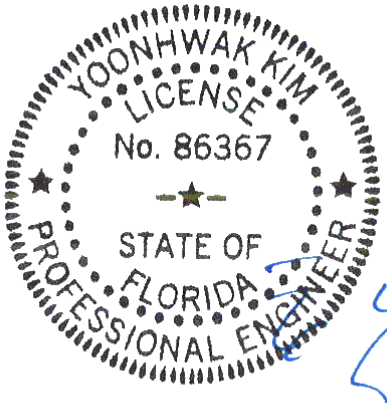
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Plating Notes
All plates are 2X4 except as noted.

Loading
Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes
See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.
Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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ALPINE
AN ITW COMPANY
6750 Forum Drive
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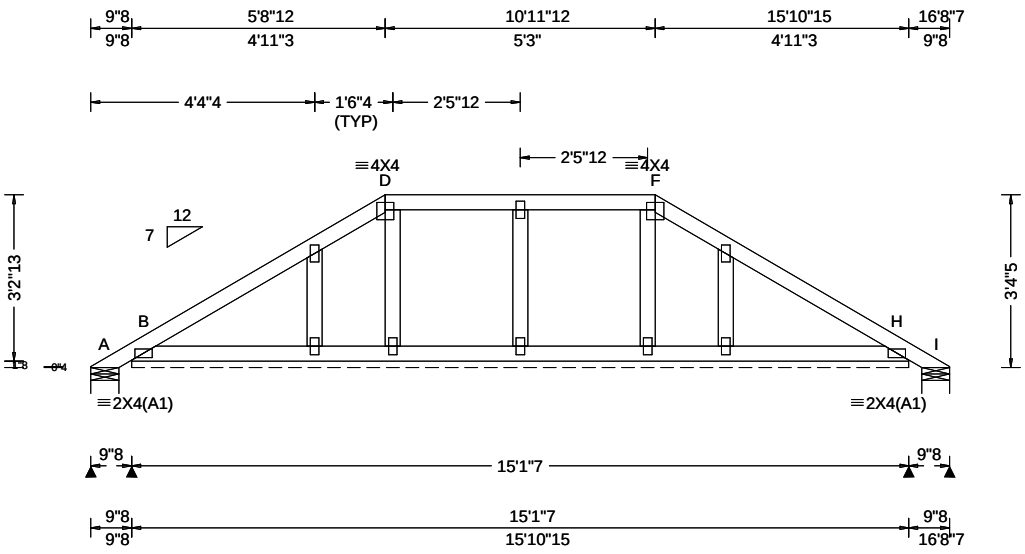
Orlando FL, 32821

SEQN: 10066 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** CPD07	Cust: R 215 JRef:1X8V2150010 T29 / DrwNo: 259.21.1157.36187 / YK 09/16/2021



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: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.001 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 H 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 H - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 H - -
NCBCLL: 0.00	Mean Height: 21.69 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.095
Load Duration: 1.25	BCDL: 2.0 psf	TPI Std: 2014	Max BC CSI: 0.040
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.048
	C&C Dist a: 3.40 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	-	/-32	/-	/51	/66	/77
B*	76	/-	/-	/51	/6	/-
I	-	/-32	/-	/12	/28	/-

Wind reactions based on MWFRS
A Brg Width = 6.5 Min Req = 1.5
B Brg Width = 181 Min Req = -
I Brg Width = 6.5 Min Req = 1.5
Bearings A, B, & I are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind

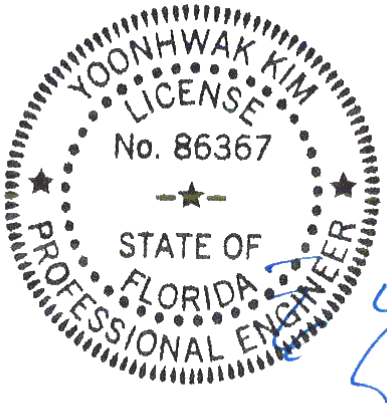
Wind loads based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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ALPINE
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6750 Forum Drive
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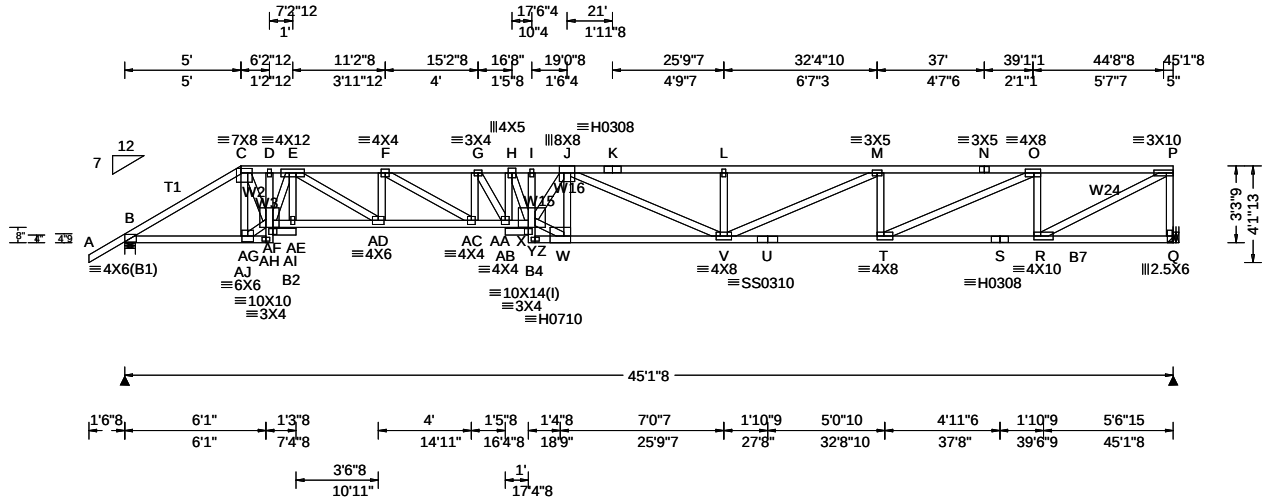
Orlando FL, 32821

SEQN: 396635 / HIPM FROM: Page 1 of 2	Ply: 2 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** D01	Cust: R 215 JRef:1X8V2150010 T28 / DrwNo: 259.21.1157.38264 / YK 09/16/2021

2 Complete Trusses Required



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: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.842 AB 640 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 1.699 AB 317 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.171 C - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.345 C - -
NCBCLL: 0.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.697
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.896
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: No	Max Web CSI: 0.903
	C&C Dist a: 4.51 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: Any	Plate Type(s):	VIEW Ver: 21.01.01A.0521.20
	GCpi: 0.18	WAVE, HS, 18SS	
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	3459	/-	/-	/-	/535	/-
Q	3519	/-	/-	/-	/555	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
Q Brg Width = - 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.	Chords	Tens.	Comp.
B - C	459	- 2957	I - J	1258	- 8261
C - D	632	- 4089	J - K	933	- 6356
D - E	640	- 4143	K - L	933	- 6356
E - F	924	- 5904	L - M	933	- 6356
F - G	1104	- 7140	M - N	785	- 5194
G - H	1148	- 7476	N - O	785	- 5194
H - I	1269	- 8335	O - P	450	- 2917

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AJ	2499	- 383	W - V	6277	- 945
AG-AF	4437	- 694	V - U	5273	- 803
AF-AD	4384	- 685	U - T	5273	- 803
AD-AC	6006	- 942	T - S	3047	- 478
AC-AA	7218	- 1116	S - R	3047	- 478
AA- X	7802	- 1196			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C -AJ	330	- 1836	H - X	1727	- 242
C -AG	3575	- 568	X - W	6970	- 1039
AJ-AG	2956	- 437	X - J	3724	- 591
AG- E	107	- 577	W - J	589	- 3511
E -AF	106	- 634	V - M	1190	- 142
E -AD	1800	- 284	M - T	185	- 815
AD- F	143	- 828	T - O	2369	- 339
F -AC	1340	- 192	O - R	281	- 1349
AC- G	99	- 631	R - P	3281	- 507
G -AA	579	- 71	P - Q	294	- 1675
AA- H	258	- 1783			

Lumber

Top chord: 2x4 SP M-31; T1 2x4 SP #2;
Bot chord: 2x4 SP M-31; B2,B4,B7 2x4 SP #2;
Webs: 2x4 SP #3; W2,W3,W16,W24 2x4 SP #2;
W15 2x4 SP M-31;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.54 to 63 plf at 5.00
TC: From 32 plf at 5.00 to 32 plf at 45.12
BC: From 5 plf at -1.54 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 5.03
BC: From 10 plf at 5.03 to 10 plf at 45.12
TC: 129 lb Conc. Load at 5.06,31.06,33.06,35.06 37.06,39.06,41.06,43.06,44.56
TC: 76 lb Conc. Load at 7.06,17.06
TC: 48 lb Conc. Load at 9.06,11.06,13.06,15.06
TC: 140 lb Conc. Load at 19.06,21.06,23.06,25.06 27.06,29.06
BC: 388 lb Conc. Load at 5.03
BC: 115 lb Conc. Load at 7.06,17.06
BC: 133 lb Conc. Load at 9.06,11.06,13.06,15.06
BC: 94 lb Conc. Load at 19.06,21.06,23.06,25.06 27.06,29.06
BC: 90 lb Conc. Load at 31.06,33.06,35.06,37.06 39.06,41.06,43.06,44.56

Plating Notes

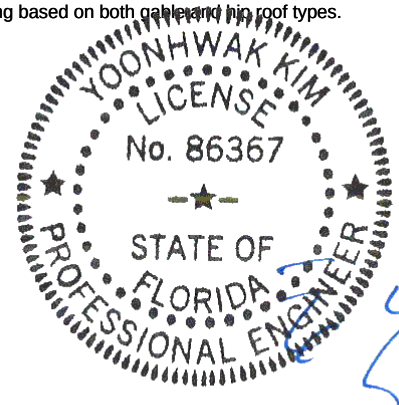
All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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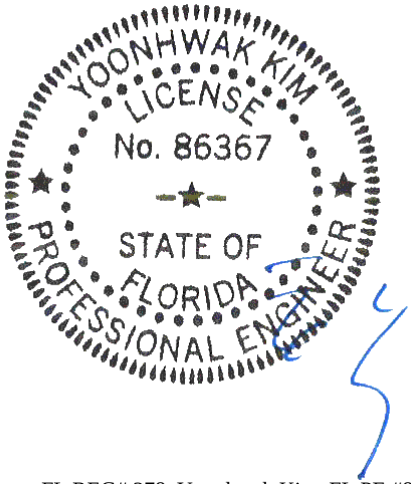
SEQN: 396635 / HIPM FROM: Page 2 of 2	Ply: 2 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** D01	Cust: R 215 JRef:1X8V2150010 T28 / DrwNo: 259.21.1157.38264 / YK 09/16/2021

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.

The overall height of this truss excluding overhang is 3-3-9.



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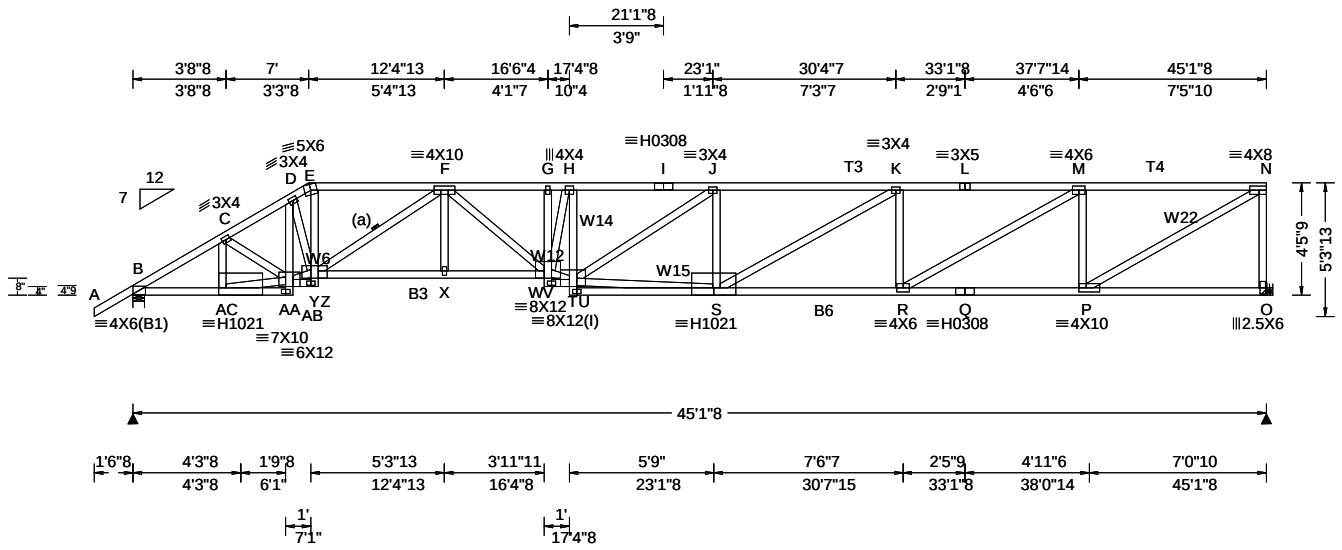
SEQN: 9751 / HIPM FROM: Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** D02	Cust: R 215 JRef:1X8V2150010 T96 DrwNo: 259.21.1157.37187 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.51 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 7th Ed. 2020 Res. HVHZ
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): 0.477	H	999	240
VERT(CL): 0.986	H	547	180
HORZ(LL): 0.130	E	-	-
HORZ(TL): 0.269	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.710
Max BC CSI: 0.934
Max Web CSI: 0.969

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1989	/-	/-	/1087	/241	/145
O	1868	/-	/-	/922	/236	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 2.3
O Brg Width = - 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.	Chords	Tens.	Comp.
B - C	741	- 3164	H - I	1391	- 5378
C - D	928	- 3557	I - J	1391	- 5378
D - E	1001	- 3696	J - K	1249	- 5086
E - F	922	- 3339	K - L	1054	- 4451
F - G	1518	- 5815	L - M	1054	- 4451
G - H	1512	- 5791	M - N	710	- 2785

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AC	2651	- 712	S - R	4506	- 1075
Y - X	4783	- 1297	R - Q	2887	- 744
X - V	4784	- 1297	Q - P	2887	- 744
U - S	444	- 103			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C -AC	212	- 580	V - T	5580	- 1439
C -AA	488	- 160	H - T	476	- 1529
AC-AA	2511	- 673	T - S	4681	- 1161
AA- D	204	- 642	J - S	277	- 613
AA- Y	3123	- 849	S - K	672	- 202
D - Y	573	- 213	K - R	299	- 789
E - Y	1559	- 339	R - M	1821	- 440
Y - F	457	- 1710	M - P	495	- 1463
F - V	1333	- 313	P - N	3222	- 821
V - H	1257	- 370	N - O	536	- 1809

Lumber

Top chord: 2x4 SP #2; T3,T4 2x4 SP M-31;
Bot chord: 2x4 SP #2; B3,B6 2x4 SP M-31;
Webs: 2x4 SP #3; W6,W14,W22 2x4 SP #2; W12, W15 2x4 SP M-31;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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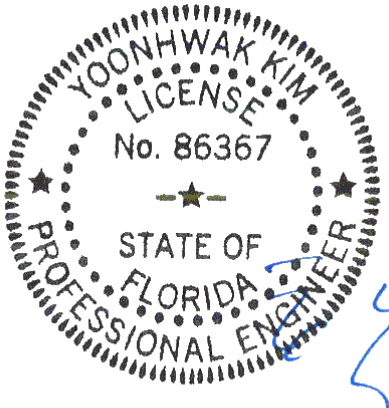

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09/16/2021

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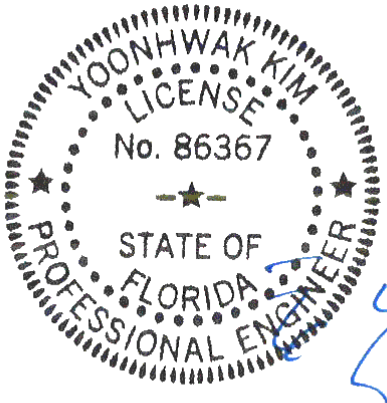
Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=44'10"8 uses the following support conditions: 44'10"8
Bearing O (44'10"8, 10') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.



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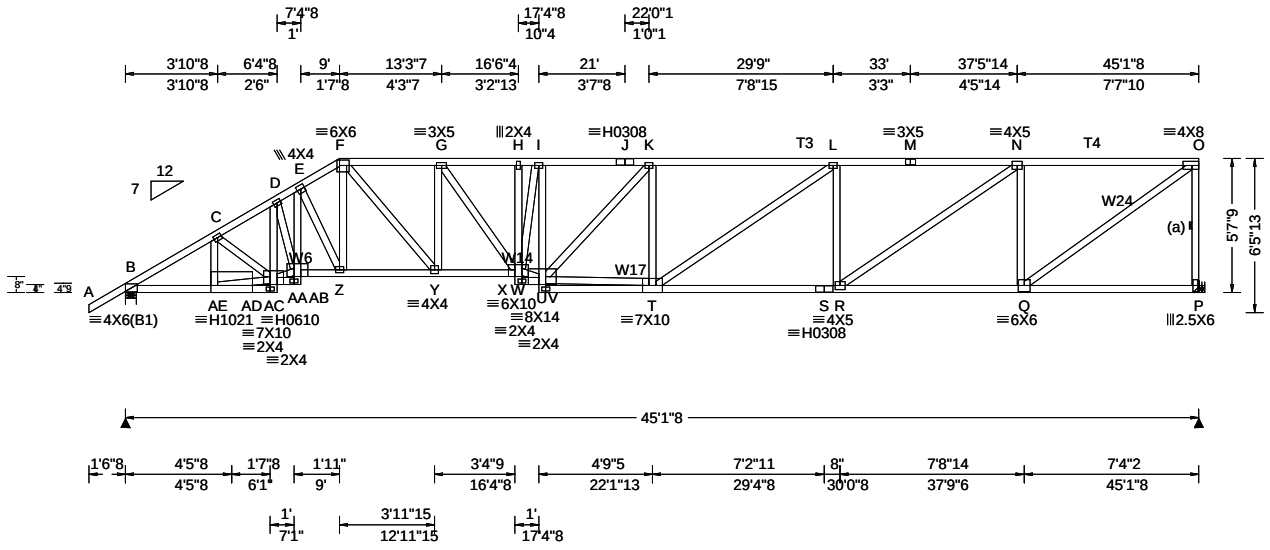
SEQN: 9757 / HIPM FROM: Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** D03	Cust: R 215 JRef:1X8V2150010 T107 DrwNo: 259.21.1157.36217 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.51 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 7th Ed. 2020 Res. HVHZ
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): 0.343	I	999	240
VERT(CL): 0.708	I	762	180
HORZ(LL): 0.115	Q	-	-
HORZ(TL): 0.237	Q	-	-

Creep Factor: 2.0
Max TC CSI: 0.717
Max BC CSI: 0.973
Max Web CSI: 0.992

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	1989	/-	/-	/1110	/235	/179
P	1868	/-	/-	/929	/239	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 2.3
P Brg Width = - 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.	Chords	Tens.	Comp.
B - C	705	- 3167	I - J	1089	- 4085
C - D	882	- 3530	J - K	1089	- 4085
D - E	987	- 3758	K - L	1010	- 3977
E - F	889	- 3314	L - M	864	- 3565
F - G	1008	- 3671	M - N	864	- 3565
G - H	1159	- 4307	N - O	566	- 2223
H - I	1155	- 4293			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AE	2653	- 715	T - S	3606	- 881
AA- Z	3233	- 890	S - R	3606	- 881
Z - Y	2857	- 789	R - Q	2303	- 593
Y - W	3742	- 1032			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C -AE	214	- 589	W - I	847	- 269
C -AC	482	- 150	W - U	4208	- 1117
AE-AC	2515	- 677	I - U	353	- 1027
AC- D	239	- 763	U - T	3714	- 947
AC-AA	3134	- 860	K - T	265	- 526
D -AA	507	- 149	T - L	454	- 158
AA- E	969	- 253	L - R	305	- 750
E - Z	223	- 843	R - N	1554	- 388
F - Z	479	- 85	N - Q	497	- 1452
F - Y	1250	- 350	Q - O	2749	- 700
Y - G	358	- 1055	O - P	537	- 1809
G - W	979	- 230			

Lumber

Top chord: 2x4 SP #2; T3,T4 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W6,W14,W17,W24 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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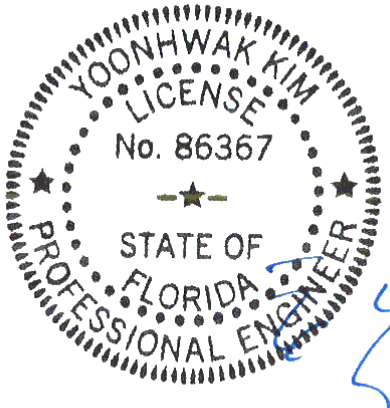

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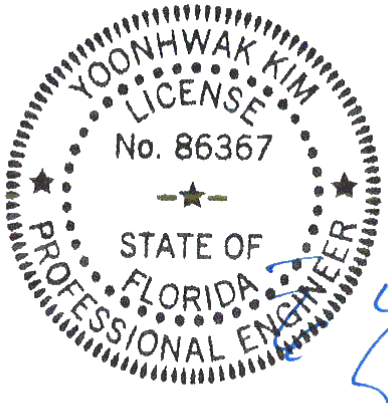
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=44'10"8 uses the following support conditions: 44'10"8
Bearing P (44'10"8, 10') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.



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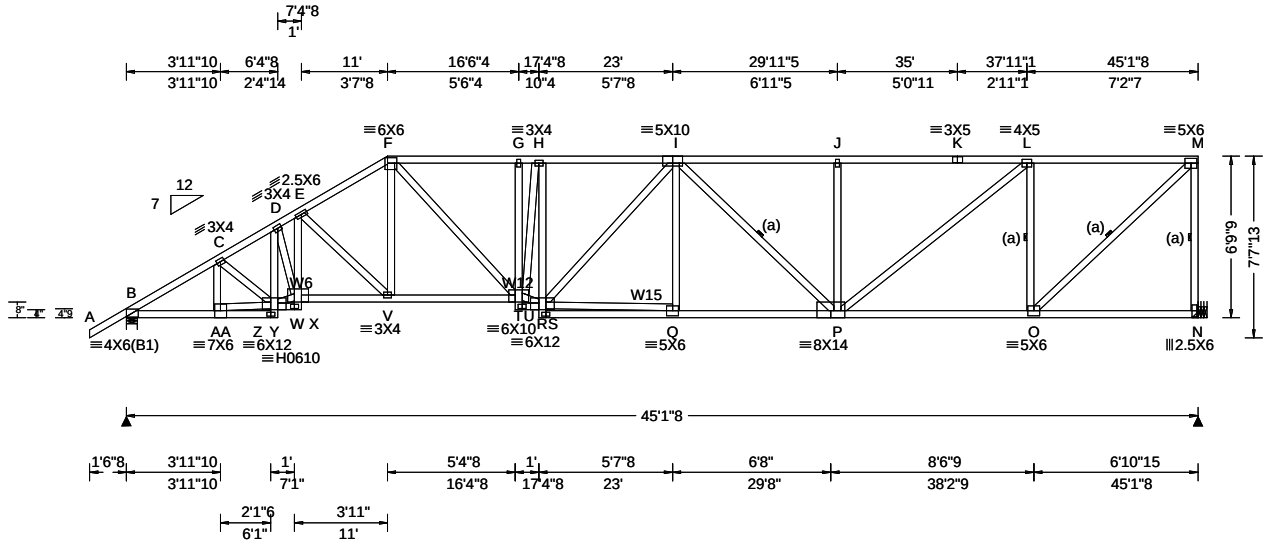
Suite 305
Orlando FL, 32821

SEQN: 10258 / HIPM FROM: Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** D04	Cust: R 215 JRef:1X8V2150010 T103 DrwNo: 259.21.1157.37592 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.51 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 7th Ed. 2020 Res. HVHZ
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): 0.275	G	999	240
VERT(CL): 0.567	G	951	180
HORZ(LL): 0.101	O	-	-
HORZ(TL): 0.210	O	-	-

Creep Factor: 2.0
Max TC CSI: 0.979
Max BC CSI: 0.930
Max Web CSI: 0.962

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1989	/-	/-	/1132	/228	/214
N	1868	/-	/-	/937	/243	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 2.3
N Brg Width = - 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.	Chords	Tens.	Comp.
B - C	665	- 3169	H - I	911	- 3311
C - D	840	- 3528	I - J	730	- 2941
D - E	940	- 3749	J - K	730	- 2941
E - F	816	- 3128	K - L	730	- 2941
F - G	958	- 3452	L - M	444	- 1742
G - H	955	- 3443			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AA	2655	- 717	Q - P	3260	- 846
W - V	3235	- 890	P - O	1808	- 467
V - T	2663	- 737			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C -AA	219	- 609	T - H	657	- 218
C - Y	492	- 151	T - R	3435	- 931
AA- Y	2525	- 681	H - R	334	- 884
Y - D	236	- 763	R - Q	3014	- 788
Y - W	3136	- 858	I - P	161	- 441
D - W	552	- 170	J - P	204	- 467
W - E	759	- 179	P - L	1463	- 378
E - V	213	- 800	L - O	505	- 1470
F - V	457	- 27	O - M	2392	- 610
F - T	1132	- 337	M - N	534	- 1815

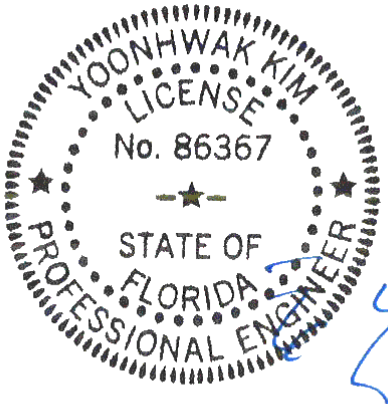
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W6,W12,W15 2x4 SP #2;

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

Plating Notes
All plates are 2X4 except as noted.

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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

ALPINE
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Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

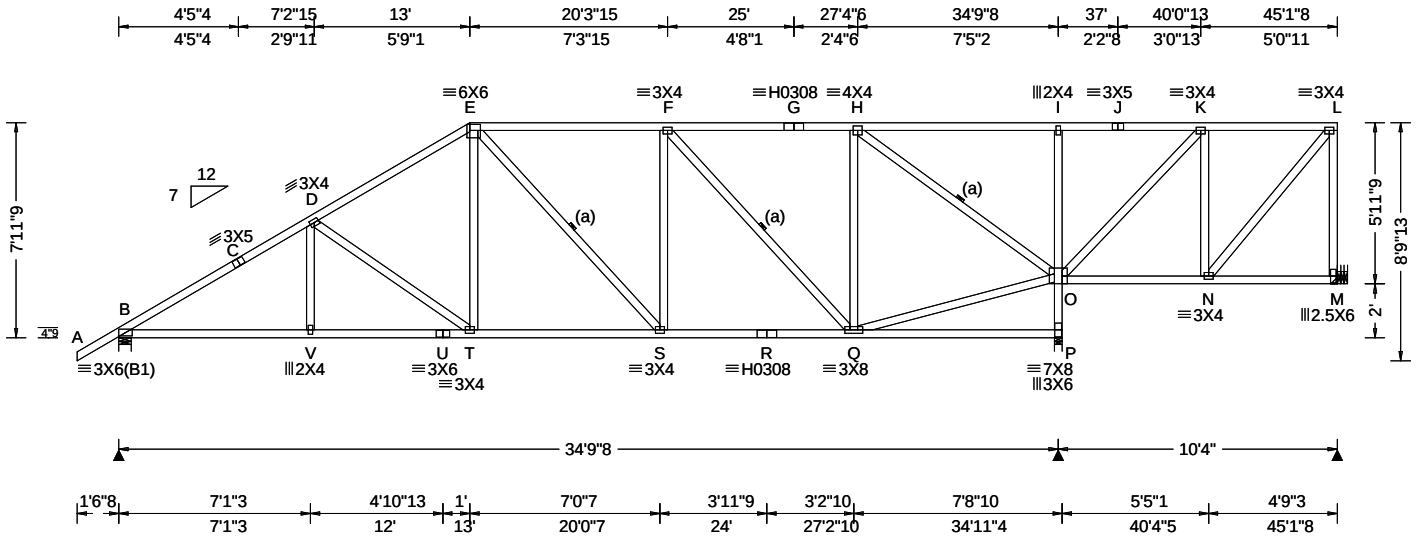
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=44'10"8 uses the following support conditions: 44'10"8
Bearing N (44'10"8, 10') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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

SEQN: 17405 / HIPM FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** D05	Cust: R 215 JRef:1X8V2150010 T82 / DrwNo: 259.21.1157.36812 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.51 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 7th Ed. 2020 Res. HVHZ
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):	0.083 T	999	240
VERT(CL):	0.172 T	999	180
HORZ(LL):	0.033 P	-	-
HORZ(TL):	0.068 P	-	-

Creep Factor: 2.0
Max TC CSI: 0.698
Max BC CSI: 0.650
Max Web CSI: 0.911

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	1456	/-	/-	/891	/137	/249
P	2342	/-	/-	/1216	/323	/-
M	231	/-125	/-	/52	/24	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.7
P Brg Width = 3.5 Min Req = 2.8
M Brg Width = - Min Req = -
Bearings B & P 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	368	- 2157	G - H	195	- 789
C - D	384	- 2027	H - I	642	- 176
D - E	408	- 1683	I - J	642	- 177
E - F	386	- 1353	J - K	642	- 177
F - G	195	- 789			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	1767	- 481	T - S	1373	- 393
V - U	1765	- 482	S - R	1347	- 388
U - T	1765	- 482	R - Q	1347	- 388

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - T	127	- 486	H - O	459	- 1742
E - T	477	- 11	I - O	195	- 414
F - Q	289	- 844	O - P	626	- 2278
Q - H	619	- 76	O - K	221	- 787
Q - O	805	- 205			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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Recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=44'10"8 uses the following support conditions: 44'10"8
Bearing M (44'10"8, 12') LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Wind

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

Right end vertical not exposed to wind pressure.

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.

FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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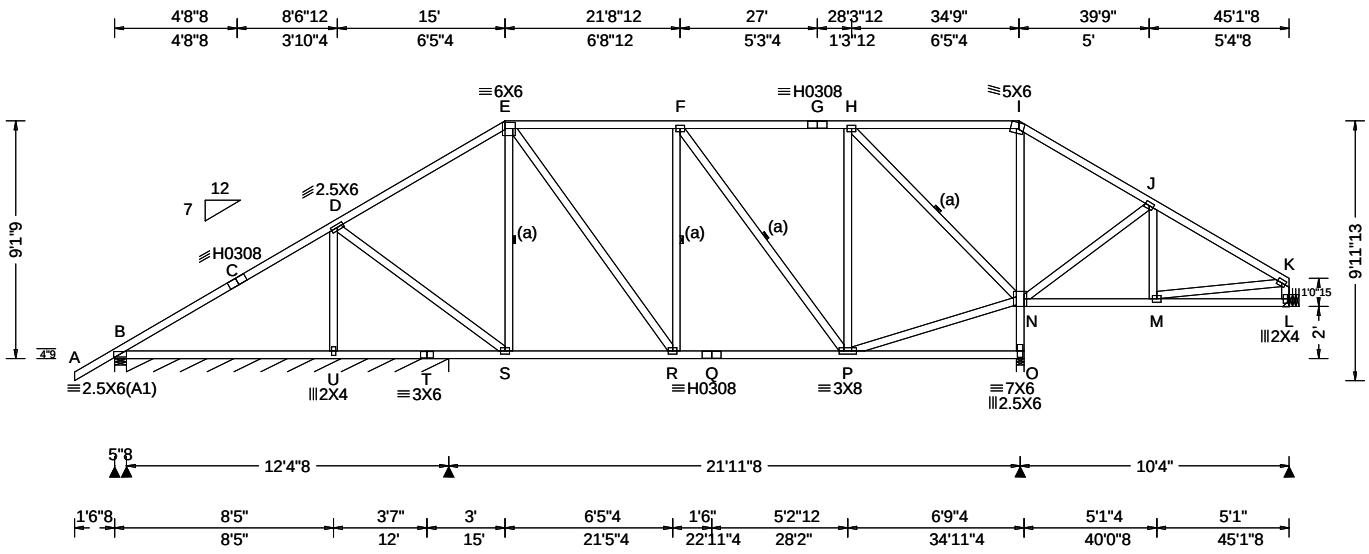
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17400 / HIPS FROM: Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** D06	Cust: R 215 JRef:1X8V2150010 T98 DrwNo: 259.21.1157.37248 / YK 09/16/2021



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.51 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 7th Ed. 2020 Res. HVHZ
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): 0.028	F	999	240
VERT(CL): 0.057	F	999	180
HORZ(LL): 0.013	B	-	-
HORZ(TL): 0.027	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.769
Max BC CSI: 0.616
Max Web CSI: 0.541

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	565	/-	/-	/342	/-	/216
B*	103	/-	/-	/64	/2	/-
O	1723	/-	/-	/911	/62	/-
L	346	/-	/-	/218	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
B Brg Width = 148 Min Req = -
O Brg Width = 3.5 Min Req = 2.0
L Brg Width = - Min Req = -
Bearings B, B, & O 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	54	-408	F - G	271	-586
D - E	300	-893	G - H	271	-586
E - F	347	-830			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	669	-111	Q - P	832	-163
R - Q	832	-163			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - D	333	-1072	H - N	336	-1075
D - S	611	-111	I - N	141	-397
F - P	160	-428	N - O	467	-1668
P - H	402	-32	N - J	135	-465
P - N	601	-102			

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

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

Plating Notes
All plates are 3X4 except as noted.

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
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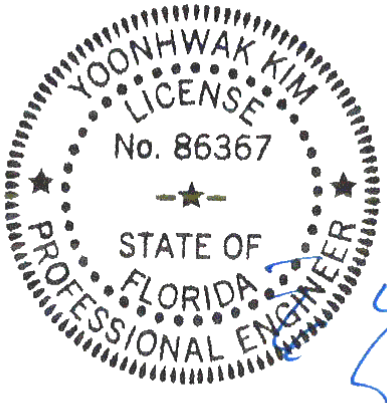

FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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Bearing at location x=44'10"8 uses the following support conditions: 44'10"8
Bearing L (44'10"8, 12') LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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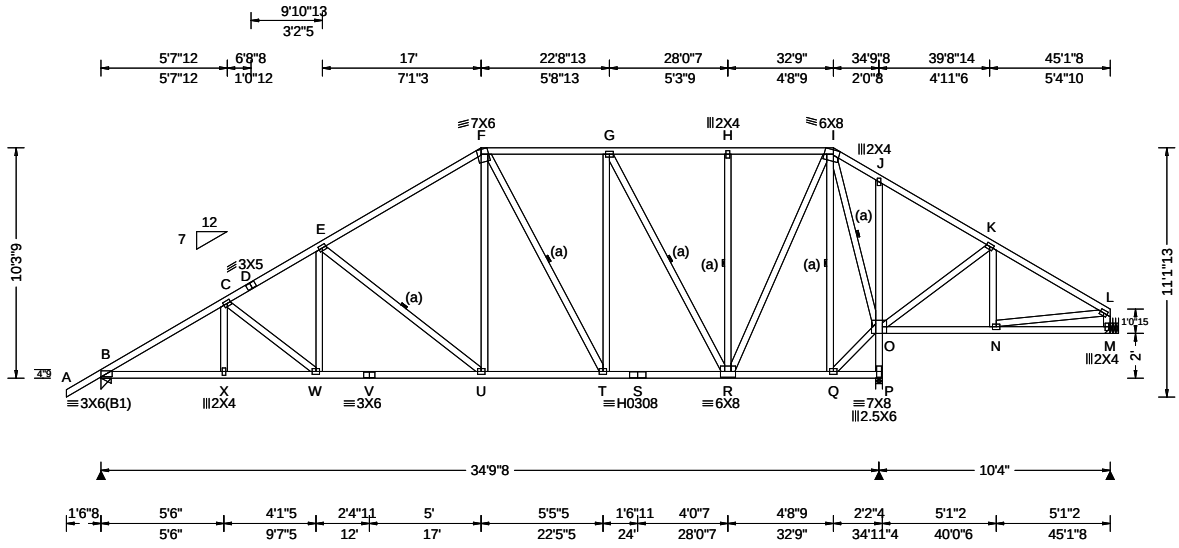
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17393 / HIPS FROM: Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** D07	Cust: R 215 JRef:1X8V2150010 T95 DrwNo: 259.21.1157.36968 / YK 09/16/2021



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.51 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 7th Ed. 2020 Res. HVHZ
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): 0.087	W	999	240
VERT(CL): 0.181	W	999	180
HORZ(LL): 0.033	Q	-	-
HORZ(TL): 0.070	Q	-	-

Creep Factor: 2.0
Max TC CSI: 0.554
Max BC CSI: 0.674
Max Web CSI: 0.737

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1504	/-	/-	/926	/13	/244
P	2144	/-	/-	/1108	/26	/-
M	298	/-	/-	/193	/36	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
P Brg Width = 3.5 Min Req = 2.5
M Brg Width = - Min Req = -
Bearings B & P 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	393	-2276	G - H	310	-644
C - D	404	-2000	H - I	310	-644
D - E	422	-1964	I - J	389	0
E - F	419	-1478	J - K	436	-26
F - G	399	-1031			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	1882	-353	U - T	1177	-185
X - W	1881	-354	T - S	1020	-175
W - V	1675	-307	S - R	1020	-175
V - U	1675	-307			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
W - E	381	0	R - I	1283	-320
E - U	162	-640	I - O	369	-1528
F - U	575	-34	O - P	459	-2129
T - G	413	-4	O - K	123	-455
G - R	215	-811			

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

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

Plating Notes
All plates are 3X4 except as noted.

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
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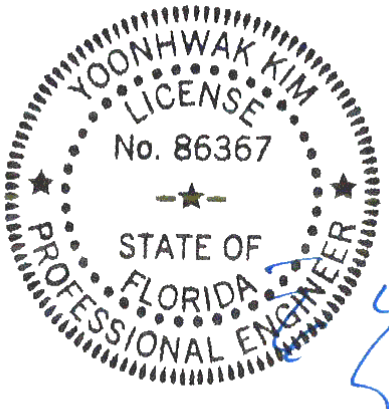

FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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

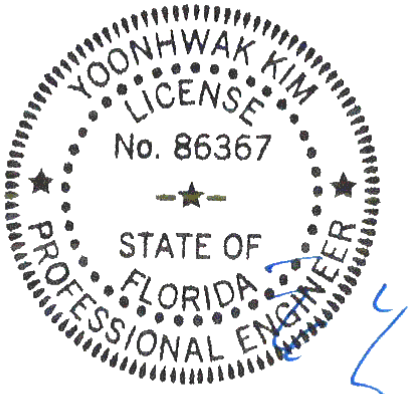
Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=44'10"8 uses the following support conditions: 44'10"8
Bearing M (44'10"8, 12') LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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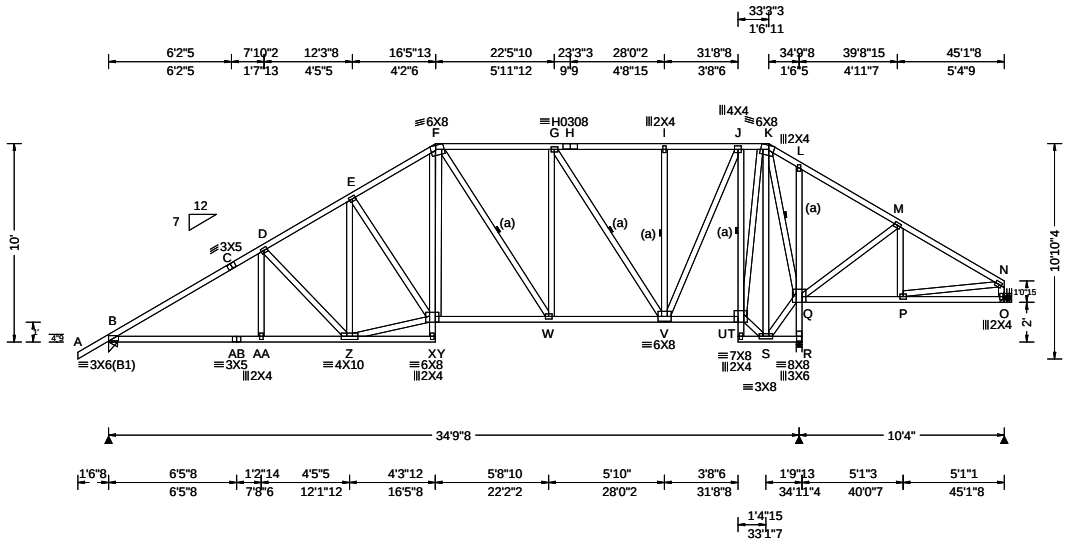
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17388 / HIPS FROM: Page 1 of 2	Ply: 1 Qty: 4	**Job Number:** 21-5856 Shelley **Truss Label:** D08	Cust: R 215 JRef:1X8V2150010 T21 / DrwNo: 259.21.1157.36624 / YK 09/16/2021



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: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.110 X 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.215 X 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.053 S - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.105 S - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.706
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.645
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.635
	C&C Dist a: 4.51 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	VIEW Ver: 21.01.01A.0521.20
	GCpi: 0.18	WAVE, HS	
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1582	/-	/-	/919	/15	/237
R	2351	/-	/-	/1130	/31	/-
O	267	/-18	/-	/188	/53	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.9
R Brg Width = 3.5 Min Req = 2.8
O Brg Width = - Min Req = -
Bearings B & R 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	407	- 2372	G - H	329	- 803
C - D	416	- 2186	H - I	329	- 803
D - E	448	- 1964	I - J	329	- 803
E - F	484	- 1819	K - L	453	- 2
F - G	439	- 1361	L - M	524	- 11

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AB	1945	- 350	X - W	1509	- 235
AB-AA	1945	- 350	W - V	1345	- 225
AA- Z	1943	- 352			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - Z	124	- 471	J - T	351	- 1390
Z - X	1668	- 276	T - K	1436	- 301
X - F	781	- 92	K - Q	363	- 1799
W - G	471	0	Q - R	453	- 2329
G - V	225	- 1016	Q - M	120	- 464
V - J	1397	- 301			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Loading

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

Wind

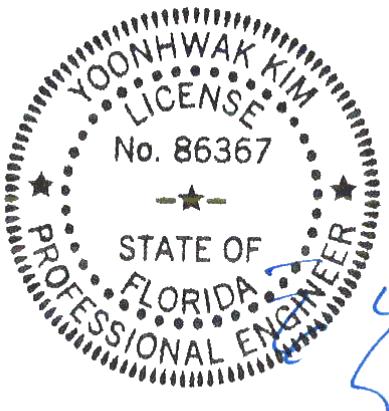
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

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.



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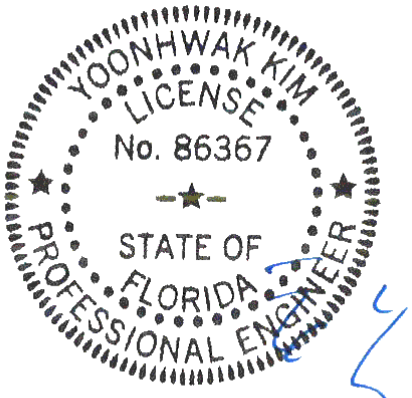
Recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

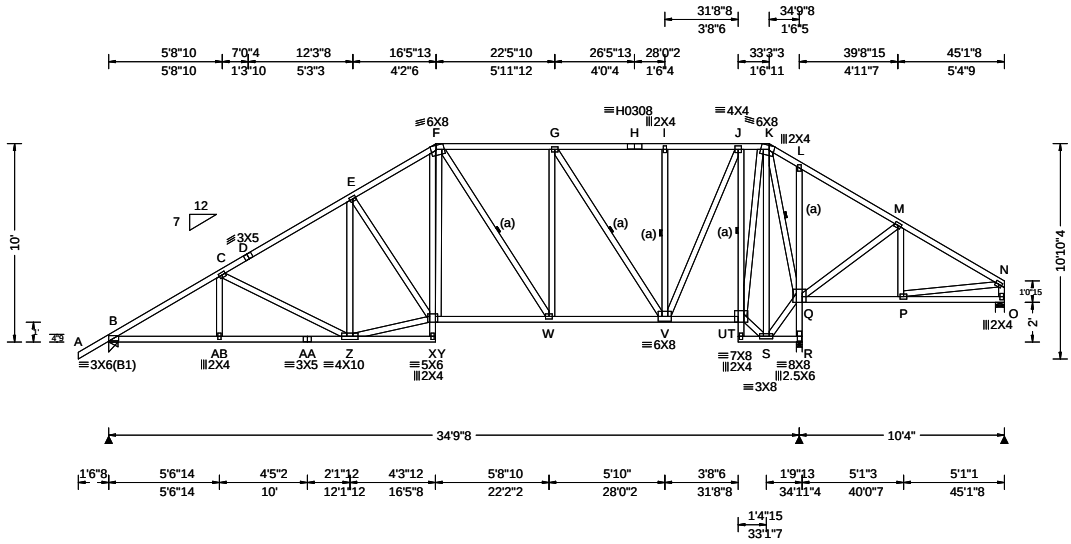
Bearing at location x=44'10"8 uses the following support conditions: 44'10"8
Bearing O (44'10"8, 12') LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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

SEQN: 17375 / SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** D09	Cust: R 215 JRef:1X8V2150010 T114 DrwNo: 259.21.1157.36014 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.51 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 7th Ed. 2020 Res. HVHZ
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): 0.097	X	999	240
VERT(CL): 0.202	X	999	180
HORZ(LL): 0.047	S	-	-
HORZ(TL): 0.098	S	-	-

Creep Factor: 2.0
Max TC CSI: 0.511
Max BC CSI: 0.652
Max Web CSI: 0.582

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	1490	/-	/-	/915	/15	/237
R	2199	/-	/-	/1146	/33	/-
O	280	/-13	/-	/182	/57	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
R Brg Width = 3.5 Min Req = 2.6
O Brg Width = 5.5 Min Req = 1.5
Bearings B, R, & O 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	410	-2286	G - H	325	-693
C - D	397	-1825	H - I	325	-693
D - E	428	-1781	I - J	325	-693
E - F	488	-1628	K - L	442	0
F - G	436	-1170	L - M	514	-14

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AB	1899	-373	X - W	1327	-232
AB-AA	1897	-374	W - V	1159	-223
AA- Z	1897	-374			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - Z	121	-463	J - T	353	-1246
Z - X	1527	-280	T - K	1283	-300
X - F	732	-108	K - Q	374	-1668
W - G	412	0	Q - R	459	-2175
G - V	227	-875	Q - M	121	-463
V - J	1232	-303			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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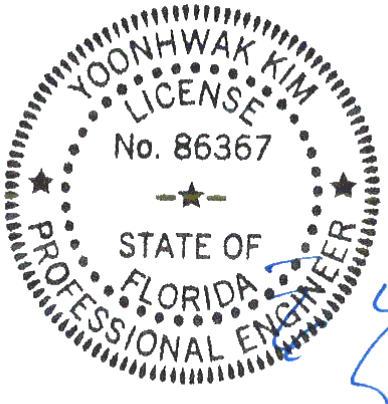

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09/16/2021

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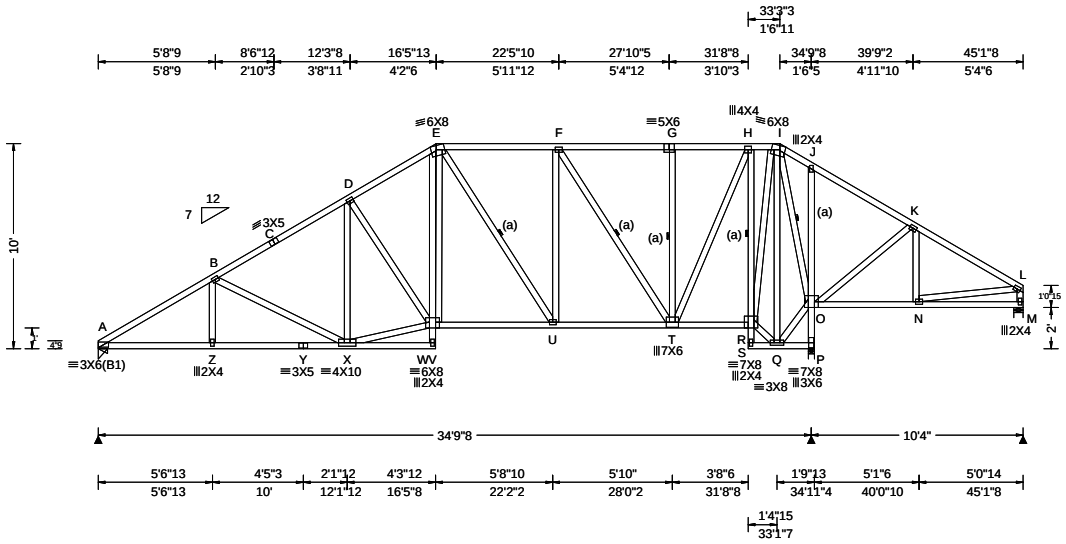
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17385 / SPEC FROM:	Ply: 1 Qty: 4	**Job Number:** 21-5856 Shelley **Truss Label:** D10	Cust: R 215 JRef:1X8V2150010 T116 DrwNo: 259.21.1157.37264 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.19 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.51 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 7th Ed. 2020 Res. HVHZ
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): 0.114	V	999	240
VERT(CL): 0.223	V	999	180
HORZ(LL): 0.055	Q	-	-
HORZ(TL): 0.109	Q	-	-

Creep Factor: 2.0
Max TC CSI: 0.518
Max BC CSI: 0.643
Max Web CSI: 0.646

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1470	/-	/-	/832	/8	/222
P	2375	/-	/-	/1147	/35	/-
M	258	/-34	/-	/181	/56	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 Min Req = 1.7
P Brg Width = 3.5 Min Req = 2.8
M Brg Width = 5.5 Min Req = 1.5
Bearings A, P, & M 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	433	- 2481	F - G	326	- 790
B - C	415	- 2006	G - H	326	- 790
C - D	436	- 1913	I - J	479	0
D - E	494	- 1831	J - K	551	- 13
E - F	441	- 1354			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - Z	2072	- 396	V - U	1503	- 237
Z - Y	2070	- 397	U - T	1338	- 227
Y - X	2070	- 397			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - X	131	- 482	H - R	356	- 1401
X - V	1696	- 286	R - I	1434	- 302
V - E	821	- 110	I - O	374	- 1837
U - F	473	0	O - P	461	- 2351
F - T	231	- 1028	O - K	120	- 467
T - H	1404	- 305			

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

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

Plating Notes
All plates are 3X4 except as noted.

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.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
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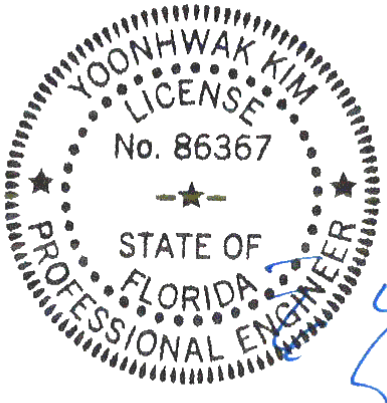

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09/16/2021

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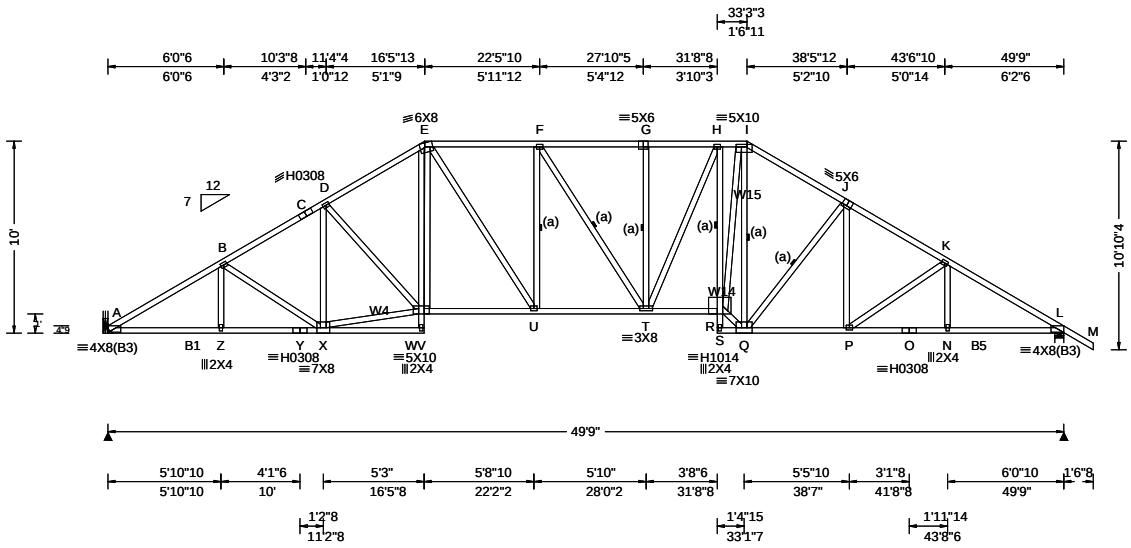
SEQN: 10264 / COMN FROM: Page 1 of 2	Ply: 1 Qty: 2	**Job Number:** 21-5856 Shelley **Truss Label:** D11	Cust: R 215 JRef:1X8V2150010 T22 / DrwNo: 259.21.1157.36982 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.98 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 7th Ed. 2020 Res. HVHZ
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): 0.344	G	999	240
VERT(CL): 0.662	G	897	180
HORZ(LL): 0.175	L	-	-
HORZ(TL): 0.336	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.684
Max BC CSI: 0.988
Max Web CSI: 0.864

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	2224	/-	/-	/1187	/-	/256
L	2340	/-	/-	/1271	/-	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
L Brg Width = 5.5 Min Req = 1.9
Bearing L is 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	690	- 3883	G - H	764	- 3209
B - C	701	- 3520	H - I	720	- 3047
C - D	707	- 3382	I - J	711	- 3072
D - E	769	- 3515	J - K	700	- 3515
E - F	771	- 3265	K - L	668	- 3849
F - G	764	- 3209			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - Z	3268	- 498	T - R	3069	- 380
Z - Y	3267	- 499	Q - P	2956	- 387
Y - X	3267	- 499	P - O	3230	- 457
V - U	2953	- 372	O - N	3230	- 457
U - T	3274	- 450	N - L	3231	- 456

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
X - V	3010	- 416	R - Q	3478	- 401
V - E	902	- 100	R - I	2964	- 460
E - U	575	- 170	Q - I	228	- 1735
T - H	379	- 140	Q - J	144	- 615

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B1,B5 2x4 SP M-31;
Webs: 2x4 SP #3; W4,W14,W15 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Loading

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

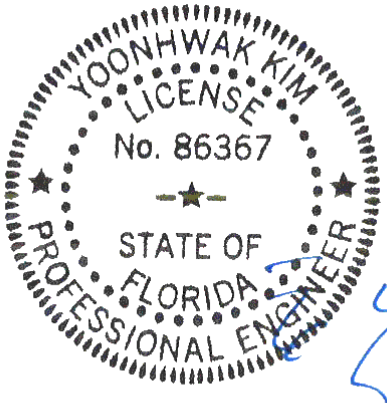
Wind

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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Hangers / Ties

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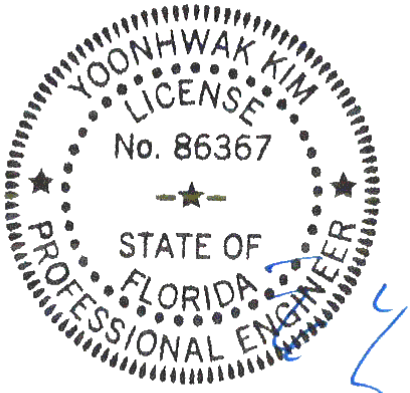
Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=0' uses the following support conditions: 0'
Bearing A (0', 10') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.162"x3.5" nails into supporting member,
(4) 0.162"x3.5" nails into supported member.



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09/16/2021

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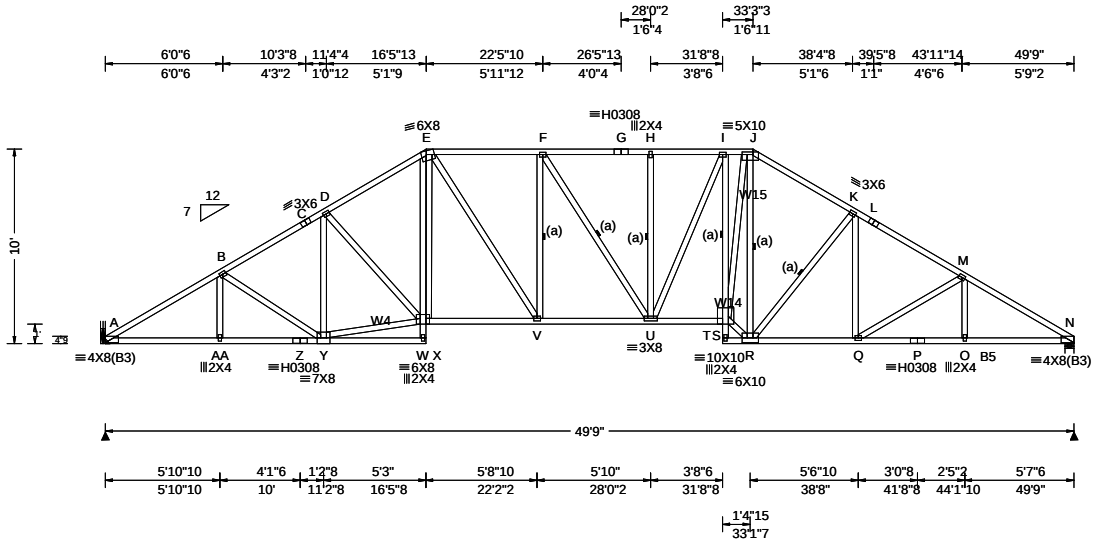
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 10266 / HIPS FROM: Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** D12	Cust: R 215 JRef:1X8V2150010 T48 DrwNo: 259.21.1157.37529 / YK 09/16/2021



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:	10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL):	0.293	H	999	240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL):	0.608	H	975	180
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL):	0.151	N	-	-
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL):	0.314	N	-	-
NCBCLL:	10.00	Mean Height: 15.19 ft	Building Code:	Creep Factor: 2.0				
Soffit:	2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI:	0.533			
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI:	0.975			
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI:	0.778			
		C&C Dist a: 4.98 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: 21.01.01A.0521.20				
		Wind Duration: 1.60						

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	2068	/-	/-	/1187	/-	/230
N	2069	/-	/-	/1188	/-	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
N Brg Width = 5.5 Min Req = 1.7
Bearing N is 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	692	- 3589	H - I	776	- 2894
B - C	703	- 3216	I - J	731	- 2758
C - D	709	- 3078	J - K	718	- 2798
D - E	776	- 3166	K - L	707	- 3073
E - F	778	- 2911	L - M	702	- 3219
F - G	776	- 2894	M - N	689	- 3585
G - H	776	- 2894			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A -AA	3015	- 528	U - S	2777	- 438
AA- Z	3014	- 529	R - Q	2699	- 444
Z - Y	3014	- 529	Q - P	3013	- 530
W - V	2651	- 406	P - O	3013	- 530
V - U	2922	- 485	O - N	3015	- 528

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Y - W	2736	- 447	S - J	2659	- 502
W - E	808	- 103	R - J	261	- 1563
E - V	477	- 171	R - K	149	- 578
S - R	3133	- 468			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B5 2x4 SP M-31;
Webs: 2x4 SP #3; W4,W14,W15 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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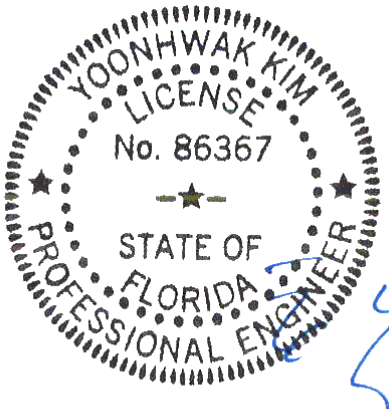

FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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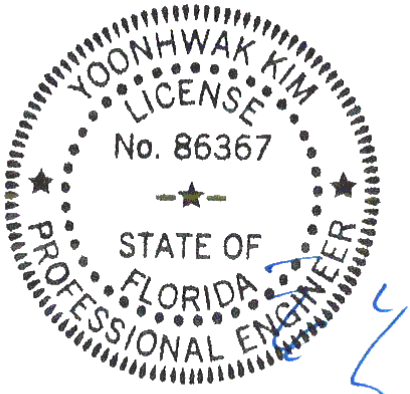
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=0' uses the following support conditions: 0'
Bearing A (0', 10') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.162"x3.5" nails into supporting member,
(4) 0.162"x3.5" nails into supported member.



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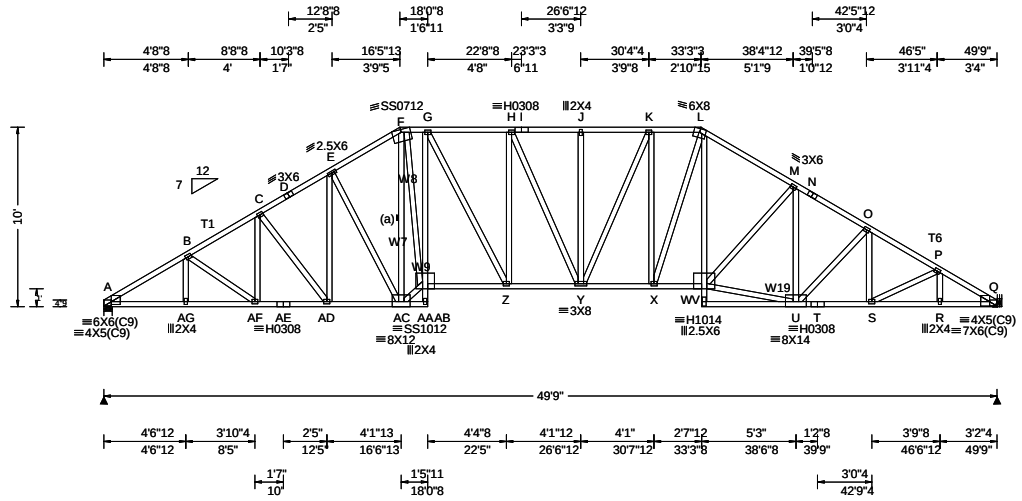
SEQN: 17337 / COMN FROM:	Ply: 2 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** D13	Cust: R 215 JRef:1X8V2150010 T44 / DrwNo: 259.21.1157.36436 / YK 09/16/2021

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.19 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.98 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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.394	H	999	240
VERT(CL): 0.777	H	764	180
HORZ(LL): 0.191	Q	-	-
HORZ(TL): 0.375	Q	-	-

Creep Factor: 2.0
Max TC CSI: 0.676
Max BC CSI: 0.812
Max Web CSI: 0.824

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	6033	/-	/-	/-	/4	/-
Q	6777	/-	/-	/-	/151	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 Min Req = 2.5
Q Brg Width = - Min Req = -
Bearing A is 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	16	-5184	I - J	44	-4524
B - C	13	-4986	J - K	44	-4524
C - D	14	-4599	K - L	65	-4346
D - E	6	-4573	L - M	103	-4899
E - F	20	-4159	M - N	90	-5050
F - G	14	-4222	N - O	105	-5099
G - H	27	-4476	O - P	118	-5619
H - I	44	-4524	P - Q	125	-5859

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A -AG	4414	-6	Y - X	4360	-64
AG-AF	4410	-6	X - V	4174	-79
AF-AE	4272	-4	U - T	4815	-95
AE-AD	4272	-4	T - S	4815	-95
AD-AC	3922	-5	S - R	4975	-103
AA- Z	4260	-16	R - Q	4983	-102
Z - Y	4483	-29			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AF- C	487	0	G - Z	531	-27
C -AD	0	-551	Y - K	412	0
AD- E	772	0	K - X	0	-405
E -AC	0	-758	X - L	643	0
F -AC	50	-2095	L - V	1703	-51
F -AA	4082	-36	V - U	4392	-87
AC-AA	4794	-9	U - O	18	-642
AA- G	38	-434	O - S	572	0

Lumber

Top chord: 2x4 SP #2; T1,T6 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W7 2x4 SP #2; W8,W9,
W19 2x4 SP M-31;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 7.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 16.49
TC: From 32 plf at 16.49 to 32 plf at 33.26
TC: From 63 plf at 33.26 to 63 plf at 49.75
BC: From 10 plf at 0.00 to 10 plf at 49.75
BC: 249 lb Conc. Load at 0.56, 2.56, 4.56, 6.56
BC: 362 lb Conc. Load at 8.56,10.56,12.56,14.56 16.56
BC: 414 lb Conc. Load at 18.56,20.56,22.56,24.56 26.56,28.56,30.56
BC: 354 lb Conc. Load at 32.56
BC: 464 lb Conc. Load at 34.56,36.56,38.56,40.56 42.56,44.56,46.56
BC: 393 lb Conc. Load at 48.56

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Additional Notes

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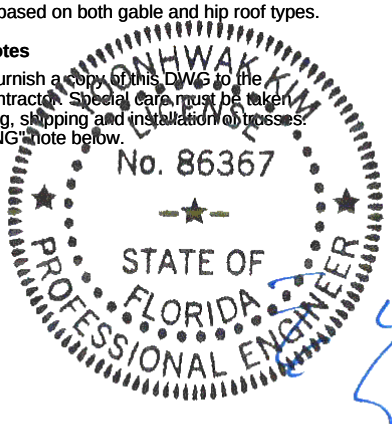

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09/16/2021

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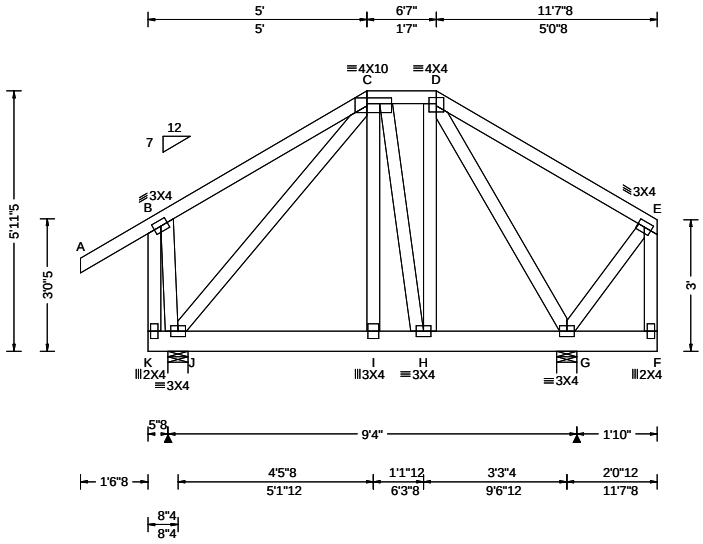
Suite 305
Orlando FL, 32821

SEQN: 396630 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** E01	Cust: R 215 JRef:1X8V2150010 T72 DrwNo: 259.21.1157.38545 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 18.03 ft
TCDL: 5.0 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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.012 I	999	240
VERT(CL):	0.020 I	999	180
HORZ(LL):	0.005 E	-	-
HORZ(TL):	0.008 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.519
Max BC CSI: 0.079
Max Web CSI: 0.650

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	906	/-	/-	/-	/104	/-
G	1016	/-	/-	/-	/75	/-

Wind reactions based on MWFRS
J Brg Width = 5.5 Min Req = 1.5
G Brg Width = 5.5 Min Req = 1.5
Bearings J & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	387	- 15	I - H	400	- 15

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - C	55	- 663	H - D	543	0
C - I	463	0	D - G	73	- 858

Lumber

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

Special Loads

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

TC: From	63 plf at	-1.54 to	63 plf at	5.00
TC: From	32 plf at	5.00 to	32 plf at	6.58
TC: From	63 plf at	6.58 to	63 plf at	11.62
BC: From	5 plf at	-1.54 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	5.03
BC: From	10 plf at	5.03 to	10 plf at	6.55
BC: From	20 plf at	6.55 to	20 plf at	11.62

TC: 6 lb Conc. Load at 5.03
TC: -290 lb Conc. Load at 6.55
BC: 536 lb Conc. Load at 5.03
BC: 664 lb Conc. Load at 6.55

Wind

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

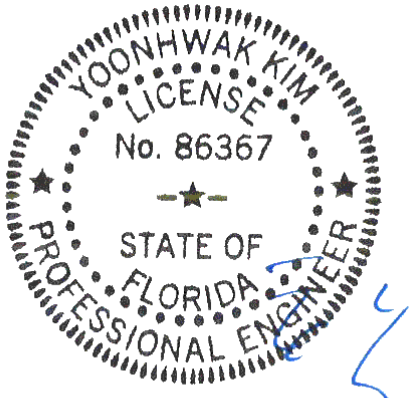
Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-11-5.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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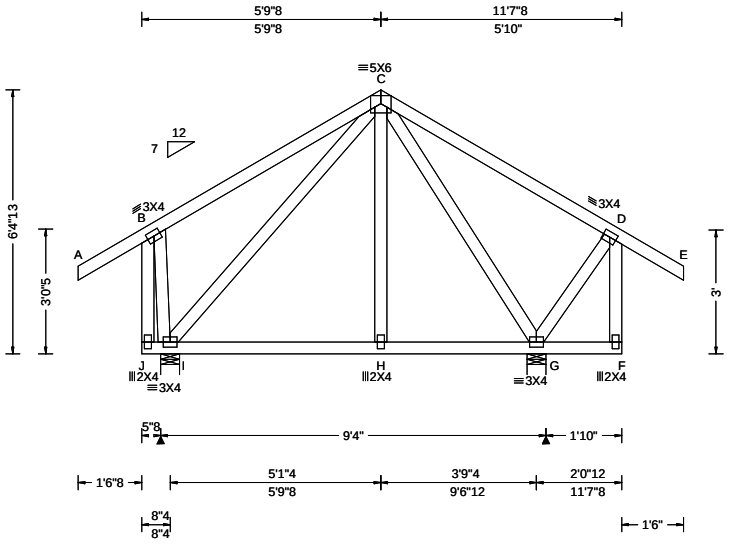
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9525 / SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** E02	Cust: R 215 JRef:1X8V2150010 T56 / DrwNo: 259.21.1157.37279 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 18.26 ft
TCDL: 5.0 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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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): 0.003	H	999	240
VERT(CL): 0.006	H	999	180
HORZ(LL): 0.003	D	-	-
HORZ(TL): 0.005	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.567
Max BC CSI: 0.166
Max Web CSI: 0.434

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	527	/-	/-	/306	/79	/118
G	675	/-	/-	/421	/96	/-

Wind reactions based on MWFRS
I Brg Width = 5.5 Min Req = 1.5
G Brg Width = 5.5 Min Req = 1.5
Bearings I & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - G	113	-451

Lumber

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

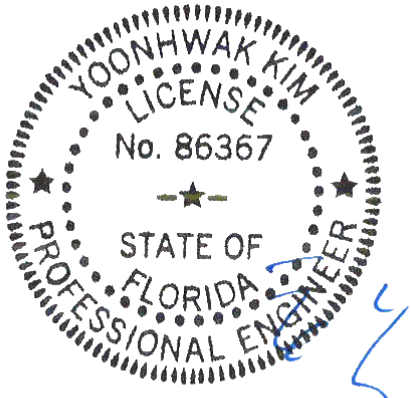
Wind

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

End verticals not exposed to wind pressure.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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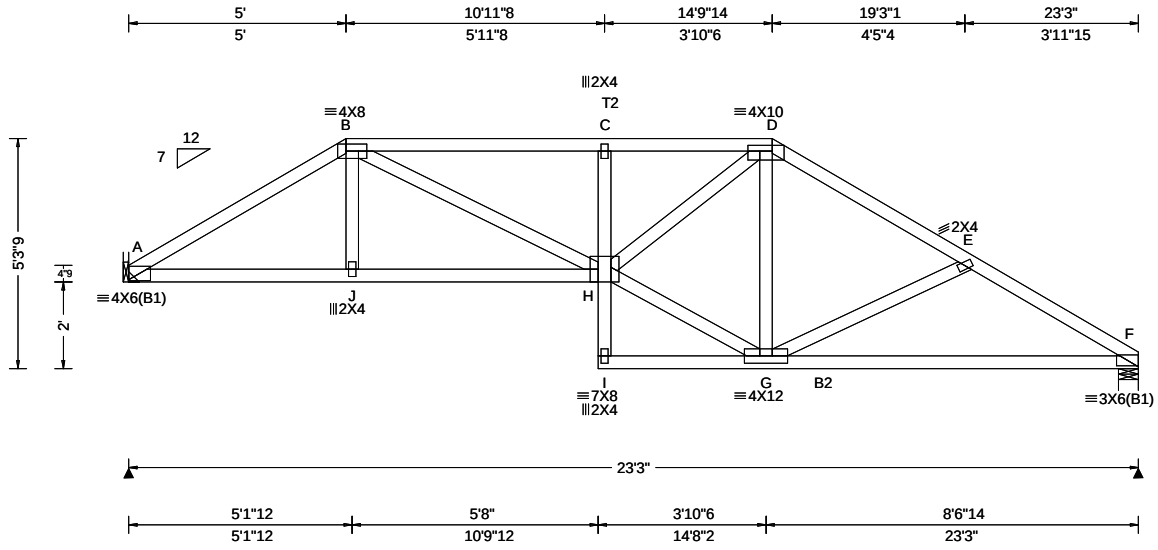
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396628 / SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** F01	Cust: R 215 JRef:1X8V2150010 T93 DrwNo: 259.21.1157.38327 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.130	C	999	240
VERT(CL): 0.253	C	999	180
HORZ(LL): 0.054	F	-	-
HORZ(TL): 0.105	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.421
Max BC CSI: 0.711
Max Web CSI: 0.809

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1664	/-	/-	/-	/209	/-
F	1359	/-	/-	/-	/155	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
F Brg Width = 5.5 Min Req = 1.6
Bearing F is 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	374	- 2876	D - E	240	- 2026
B - C	434	- 3404	E - F	307	- 2270
C - D	433	- 3383			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - J	2417	- 306	G - F	1904	- 246
J - H	2451	- 312			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - J	622	- 109	H - G	1907	- 206
B - H	1059	- 136	H - D	2123	- 307
C - H	148	- 538	G - D	146	- 701

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B2 2x4 SP #2;
Webs: 2x4 SP #3;

Special Loads

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

TC: From	63 plf at	0.00 to	63 plf at	5.00
TC: From	32 plf at	5.00 to	32 plf at	14.82
TC: From	63 plf at	14.82 to	63 plf at	23.25
BC: From	20 plf at	0.00 to	20 plf at	5.00
BC: From	10 plf at	5.00 to	10 plf at	14.73
BC: From	20 plf at	14.73 to	20 plf at	23.25

TC: -147 lb Conc. Load at 5.00
TC: 129 lb Conc. Load at 5.06, 7.06, 9.06
TC: 156 lb Conc. Load at 11.06,13.06,14.73
BC: 532 lb Conc. Load at 5.00
BC: 90 lb Conc. Load at 7.06, 9.06
BC: 26 lb Conc. Load at 11.06,13.06,14.73

Hangers / Ties

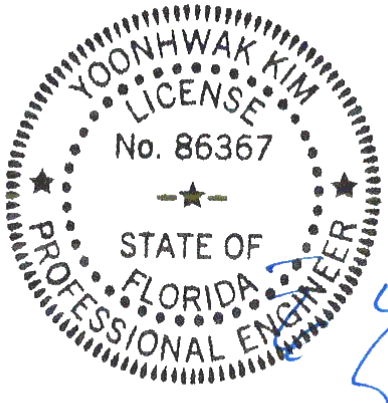
(J) Hanger Support Required, by others

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 3-3-9.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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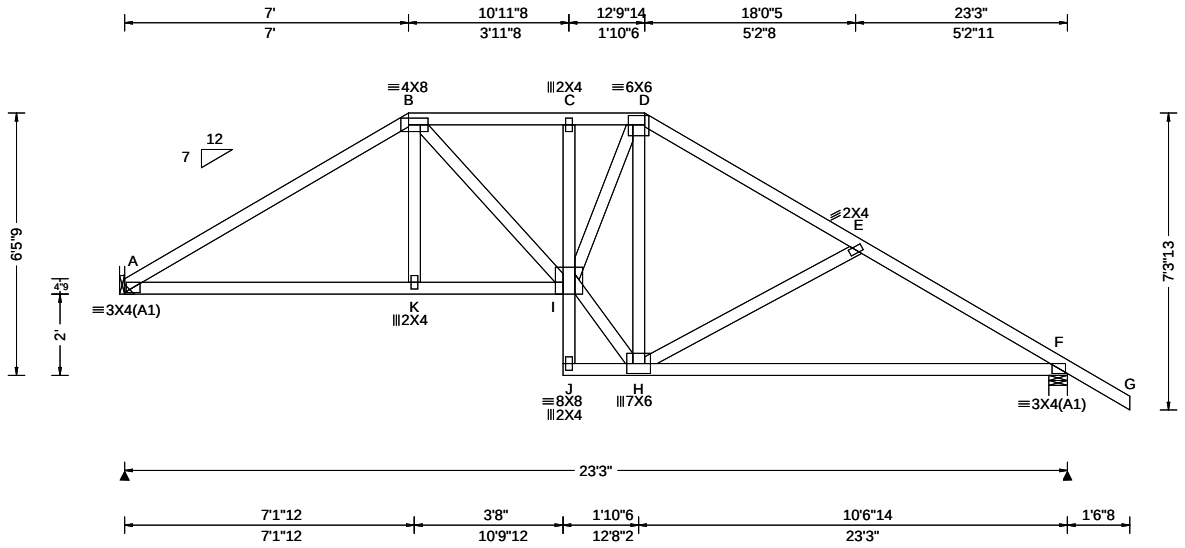
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 10002 / SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** F02	Cust: R 215 JRef:1X8V2150010 T81 / DrwNo: 259.21.1157.35389 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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): 0.058	C	999	240
VERT(CL): 0.119	C	999	180
HORZ(LL): 0.033	F	-	-
HORZ(TL): 0.069	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.603
Max BC CSI: 0.924
Max Web CSI: 0.566

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	962	/-	/-	/530	/98	/148
F	1076	/-	/-	/653	/127	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
F Brg Width = 5.5 Min Req = 1.5
Bearing F is 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	411	- 1449	D - E	359	- 1139
B - C	468	- 1380	E - F	400	- 1464
C - D	466	- 1373			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - K	1163	- 183	H - F	1204	- 251
K - I	1168	- 182			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - H	1437	- 204	H - D	237	- 761
I - D	1127	- 293			

Lumber

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

Hangers / Ties

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Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

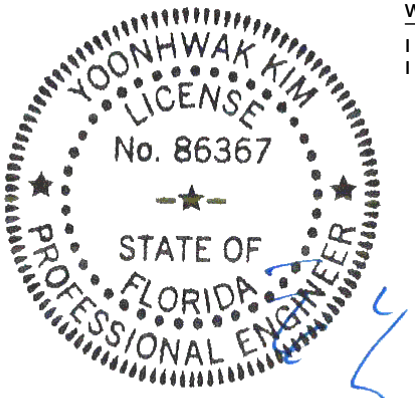
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=0' uses the following support conditions: 0'
Bearing A (0', 12') LUS26
Supporting Member: (1)2x6 SP 2400f-2.0E
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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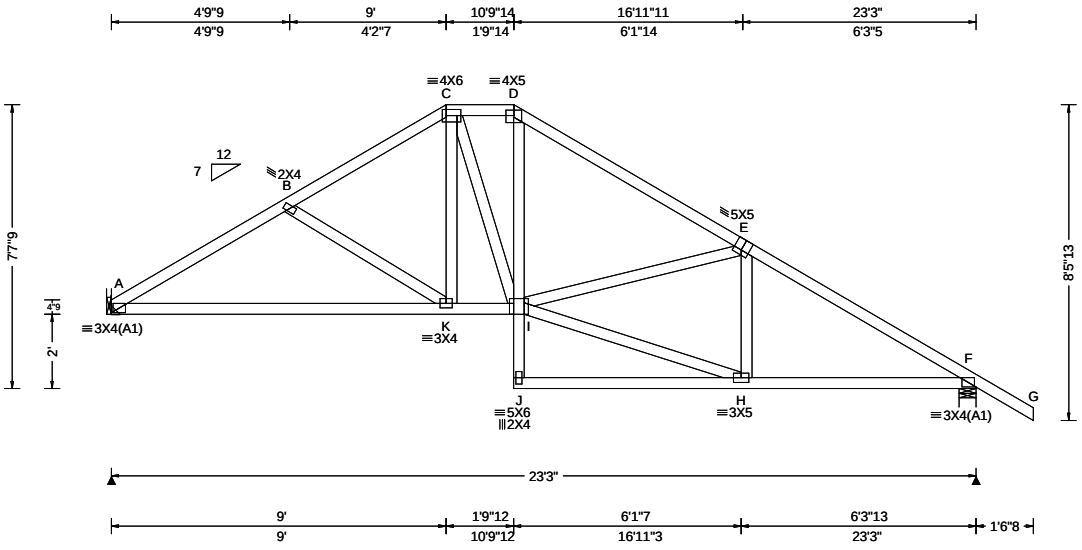
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9921 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** F03	Cust: R 215 JRef:1X8V2150010 T121 DrwNo: 259.21.1157.36936 / YK 09/16/2021



Loading Criteria (psf)

TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria

Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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 7th Ed. 2020 Res. HVHZ
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): 0.049	I	999	240
VERT(CL): 0.101	I	999	180
HORZ(LL): 0.025	F	-	-
HORZ(TL): 0.051	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.410
Max BC CSI: 0.703
Max Web CSI: 0.476

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	962	/-	/-	/534	/94	/173
F	1076	/-	/-	/656	/124	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
F Brg Width = 5.5 Min Req = 1.5
Bearing F is 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	284	-1503	D - E	265	-1351
B - C	251	-1233	E - F	250	-1482
C - D	267	-1073			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - K	1245	-97	H - F	1201	-117
K - I	998	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
I - H	1251	-124

Lumber

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

Hangers / Ties

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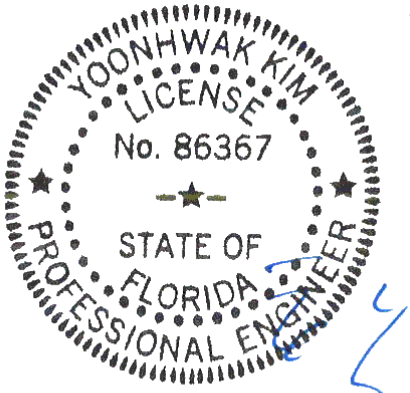
Bearing at location x=0' uses the following support conditions: 0'
Bearing A (0', 12') LUS26
Supporting Member: (1)2x6 SP 2400f-2.0E
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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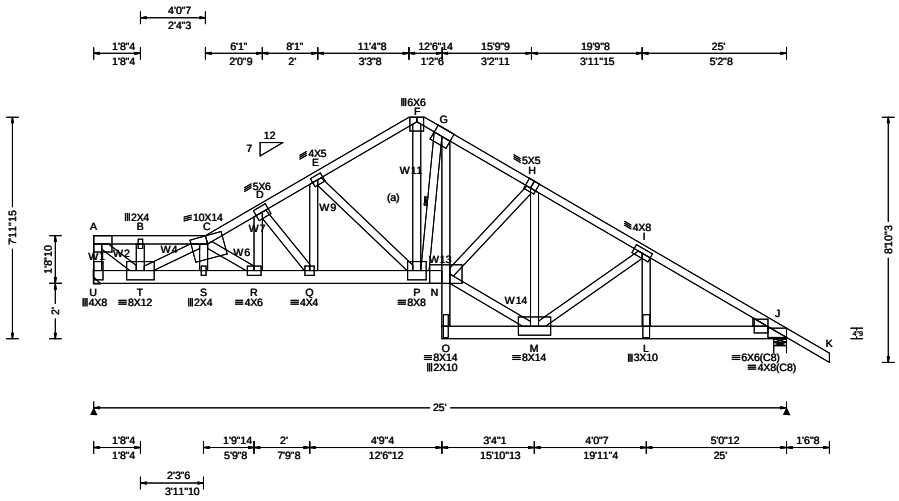
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396637 / SPEC FROM:	Ply: 2 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** F04	Cust: R 215 JRef:1X8V2150010 T104 DrwNo: 259.21.1157.38982 / YK 09/16/2021

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
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 7th Ed. 2020 Res. HVHZ
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): 0.232	N	999	240
VERT(CL): 0.465	N	641	180
HORZ(LL): 0.075	J	-	-
HORZ(TL): 0.151	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.453
Max BC CSI: 0.682
Max Web CSI: 0.782

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
U	6573	/-	/-	/-	/857	/-
J	7879	/-	/-	/-	/1077	/-

Wind reactions based on MWFRS
U Brg Width = - Min Req = -
J Brg Width = 5.5 Min Req = 3.3
Bearing J is 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	514	- 3954	F - G	555	- 4351
B - C	514	- 3954	G - H	673	- 5213
C - D	852	- 6534	H - I	715	- 5450
D - E	697	- 5457	I - J	988	- 7273
E - F	579	- 4515			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	7249	- 949	P - N	4374	- 563
S - R	7261	- 950	M - L	6186	- 835
R - Q	5517	- 717	L - J	6233	- 842
Q - P	4623	- 590			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - U	413	- 3162	P - G	376	- 2766
A - T	5036	- 655	F - P	4102	- 517
T - C	498	- 3780	G - N	3443	- 461
C - R	271	- 2034	N - O	406	- 49
R - D	1602	- 226	N - M	5531	- 723
D - Q	201	- 1405	M - I	275	- 1854
Q - E	1206	- 146	I - L	1970	- 276
E - P	128	- 1000			

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W1,W4,W6,W7,W9,W13 2x4 SP #2;
W2,W11,W14 2x4 SP M-31;
Rt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

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

TC: From	32 plf at	0.00 to	32 plf at	19.88
TC: From	63 plf at	19.88 to	63 plf at	26.54
BC: From	10 plf at	0.00 to	10 plf at	19.88
BC: From	20 plf at	19.88 to	20 plf at	25.00
BC: From	5 plf at	25.00 to	5 plf at	26.54

BC: 267 lb Conc. Load at 1.19, 3.19, 5.19, 5.94
BC: 2032 lb Conc. Load at 1.69
BC: 298 lb Conc. Load at 7.94
BC: 346 lb Conc. Load at 9.94
BC: 231 lb Conc. Load at 11.94
BC: 1868 lb Conc. Load at 13.94,15.94,17.94
BC: 3519 lb Conc. Load at 19.88

Plating Notes

All plates are 7X8 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhangs is 5-11-15.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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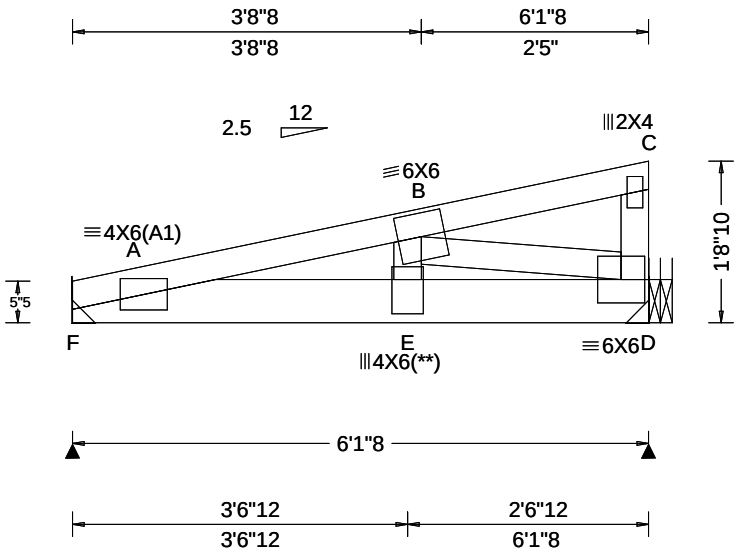
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396632 / MONO FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** FG01	Cust: R 215 JRef:1X8V2150010 T16 / DrwNo: 259.21.1157.38999 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.047 A	999	240
VERT(CL):	0.092 A	782	180
HORZ(LL):	0.008 A	-	-
HORZ(TL):	0.015 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.323
Max BC CSI: 0.702
Max Web CSI: 0.737

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	1987	/-	/-	/-	/256	/-
D	2032	/-	/-	/-	/236	/-

Wind reactions based on MWFRS
F Brg Width = - Min Req = -
D Brg Width = - Min Req = -
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	450	-3671

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	3605	-440	E - D	3377	-417

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
E - B	1646	-166	B - D	439	-3548

Lumber
Top chord: 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

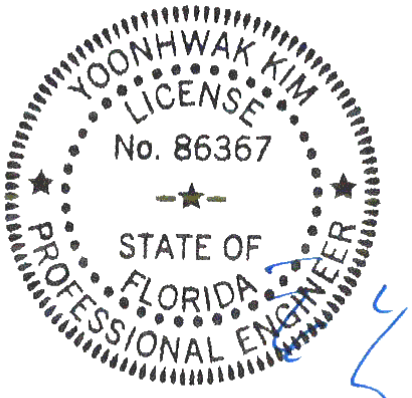
Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 6.13
BC: From 10 plf at 0.00 to 10 plf at 6.13
BC: 1664 lb Conc. Load at 1.56
BC: 962 lb Conc. Load at 3.56, 5.56

Plating Notes
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Hangers / Ties
(J) Hanger Support Required, by others

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.

Additional Notes
The overall height of this truss excluding overhang is 1-8-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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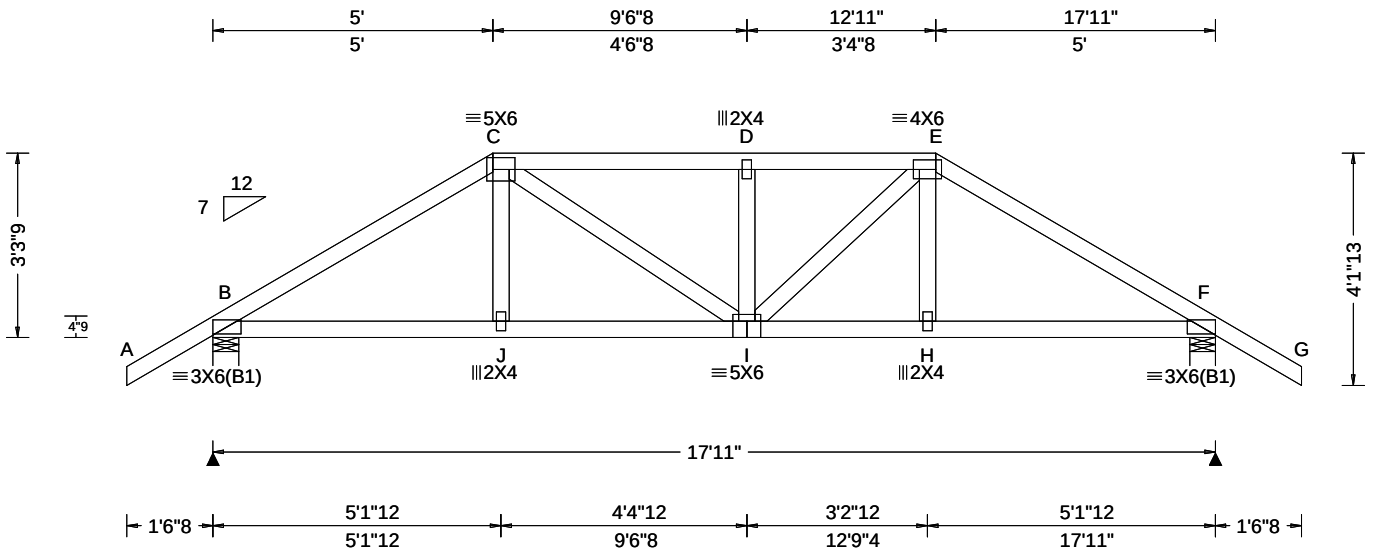
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396626 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** G01	Cust: R 215 JRef:1X8V2150010 T34 / DrwNo: 259.21.1157.38187 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.075	D	999	240
VERT(CL): 0.150	D	999	180
HORZ(LL): 0.030	F	-	-
HORZ(TL): 0.060	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.566
Max BC CSI: 0.740
Max Web CSI: 0.220

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1532	/-	/-	/-	/223	/-
F	1532	/-	/-	/-	/223	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
F Brg Width = 5.5 Min Req = 1.8
Bearings B & 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.
B - C	339	- 2351	D - E	351	- 2384
C - D	351	- 2384	E - F	337	- 2329

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	1953	- 272	I - H	1951	- 266
J - I	1977	- 270	H - F	1930	- 268

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - J	478	0	I - E	578	- 113
C - I	488	- 97	H - E	430	0
D - I	168	- 412			

Lumber

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

Special Loads

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

TC: From	63 plf at	-1.54 to	63 plf at	5.00
TC: From	32 plf at	5.00 to	32 plf at	12.92
TC: From	63 plf at	12.92 to	63 plf at	19.46
BC: From	5 plf at	-1.54 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	5.03
BC: From	10 plf at	5.03 to	10 plf at	12.89
BC: From	20 plf at	12.89 to	20 plf at	17.92
BC: From	5 plf at	17.92 to	5 plf at	19.46

TC: 129 lb Conc. Load at 5.06, 7.06, 8.96,10.85 12.85
BC: 388 lb Conc. Load at 5.03,12.89
BC: 90 lb Conc. Load at 7.06, 8.96,10.85

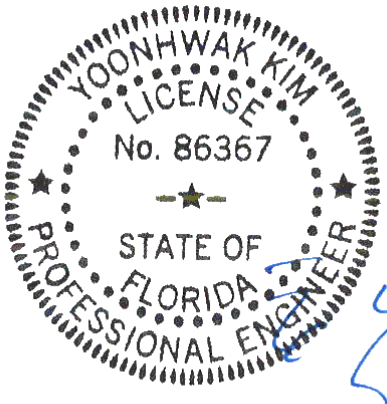
Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-3-9.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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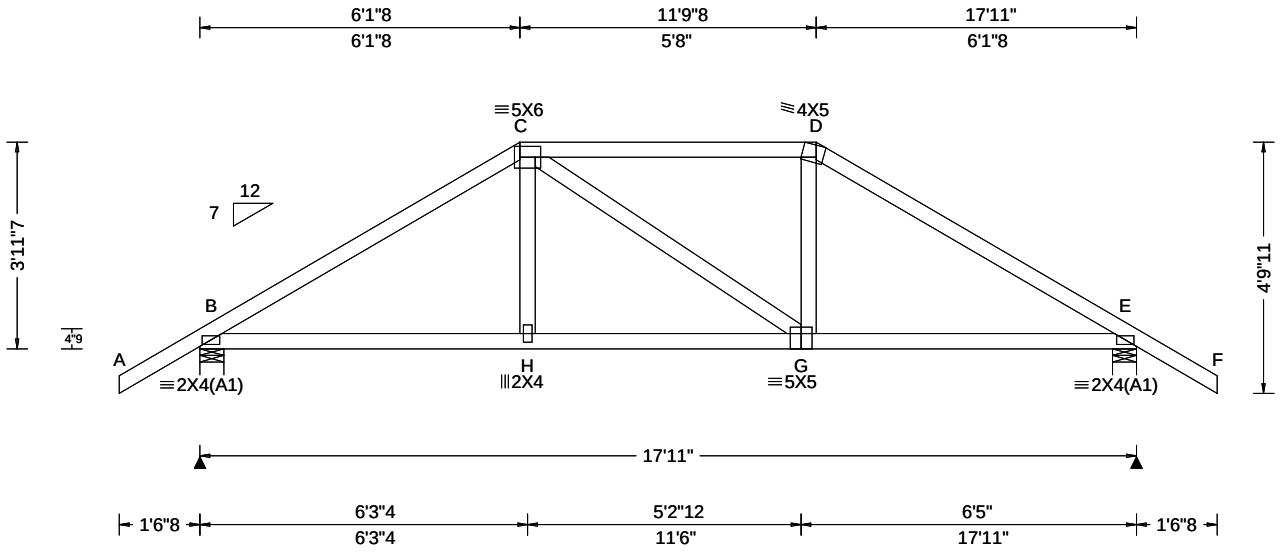
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9491 / JACK FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** G02	Cust: R 215 JRef:1X8V2150010 T4 / DrwNo: 259.21.1157.35420 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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): 0.022	H	999	240
VERT(CL): 0.045	H	999	180
HORZ(LL): 0.011	E	-	-
HORZ(TL): 0.022	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.318
Max BC CSI: 0.374
Max Web CSI: 0.088

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	849	/-	/-	/500	/99	/117
E	849	/-	/-	/500	/99	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
E Brg Width = 5.5 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	375	-1041	D - E	376	-1038
C - D	367	-827			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	819	-228	G - E	817	-236
H - G	824	-226			

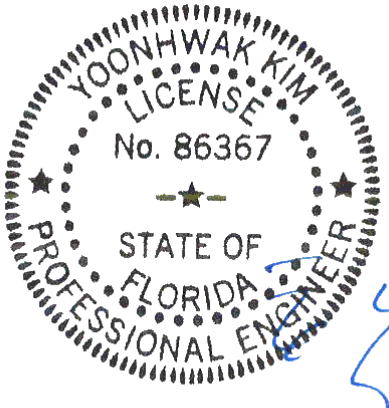
Lumber

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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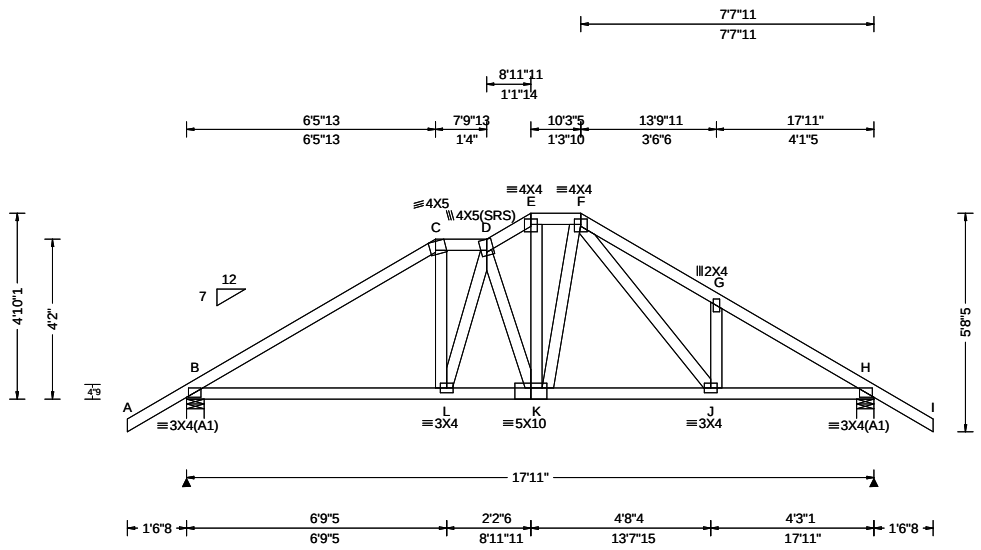
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396585 / JACK FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** G03	Cust: R 215 JRef:1X8V2150010 T11 / DrwNo: 259.21.1157.39170 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.027	D	999	240
VERT(CL): 0.055	D	999	180
HORZ(LL): 0.012	H	-	-
HORZ(TL): 0.025	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.489
Max BC CSI: 0.427
Max Web CSI: 0.134

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
B	884	/-	/-		/502	/106	/136
H	890	/-	/-		/503	/107	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
H Brg Width = 5.5 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	244	- 1082	E - F	235	- 772
C - D	251	- 859	F - G	290	- 1149
D - E	256	- 881	G - H	224	- 1181

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	849	- 112	K - J	743	- 79
L - K	870	- 106	J - H	959	- 119

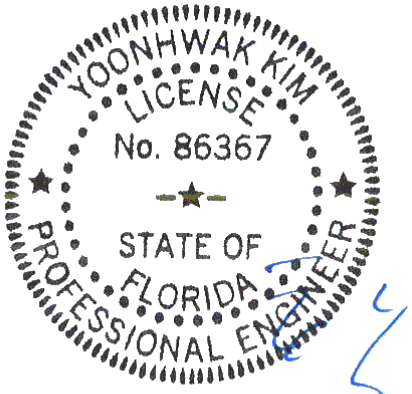
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

TC: From	63 plf at	-1.54 to	63 plf at	19.46
BC: From	5 plf at	-1.54 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	17.92
BC: From	5 plf at	17.92 to	5 plf at	19.46
BC:	75 lb Conc. Load at	9.63		

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes
The overall height of this truss excluding overhang is 4-10-1.
WIND LOAD CASE MODIFIED!



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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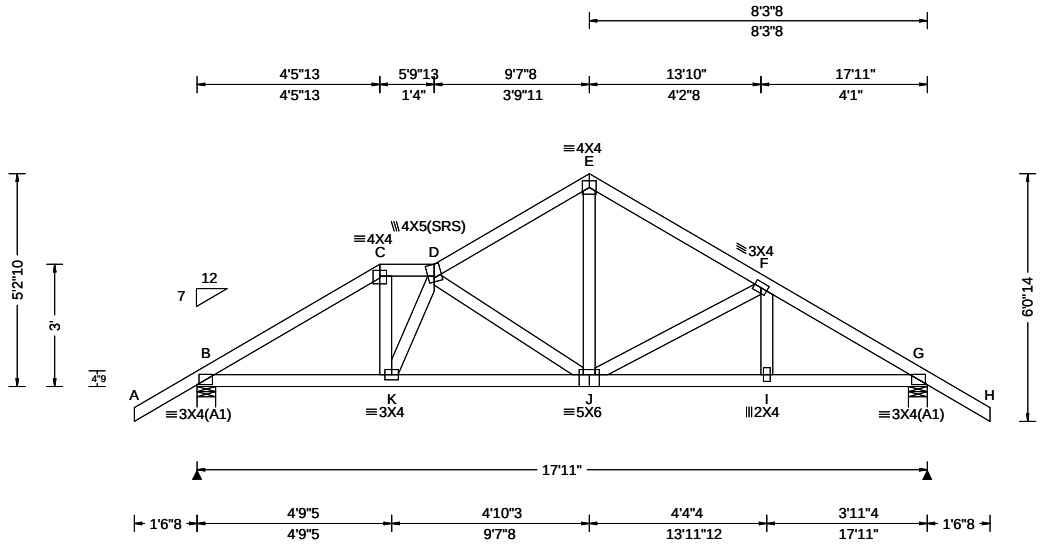
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396587 / JACK FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** G04	Cust: R 215 JRef:1X8V2150010 T15 DrwNo: 259.21.1157.38436 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.033	J	999	240
VERT(CL): 0.067	J	999	180
HORZ(LL): 0.015	G	-	-
HORZ(TL): 0.031	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.302
Max BC CSI: 0.473
Max Web CSI: 0.216

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	884	/-	/-	/500	/106	/145
G	890	/-	/-	/502	/107	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
G Brg Width = 5.5 Min Req = 1.5
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	208	- 1148	E - F	173	- 908
C - D	212	- 964	F - G	158	- 1182
D - E	173	- 895			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	923	- 111	J - I	962	- 96
K - J	1084	- 131	I - G	963	- 94

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - K	422	- 26	D - J	166	- 434
K - D	89	- 376	E - J	567	- 74

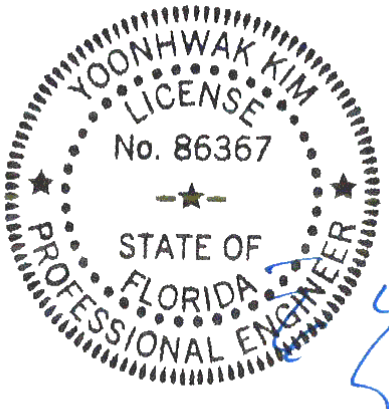
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

TC: From	63 plf at	-1.54 to	63 plf at	19.46
BC: From	5 plf at	-1.54 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	17.92
BC: From	5 plf at	17.92 to	5 plf at	19.46
BC:	75 lb Conc. Load at	9.63		

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes
The overall height of this truss excluding overhang is 5-2-10.
WIND LOAD CASE MODIFIED!



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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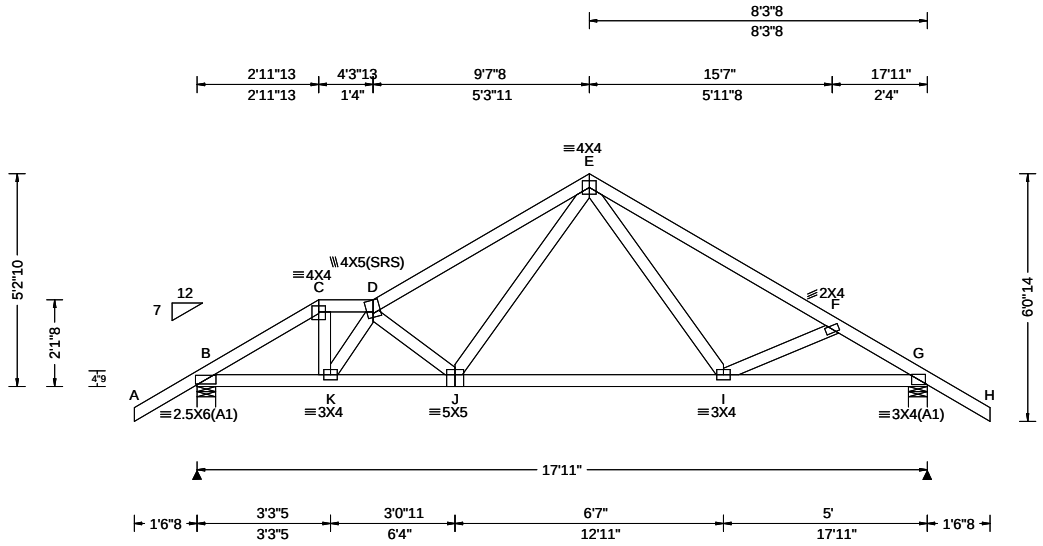
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396623 / JACK FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** G05	Cust: R 215 JRef:1X8V2150010 T18 / DrwNo: 259.21.1157.38921 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.054 J	999	240
VERT(CL):	0.108 J	999	180
HORZ(LL):	0.020 G	-	-
HORZ(TL):	0.040 G	-	-

Creep Factor: 2.0
Max TC CSI: 0.504
Max BC CSI: 0.667
Max Web CSI: 0.343

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1296	/-	/-	/-	/149	/-
G	970	/-	/-	/-	/118	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
G Brg Width = 5.5 Min Req = 1.5
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	185	- 1834	E - F	115	- 1253
C - D	156	- 1661	F - G	173	- 1428
D - E	154	- 1606			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	1519	- 143	J - I	843	- 96
K - J	1931	- 195	I - G	1193	- 142

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - K	899	- 78	D - J	109	- 814
K - D	79	- 614	J - E	867	- 33

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

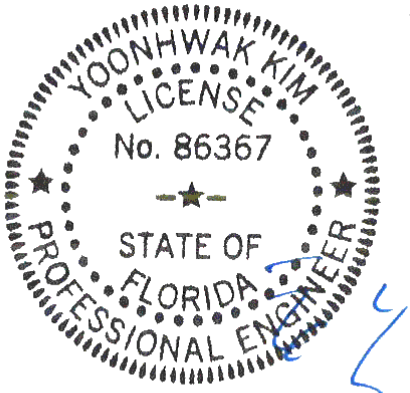
Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	63 plf at	-1.54 to	63 plf at	19.46
BC: From	5 plf at	-1.54 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	17.92
BC: From	5 plf at	17.92 to	5 plf at	19.46

BC: 492 lb Conc. Load at 3.02
BC: 75 lb Conc. Load at 9.73

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

Additional Notes
The overall height of this truss excluding overhang is 5-2-10.
WIND LOAD CASE MODIFIED!



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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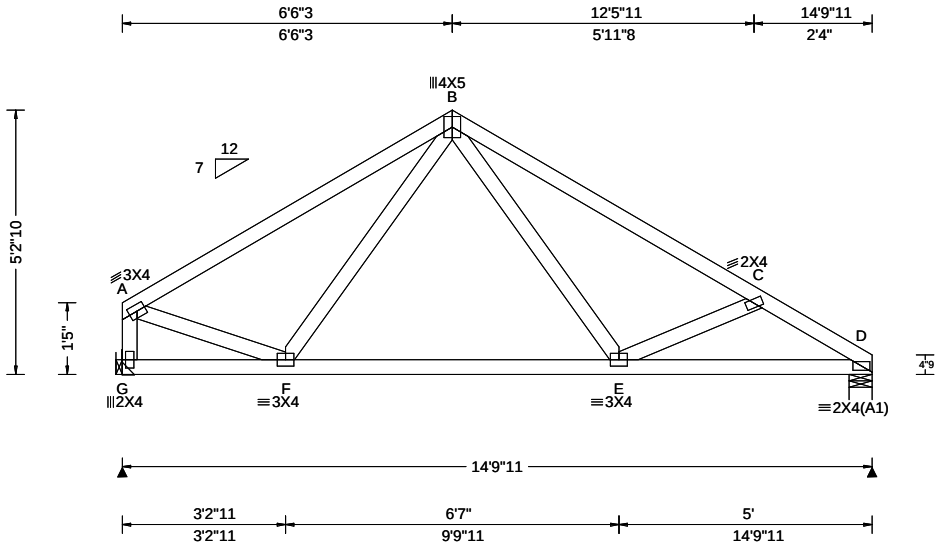
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396592 / SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** G06	Cust: R 215 JRef:1X8V2150010 T6 / DrwNo: 259.21.1157.38092 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.019	E	999	240
VERT(CL): 0.038	E	999	180
HORZ(LL): 0.008	D	-	-
HORZ(TL): 0.016	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.713
Max BC CSI: 0.501
Max Web CSI: 0.201

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	650	/-	/-	/332	/68	/106
D	657	/-	/-	/357	/69	/-

Wind reactions based on MWFRS
G Brg Width = - Min Req = -
D Brg Width = 5.5 Min Req = 1.5
Bearing D is 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	112	- 698	C - D	221	- 1100
B - C	167	- 905			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
F - E	526	- 70	E - D	929	- 171

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - G	109	- 650	A - F	514	- 21

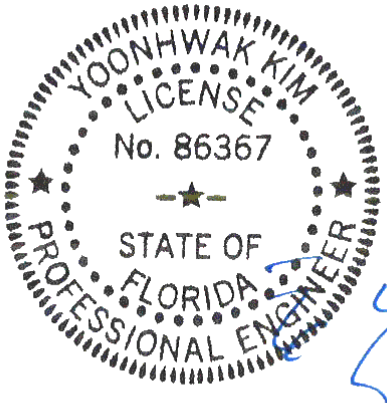
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 14.81
BC: From 20 plf at 0.00 to 20 plf at 14.81
BC: 75 lb Conc. Load at 6.84

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
The overall height of this truss excluding overhang is 5-2-10.
WIND LOAD CASE MODIFIED!



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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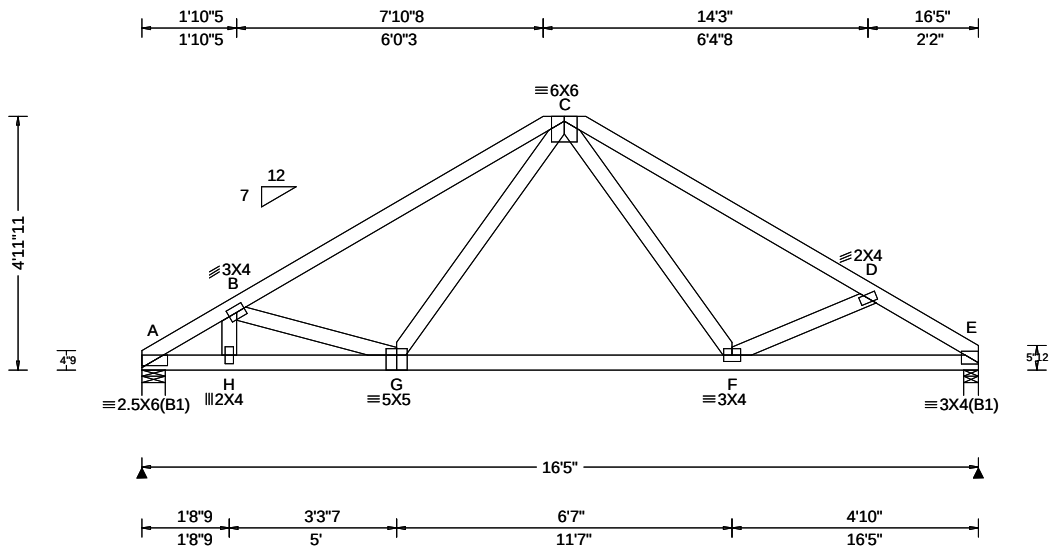
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396595 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** G07	Cust: R 215 JRef:1X8V2150010 T8 / DrwNo: 259.21.1157.38217 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.030 G	999	240
VERT(CL):	0.062 G	999	180
HORZ(LL):	0.013 E	-	-
HORZ(TL):	0.027 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.586
Max BC CSI: 0.282
Max Web CSI: 0.196

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1143	/-	/-	/-	/119	/-
E	765	/-	/-	/-	/80	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 Min Req = 1.5
E Brg Width = 3.5 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	214	- 1835	C - D	106	- 1083
B - C	127	- 1244	D - E	166	- 1257

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	1588	- 192	G - F	714	- 89
H - G	1571	- 192	F - E	1051	- 139

Maximum Web Forces Per Ply (lbs)

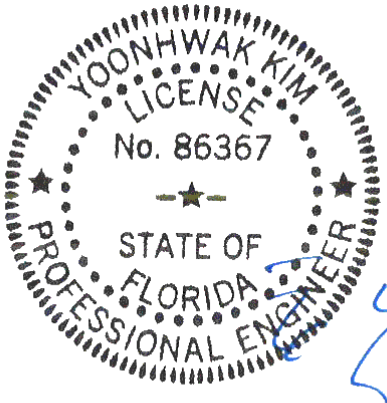
Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	118	- 658	G - C	514	0

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

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 16.42
BC: From 20 plf at 0.00 to 20 plf at 16.42
BC: 468 lb Conc. Load at 1.71
BC: 75 lb Conc. Load at 8.29

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

Additional Notes
The overall height of this truss excluding overhang is 4-11-11.
WIND LOAD CASE MODIFIED!



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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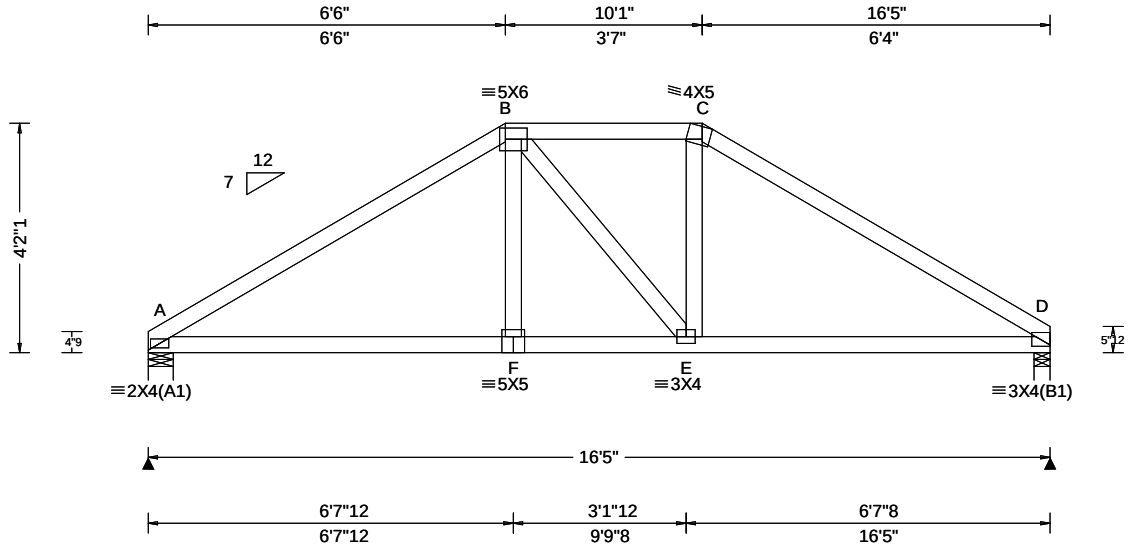
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9493 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** G08	Cust: R 215 JRef:1X8V2150010 T109 DrwNo: 259.21.1157.36248 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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): 0.013	F	999	240
VERT(CL): 0.027	F	999	180
HORZ(LL): 0.008	D	-	-
HORZ(TL): 0.016	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.496
Max BC CSI: 0.426
Max Web CSI: 0.077

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	683	/-	/-	/387	/2	/83
D	682	/-	/-	/384	/1	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 Min Req = 1.5
D Brg Width = 3.5 Min Req = 1.5
Bearings A & D 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	298	-929	C - D	294	-916
B - C	294	-714			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - F	721	-194	E - D	706	-178
F - E	725	-192			

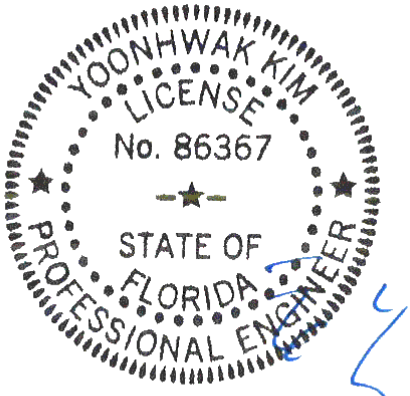
Lumber

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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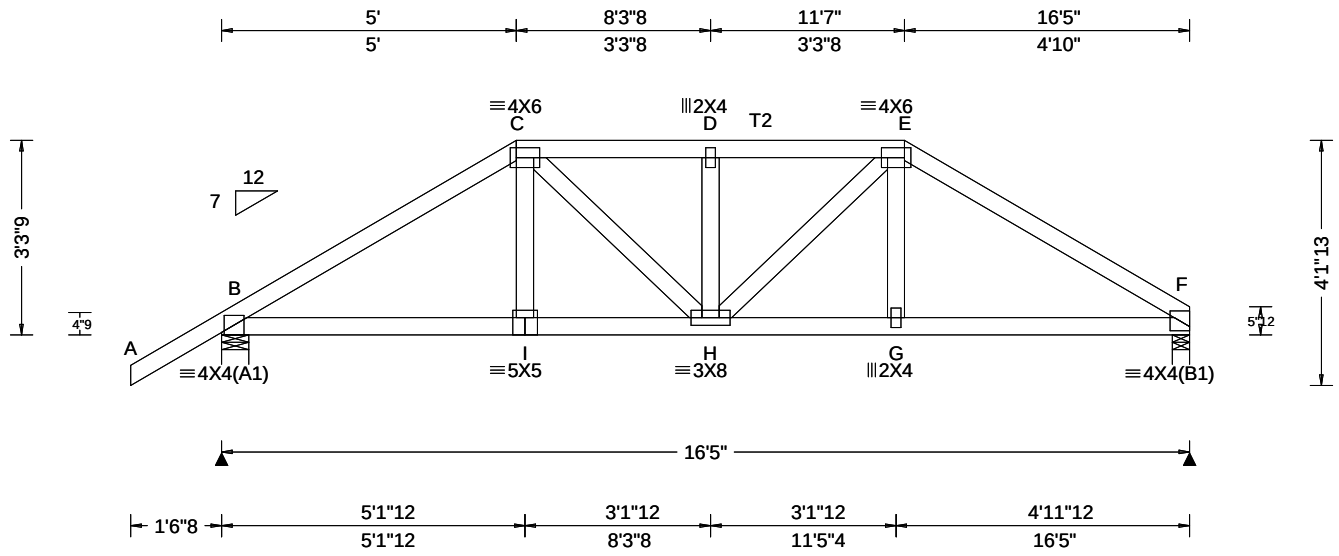
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396621 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** G09	Cust: R 215 JRef:1X8V2150010 T3 / DrwNo: 259.21.1157.38498 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.056	D	999	240
VERT(CL): 0.111	D	999	180
HORZ(LL): 0.025	F	-	-
HORZ(TL): 0.050	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.468
Max BC CSI: 0.820
Max Web CSI: 0.203

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1441	/-	/-	/-	/217	/-
F	1453	/-	/-	/-	/210	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.7
F Brg Width = 3.5 Min Req = 1.7
Bearings B & 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.
B - C	326	- 2165	D - E	327	- 2097
C - D	327	- 2097	E - F	325	- 2042

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1790	- 260	H - G	1701	- 258
I - H	1812	- 258	G - F	1688	- 260

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - I	449	0	D - H	168	- 399
C - H	385	- 93	H - E	534	- 94

Lumber

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

Special Loads

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

TC: From	63 plf at	-1.54 to	63 plf at	5.00
TC: From	32 plf at	5.00 to	32 plf at	11.58
TC: From	63 plf at	11.58 to	63 plf at	16.42
BC: From	5 plf at	-1.54 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	5.15
BC: From	10 plf at	5.15 to	10 plf at	16.42

TC: 129 lb Conc. Load at 5.06, 7.06, 8.29, 9.54 11.54
BC: 388 lb Conc. Load at 5.03
BC: 90 lb Conc. Load at 7.06, 8.29, 9.54,11.54
BC: 175 lb Conc. Load at 13.54,15.54

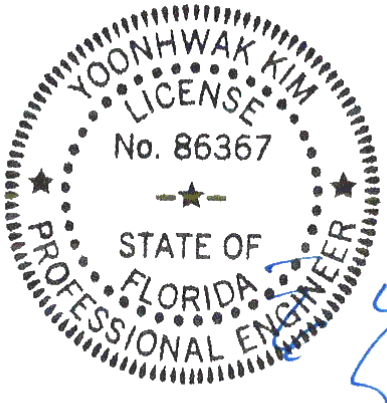
Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-3-9.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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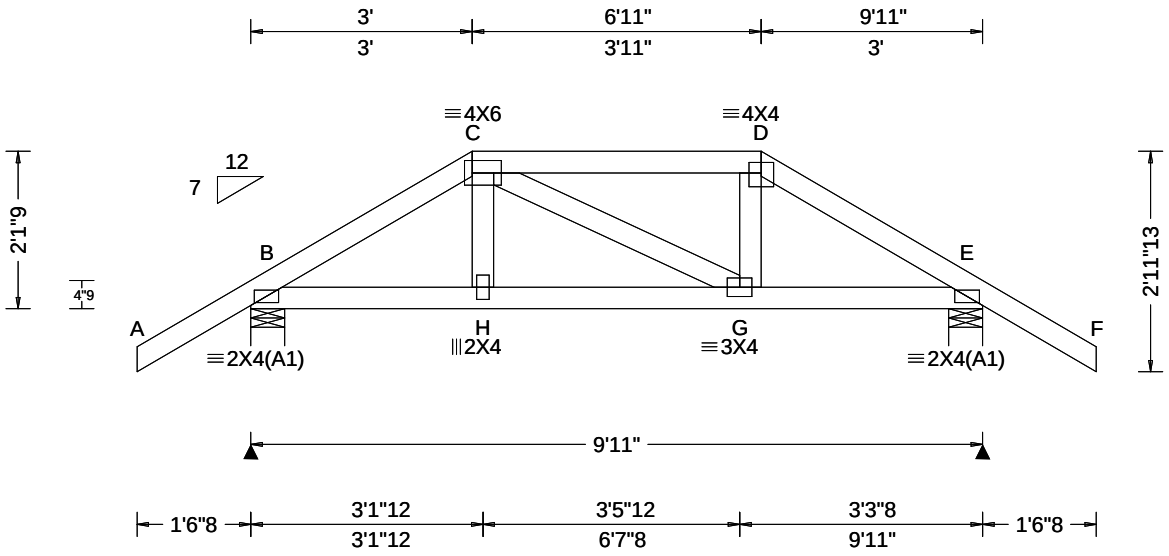
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396619 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** H01	Cust: R 215 JRef:1X8V2150010 T87 / DrwNo: 259.21.1157.39326 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 16.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.010 G	999	240
VERT(CL):	0.019 G	999	180
HORZ(LL):	0.005 E	-	-
HORZ(TL):	0.011 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.198
Max BC CSI: 0.224
Max Web CSI: 0.034

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	501	/-	/-	/-	/76	/-
E	501	/-	/-	/-	/76	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
E Brg Width = 5.5 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	89	-636	D - E	91	-635
C - D	64	-531			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	518	-69	G - E	517	-71
H - G	524	-66			

Lumber

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

Special Loads

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

TC: From	42 plf at	-1.54 to	42 plf at	3.00
TC: From	21 plf at	3.00 to	21 plf at	6.92
TC: From	42 plf at	6.92 to	42 plf at	11.46
BC: From	3 plf at	-1.54 to	3 plf at	0.00
BC: From	13 plf at	0.00 to	13 plf at	3.03
BC: From	7 plf at	3.03 to	7 plf at	6.89
BC: From	13 plf at	6.89 to	13 plf at	9.92
BC: From	3 plf at	9.92 to	3 plf at	11.46

TC: 93 lb Conc. Load at 3.03, 6.89
TC: 41 lb Conc. Load at 4.40, 5.52
BC: 42 lb Conc. Load at 3.03, 6.89
BC: 33 lb Conc. Load at 4.40, 5.52

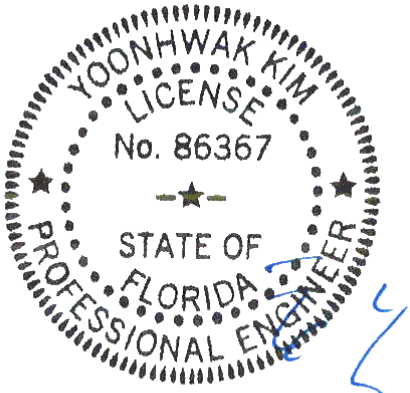
Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 2-1-9.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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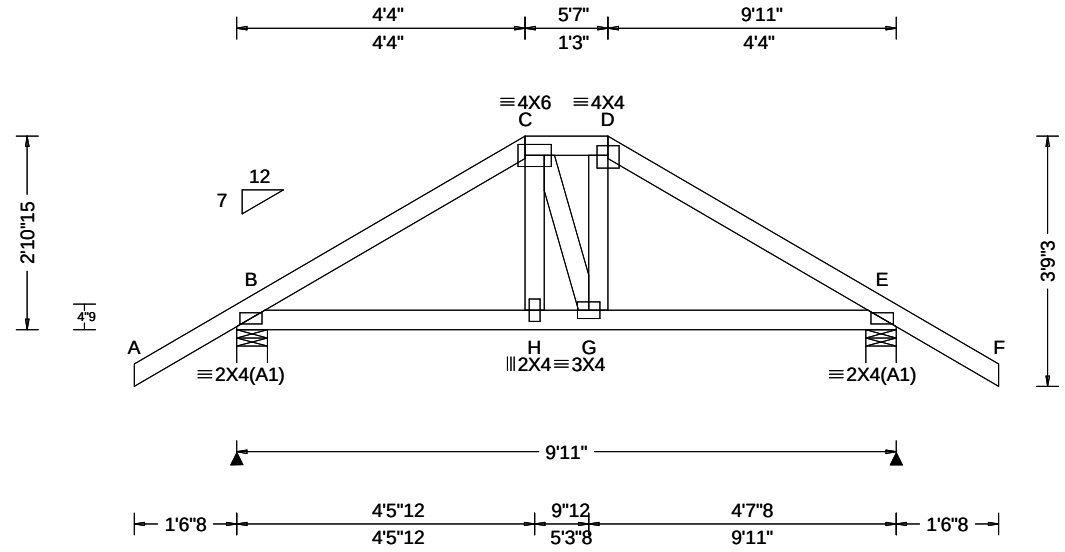
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 16654 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** H02	Cust: R 215 JRef:1X8V2150010 T74 / DrwNo: 259.21.1157.38811 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 16.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 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 7th Ed. 2020 Res. HVHZ
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): 0.004	H	999	240
VERT(CL): 0.008	H	999	180
HORZ(LL): 0.002	E	-	-
HORZ(TL): 0.003	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.123
Max BC CSI: 0.118
Max Web CSI: 0.026

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	345	/-	/-	/212	/41	/63
E	345	/-	/-	/212	/41	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
E Brg Width = 5.5 Min Req = 1.5
Bearings B & E are a rigid surface.
Members not listed have forces less than 375#

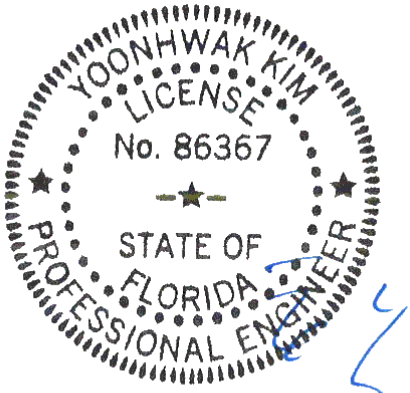
Lumber

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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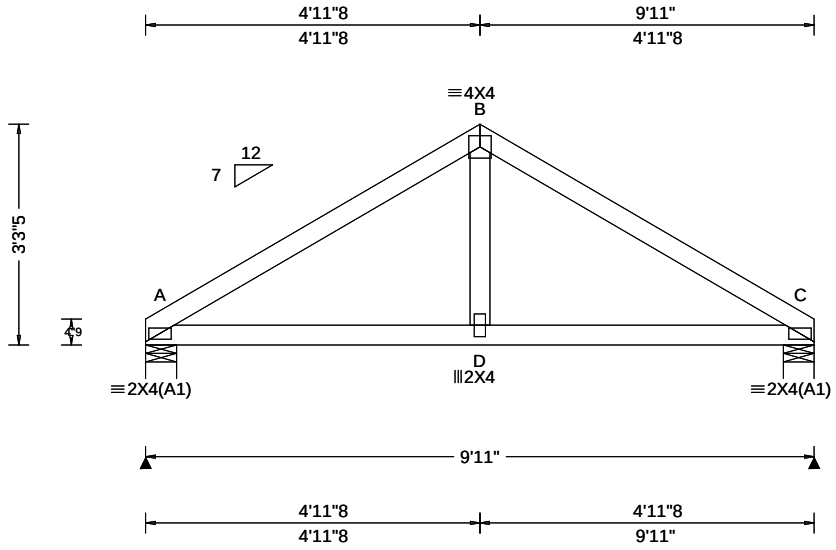
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 16656 / COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** H03	Cust: R 215 JRef:1X8V2150010 T70 / DrwNo: 259.21.1157.38842 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 16.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 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 7th Ed. 2020 Res. HVHZ
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): 0.003	D	999	240
VERT(CL): 0.006	D	999	180
HORZ(LL): 0.002	C	-	-
HORZ(TL): 0.003	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.154
Max BC CSI: 0.163
Max Web CSI: 0.055

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	275	/-	/-	/156	/27	/42
C	275	/-	/-	/156	/27	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 Min Req = 1.5
C Brg Width = 5.5 Min Req = 1.5
Bearings A & C are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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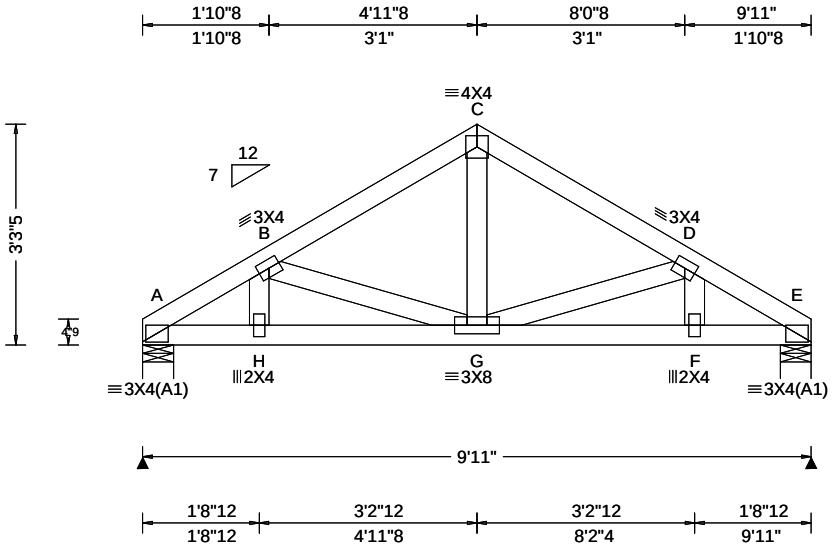
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 16665 / COMN FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** H04	Cust: R 215 JRef:1X8V2150010 T55 / DrwNo: 259.21.1157.38936 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 16.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.016	G	999	240
VERT(CL): 0.032	G	999	180
HORZ(LL): 0.007	E	-	-
HORZ(TL): 0.014	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.141
Max BC CSI: 0.582
Max Web CSI: 0.239

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	722	/-	/-	/14	/-	/-
E	681	/-	/-	/10	/-	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 Min Req = 1.5
E Brg Width = 5.5 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	0	-1157	C - D	0	-818
B - C	0	-817	D - E	0	-1120

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	964	0	G - F	919	0
H - G	949	0	F - E	932	0

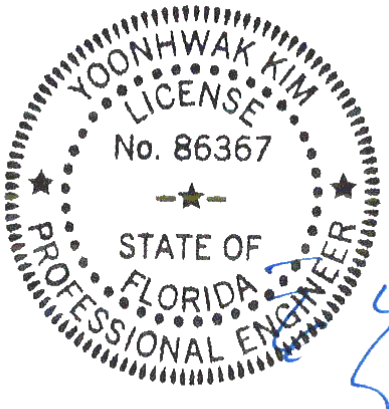
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - G	627	0

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

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 42 plf at 0.00 to 42 plf at 9.92
BC: From 13 plf at 0.00 to 13 plf at 9.92
BC: 213 lb Conc. Load at 1.73, 3.73, 5.73, 7.73

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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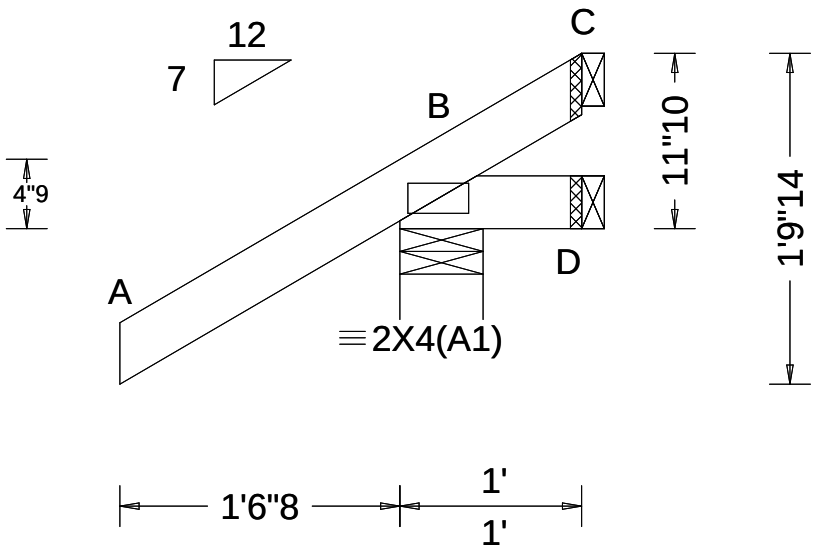
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9681 / JACK FROM:	Ply: 1 Qty: 22	**Job Number:** 21-5856 Shelley **Truss Label:** J01	Cust: R 215 JRef:1X8V2150010 T9 / DrwNo: 259.21.1157.37843 / YK 09/16/2021



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to 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 7th Ed. 2020 Res. HVHZ 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 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.216 Max BC CSI: 0.035 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	265	/-	/-	/197	/48	/38
D	5	/-17	/-	/12	/13	/-
C	-	/-60	/-	/30	/53	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

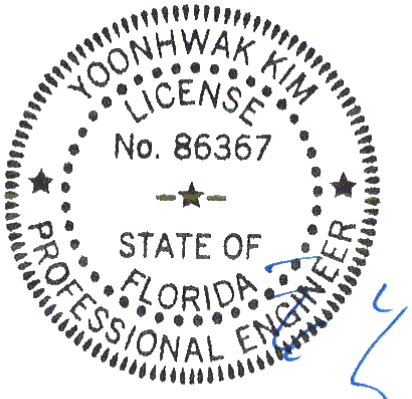
Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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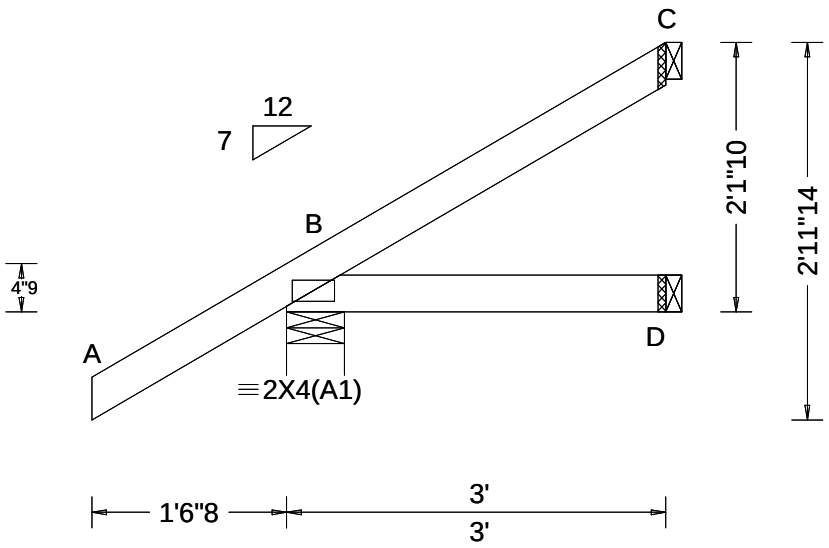
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9431 / JACK FROM:	Ply: 1 Qty: 16	**Job Number:** 21-5856 Shelley **Truss Label:** J02	Cust: R 215 JRef:1X8V2150010 T14 / DrwNo: 259.21.1157.37218 / YK 09/16/2021



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: 10.00	Speed: 120 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 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.216
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.066
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: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	269	/-	/-	/184	/23	/73
D	50	/-	/-	/31	/-	/-
C	62	/-	/-	/35	/31	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

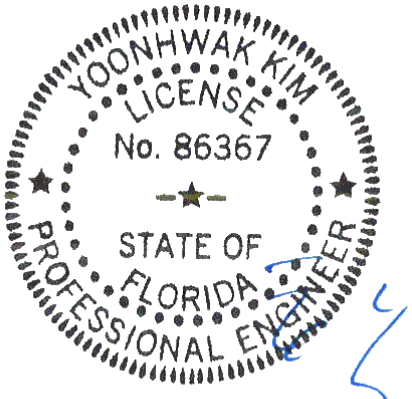
Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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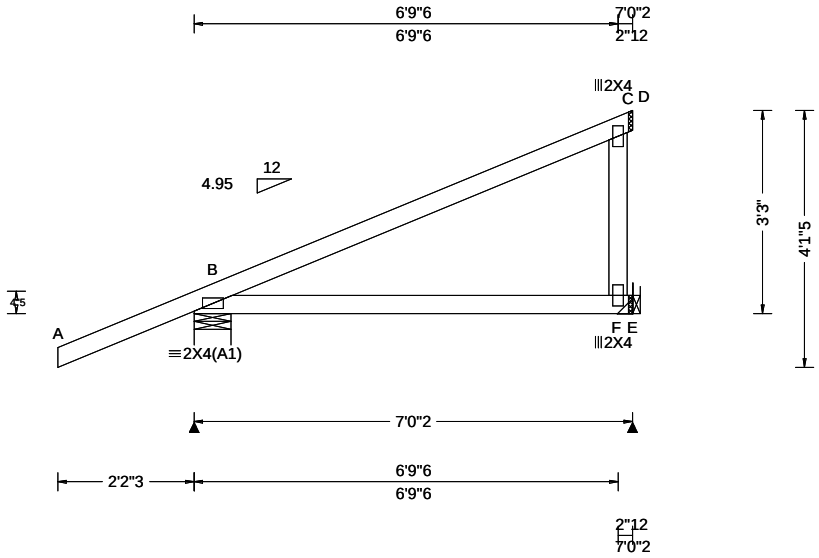
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396597 / HIP_ FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J02HJ	Cust: R 215 JRef:1X8V2150010 T122 DrwNo: 259.21.1157.39264 / YK 09/16/2021



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to 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 7th Ed. 2020 Res. HVHZ
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): NA			
VERT(CL): NA			
HORZ(LL): 0.005	B	-	-
HORZ(TL): 0.011	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.586
Max BC CSI: 0.254
Max Web CSI: 0.189

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	311	/-	/-	/-	/48	/-
E	292	/-	/-	/-	/27	/-

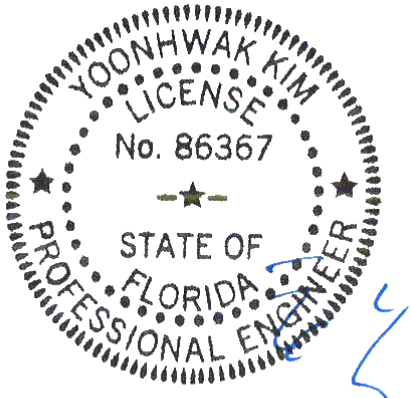
Wind reactions based on MWFRS
B Brg Width = 7.1 Min Req = 1.5
E Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

Loading
Hipjack supports 4-11-8 setback 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.

Additional Notes
The overall height of this truss excluding overhang is 3-3-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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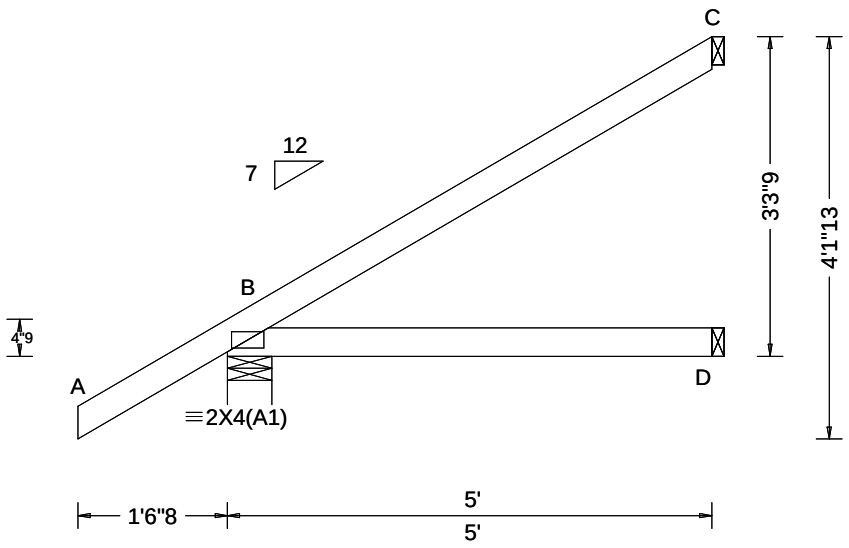
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 16688 / EJAC FROM:	Ply: 1 Qty: 27	**Job Number:** 21-5856 Shelley **Truss Label:** J03	Cust: R 215 JRef:1X8V2150010 T7 DrwNo: 259.21.1157.35812 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 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 7th Ed. 2020 Res. HVHZ
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):	NA		
VERT(CL):	NA		
HORZ(LL):	0.004 B	-	-
HORZ(TL):	0.007 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.318
Max BC CSI: 0.238
Max Web CSI: 0.000

VIEW Ver: 21.01.01A.0521.20

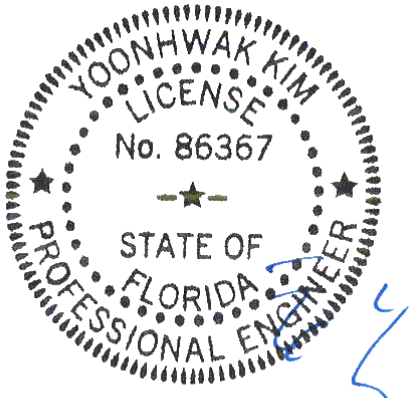
▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	338	/-	/-	/223	/18	/109
D	90	/-	/-	/51	/-	/-
C	129	/-	/-	/78	/58	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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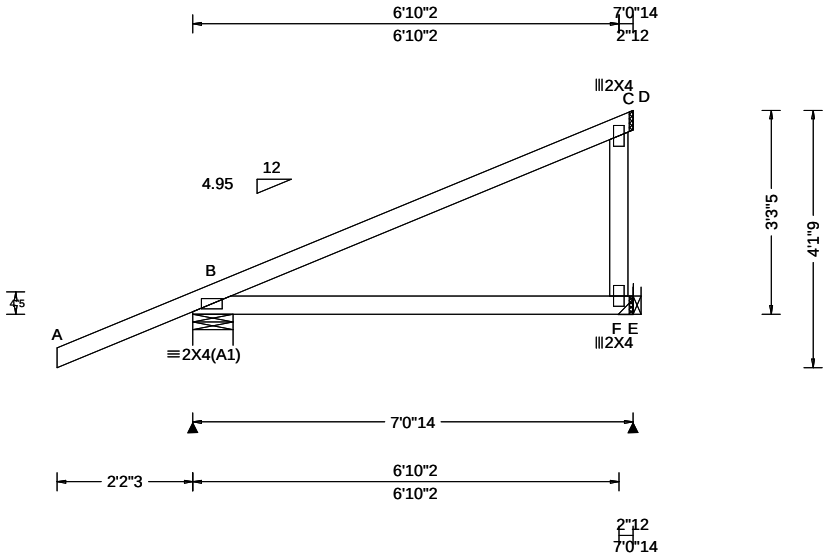
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396599 / HIP_ FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J03HJ	Cust: R 215 JRef:1X8V2150010 T115 / DrwNo: 259.21.1157.39107 / YK 09/16/2021



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: 10.00	Speed: 120 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 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.011 B - -
NCBCLL: 0.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.605
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.263
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: No	Max Web CSI: 0.197
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	313	/-	/-	/-	/48	/-
E	298	/-	/-	/-	/28	/-

Wind reactions based on MWFRS
B Brg Width = 7.8 Min Req = 1.5
E Brg Width = - 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;
Webs: 2x4 SP #3;

Loading

Hipjack supports 5-0-0 setback jacks with no webs.

Wind

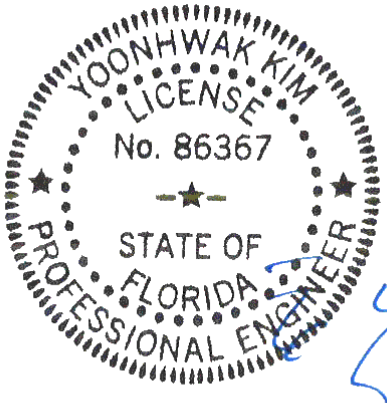
Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-3-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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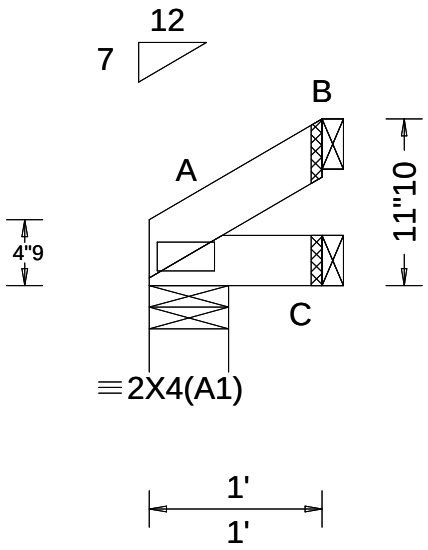
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9414 / JACK FROM:	Ply: 1 Qty: 3	**Job Number:** 21-5856 Shelley **Truss Label:** J04	Cust: R 215 JRef:1X8V2150010 T5 / DrwNo: 259.21.1157.37842 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
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 7th Ed. 2020 Res. HVHZ
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): NA
VERT(CL): NA
HORZ(LL): 0.000 A - -
HORZ(TL): 0.000 A - -
Creep Factor: 2.0
Max TC CSI: 0.012
Max BC CSI: 0.006
Max Web CSI: 0.000

VIEW Ver: 21.01.01A.0521.20

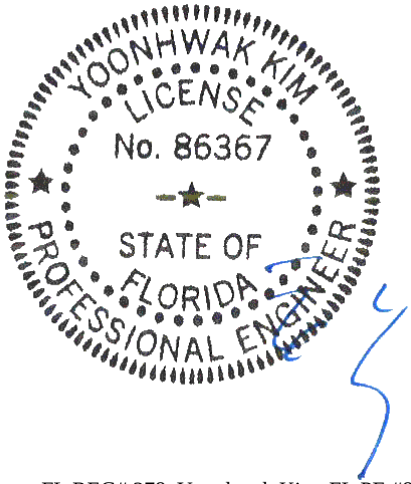
▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	49	/-	/-	/29	/-	/16
C	16	/-	/-	/10	/-	/-
B	24	/-	/-	/15	/11	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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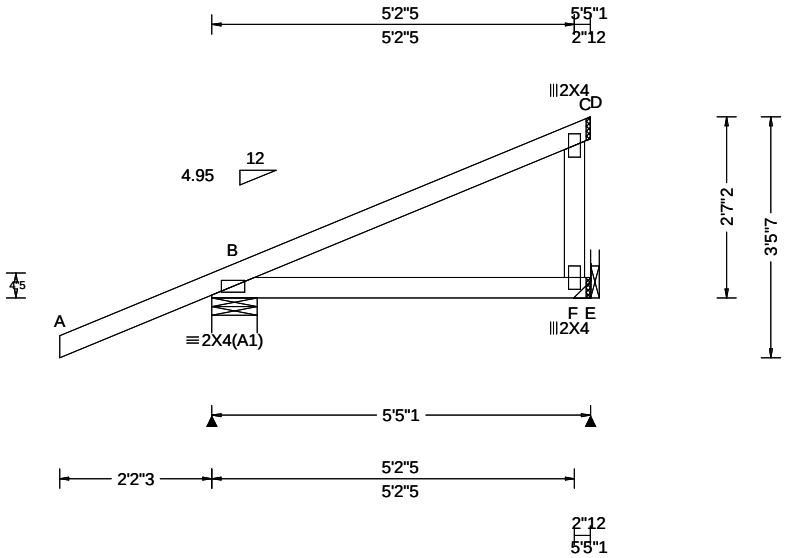
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396601 / HIP_ FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J04HJ	Cust: R 215 JRef:1X8V2150010 T92 / DrwNo: 259.21.1157.38640 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to 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 7th Ed. 2020 Res. HVHZ
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):	NA		
VERT(CL):	NA		
HORZ(LL):	0.001 B	-	-
HORZ(TL):	0.002 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.306
Max BC CSI: 0.089
Max Web CSI: 0.056

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	217	/-	/-	/-	/35	/-
E	162	/-	/-	/-	/14	/-

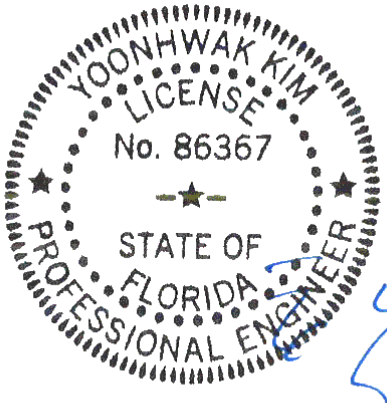
Wind reactions based on MWFRS
B Brg Width = 7.8 Min Req = 1.5
E Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

Loading
Hipjack supports 3-10-0 setback 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.

Additional Notes
The overall height of this truss excluding overhang is 2-7-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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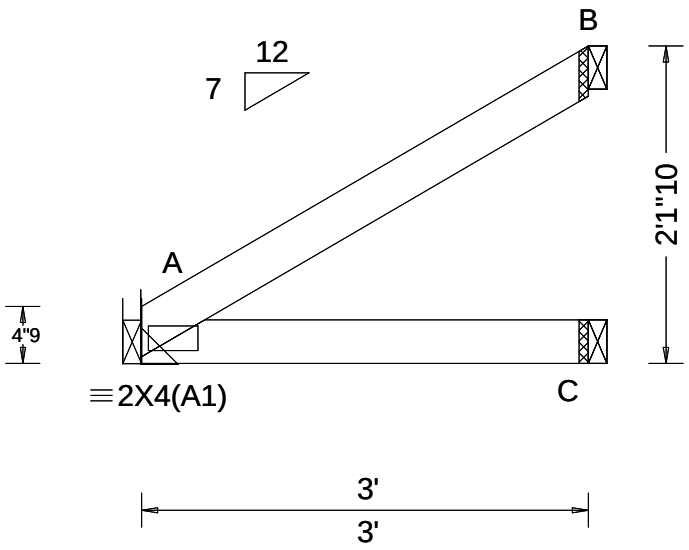
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9528 / JACK FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J05	Cust: R 215 JRef:1X8V2150010 T20 / DrwNo: 259.21.1157.35719 / YK 09/16/2021



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: 10.00	Speed: 120 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 A - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 A - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.119
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.082
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: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	130	/-	/-	/78	/-	/51
C	55	/-	/-	/32	/-	/-
B	83	/-	/-	/52	/36	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 Min Req = -
Members not listed have forces less than 375#

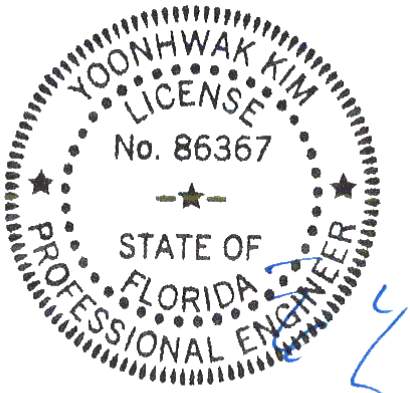
Lumber

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.



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09/16/2021

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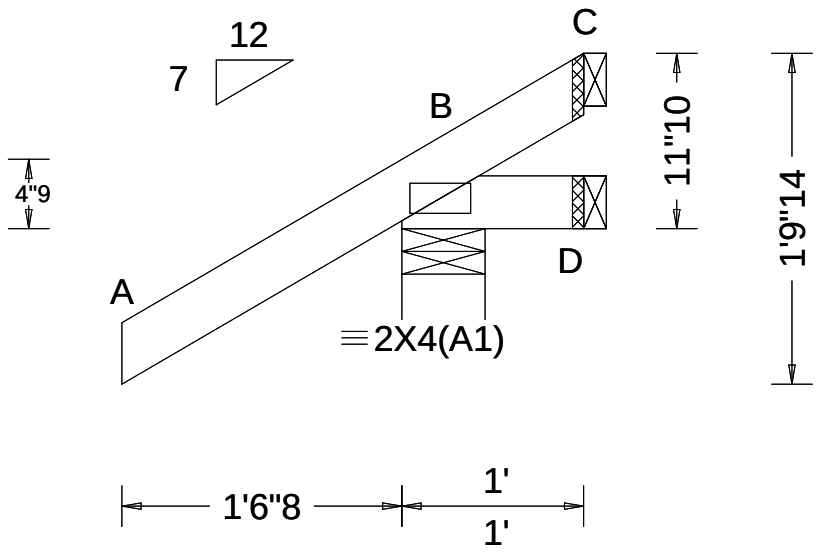
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 16646 / JACK FROM:	Ply: 1 Qty: 4	**Job Number:** 21-5856 Shelley **Truss Label:** J06	Cust: R 215 JRef:1X8V2150010 T118 DrwNo: 259.21.1157.38577 / YK 09/16/2021



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 16.0 "	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to 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 7th Ed. 2020 Res. HVHZ 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 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.144 Max BC CSI: 0.023 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	177	/-	/-	/132	/32	/26
D	3	/-11	/-	/8	/9	/-
C	-	/-40	/-	/20	/36	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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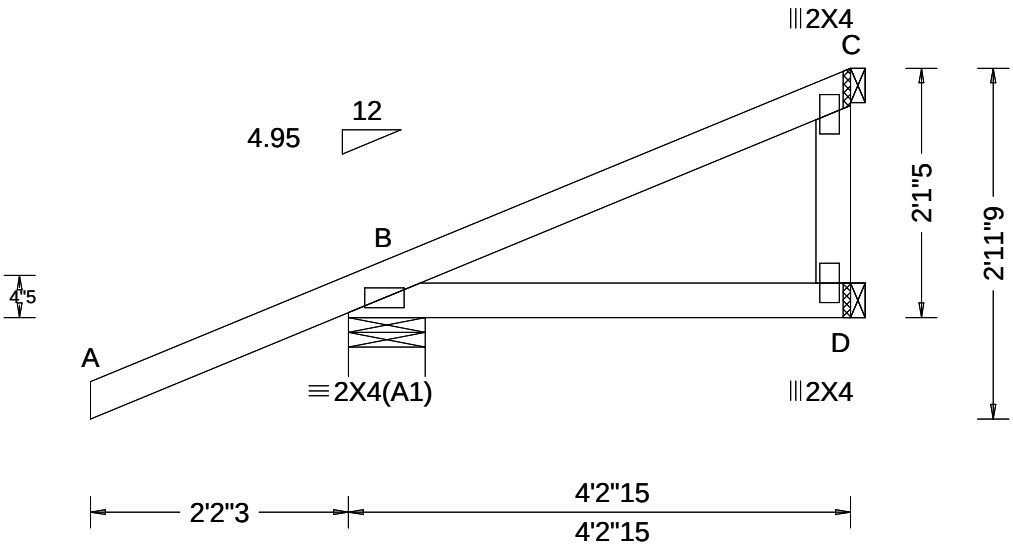
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396603 / HIP_ FROM:	Ply: 1 Qty: 2	**Job Number:** 21-5856 Shelley **Truss Label:** J06HJ	Cust: R 215 JRef:1X8V2150010 T61 / DrwNo: 259.21.1157.38623 / YK 09/16/2021



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 16.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to 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 7th Ed. 2020 Res. HVHZ
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): NA			
VERT(CL): NA			
HORZ(LL): -0.002	B	-	-
HORZ(TL): 0.004	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.458
Max BC CSI: 0.153
Max Web CSI: 0.007

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	233	/-	/-	/-	/42	/-
D	9	/-	/-	/15	/-	/-
C	52	/-	/-	/-	/16	/-

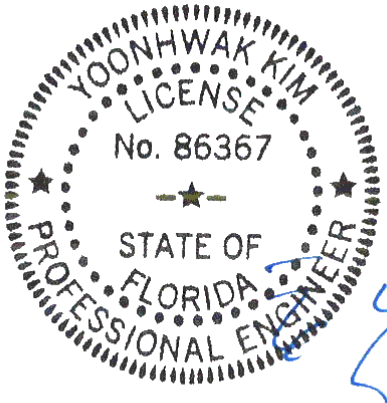
Wind reactions based on MWFRS
B Brg Width = 7.8 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

Loading
Hipjack supports 3-0-0 setback 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.

Additional Notes
The overall height of this truss excluding overhang is 2-1-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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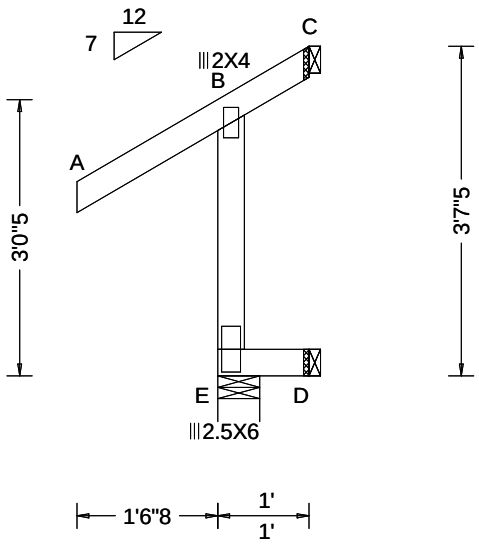
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9469 / JACK FROM:	Ply: 1 Qty: 3	**Job Number:** 21-5856 Shelley **Truss Label:** J07	Cust: R 215 JRef:1X8V2150010 T68 / DrwNo: 259.21.1157.36156 / YK 09/16/2021



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: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B - -
NCBCLL: 10.00	Mean Height: 16.87 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.222
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.010
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.114
	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: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	227	/-	/-	/189	/69	/-
D	20	/-	/-	/10	/-	/-
C	-	/-49	/-	/47	/67	/41

Wind reactions based on MWFRS
E Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E is a rigid surface.
Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - E	382	-217

Lumber

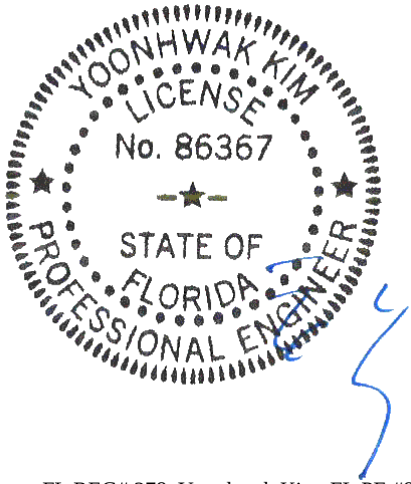
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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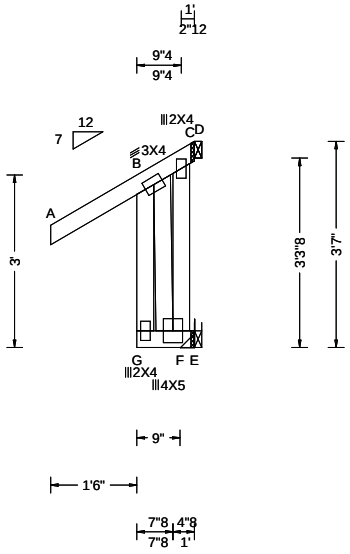
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 10228 / JACK FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J08	Cust: R 215 JRef:1X8V2150010 T67 / DrwNo: 259.21.1157.36843 / YK 09/16/2021



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 16.85 ft
TCDL: 5.0 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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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): 0.000	G	999	240
VERT(CL): 0.001	G	999	180
HORZ(LL): 0.000	B	-	-
HORZ(TL): 0.000	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.209
Max BC CSI: 0.008
Max Web CSI: 0.099

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

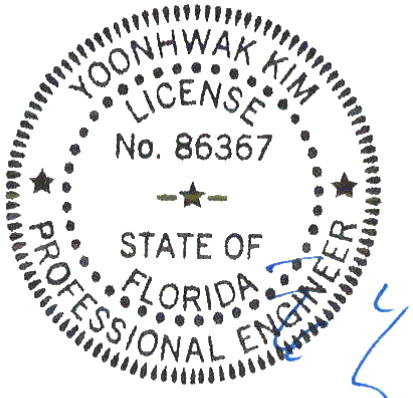
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	185	/-	/62	/143	/26	/55
C	-	/-	/62	/-	/-	/33

Wind reactions based on MWFRS
E Brg Width = - Min Req = -
C Brg Width = 1.5 Min Req = -
Members not listed have forces less than 375#

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
***** BEARING ANALOG MODIFIED! *****



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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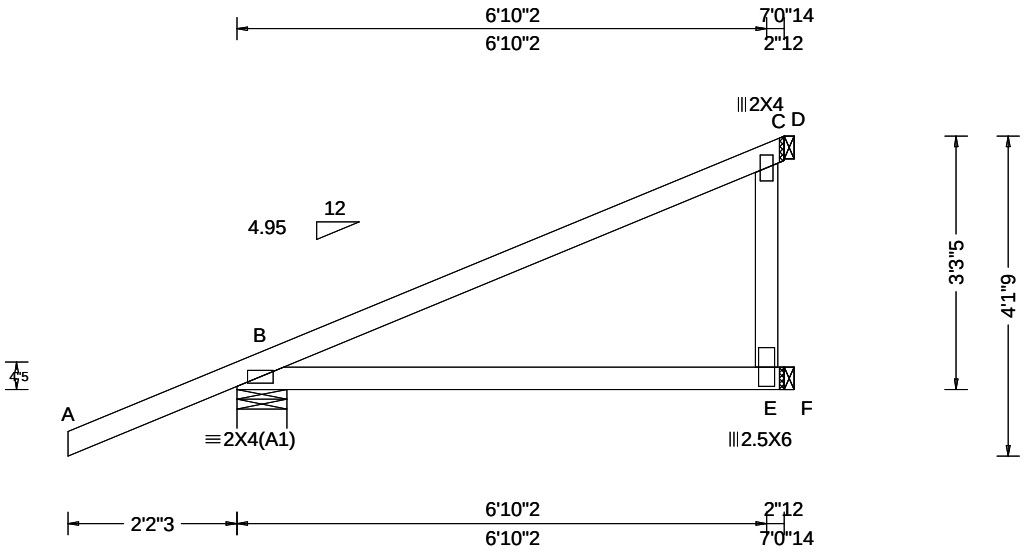
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396605 / HIP_ FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J08HJ	Cust: R 215 JRef:1X8V2150010 T45 / DrwNo: 259.21.1157.38686 / YK 09/16/2021



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: 10.00	Speed: 120 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 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.012 B - -
NCBCLL: 0.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.595
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.301
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: No	Max Web CSI: 0.195
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	317	/-	/-	/-	/48	/-
E	442	/-	/-	/-	/205	/-
C	-	/-147	/-	/178	/-	/-

Wind reactions based on MWFRS
B Brg Width = 7.8 Min Req = 1.5
E 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;
Webs: 2x4 SP #3;

Loading

Hipjack supports 5-0-0 setback jacks with no webs.

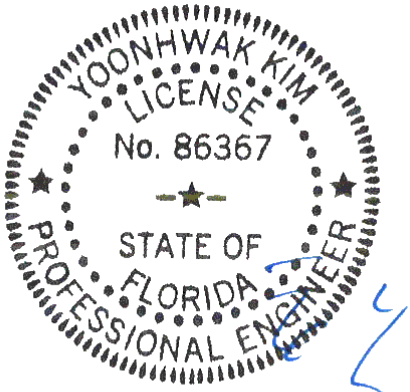
Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-3-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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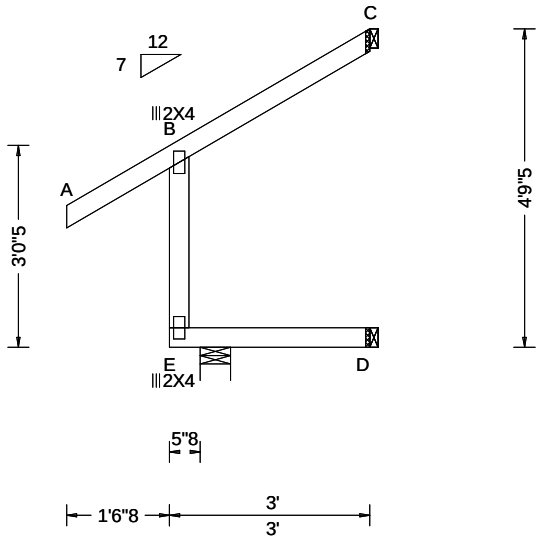
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9517 / JACK FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J09	Cust: R 215 JRef:1X8V2150010 T64 / DrwNo: 259.21.1157.36374 / YK 09/16/2021



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: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.016 B 509 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.031 B 261 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.018 B - -
NCBCLL: 10.00	Mean Height: 17.45 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.193
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.313
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.090
	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: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	332	/-	/-	/273	/97	/-
D	16	/-46	/-	/37	/32	/-
C	68	/-	/-	/41	/15	/81

Wind reactions based on MWFRS
E Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

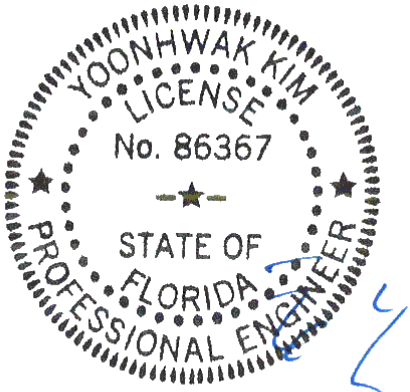
Wind

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

Left end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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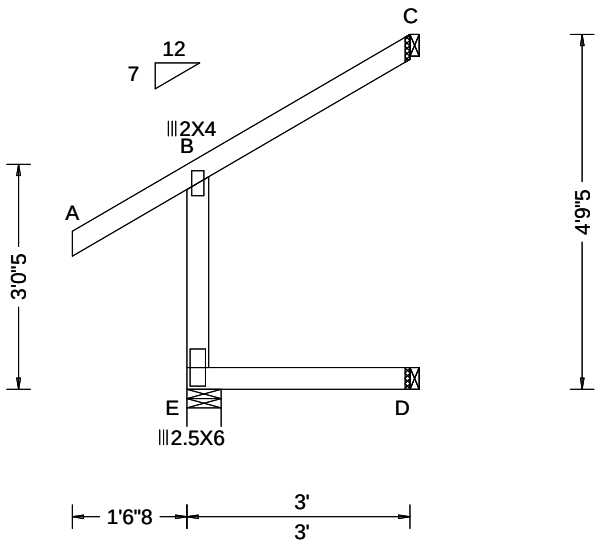
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9402 / JACK FROM:	Ply: 1 Qty: 2	**Job Number:** 21-5856 Shelley **Truss Label:** J10	Cust: R 215 JRef:1X8V2150010 T62 / DrwNo: 259.21.1157.35390 / YK 09/16/2021



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: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B - -
NCBCLL: 10.00	Mean Height: 17.45 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.251
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.098
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.111
	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: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	256	/-	/-	/204	/77	/-
D	60	/-	/-	/30	/-	/-
C	68	/-	/-	/41	/15	/81

Wind reactions based on MWFRS
E Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E is a rigid surface.
Members not listed have forces less than 375#

Lumber

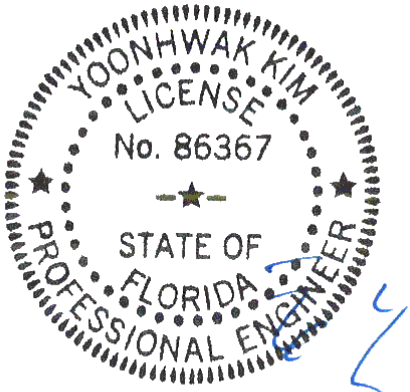
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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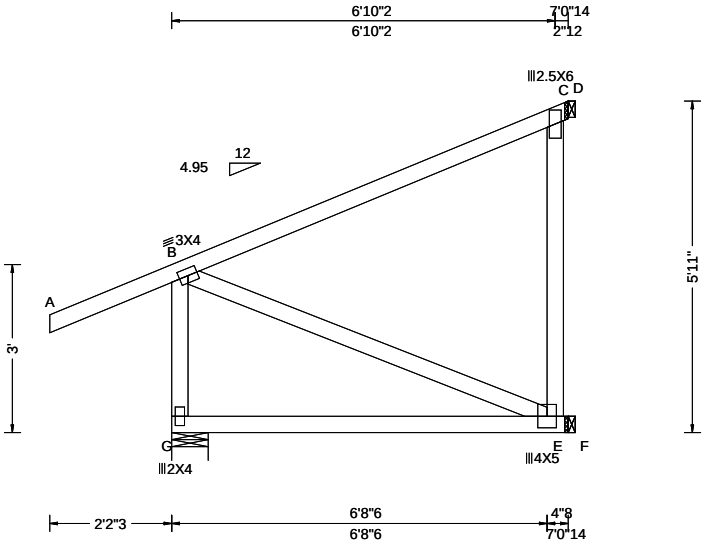
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396607 / HIP_ FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J10HJ	Cust: R 215 JRef:1X8V2150010 T83 / DrwNo: 259.21.1157.38514 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 18.01 ft
TCDL: 5.0 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 7th Ed. 2020 Res. HVHZ
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): 0.005	C	999	240
VERT(CL): 0.011	C	999	180
HORZ(LL): 0.003	C	-	-
HORZ(TL): 0.006	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.702
Max BC CSI: 0.335
Max Web CSI: 0.218

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	310	/-	/-	/-	/61	/-
E	436	/-	/-	/-	/284	/-
C	-	/-135	/-	/243	/-	/-

Wind reactions based on MWFRS
G Brg Width = 7.8 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing G is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Loading

Hipjack supports 5-0-0 setback jacks with no webs.

Wind

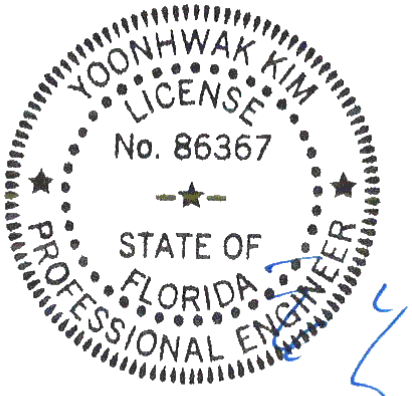
Wind loads and reactions based on MWFRS.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-11-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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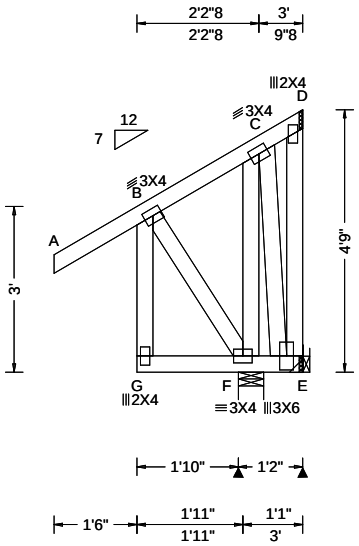
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9849 / JACK FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J11	Cust: R 215 JRef:1X8V2150010 T65 / DrwNo: 259.21.1157.37827 / YK 09/16/2021



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: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.006 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.012 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.012 D - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.023 D - -
NCBCLL: 10.00	Mean Height: 17.44 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.177
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.068
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.161
	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: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
F	697	/-	/-	/490	/42	/80
E	-	/-367	/-	/30	/250	/-

Wind reactions based on MWFRS
F Brg Width = 5.5 Min Req = 1.5
E Brg Width = - Min Req = -
Bearing F is a rigid surface.
Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
F - C	0	-483

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.

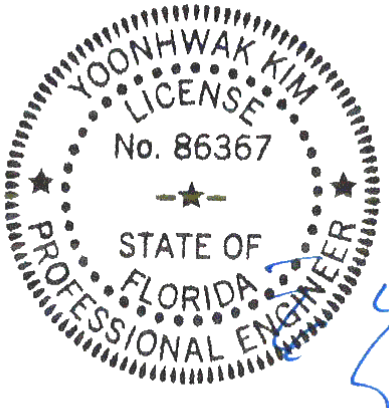
End verticals not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -367# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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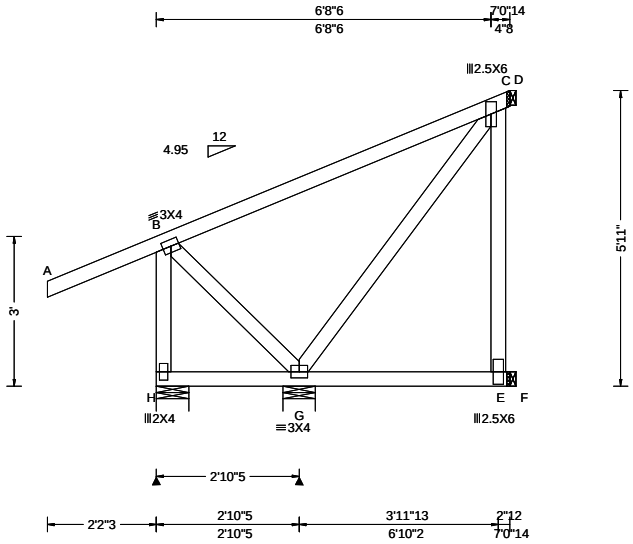
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396609 / HIP_ FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J11HJ	Cust: R 215 JRef:1X8V2150010 T33 / DrwNo: 259.21.1157.38123 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 18.01 ft
TCDL: 5.0 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 7th Ed. 2020 Res. HVHZ
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): 0.004	C	999	240
VERT(CL): 0.009	C	999	180
HORZ(LL): 0.003	C	-	-
HORZ(TL): 0.007	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.674
Max BC CSI: 0.181
Max Web CSI: 0.322

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	61	/-	/-	/-	/14	/-
G	418	/-	/-	/-	/80	/-
E	564	/-	/-	/-	/218	/-
C	-	/-432	/-	/210	/-	/-

Wind reactions based on MWFRS
H Brg Width = 7.8 Min Req = 1.5
G Brg Width = 7.8 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearings H & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

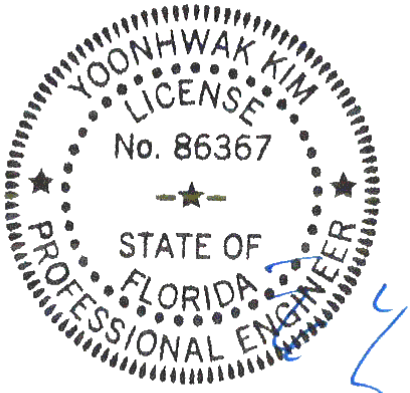
Webs	Tens.	Comp.
C - F	249	-529

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

Loading
Hipjack supports 5-0-0 setback jacks with no webs.

Wind
Wind loads and reactions based on MWFRS.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
Negative reaction(s) of -432# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.
The overall height of this truss excluding overhang is 5-11-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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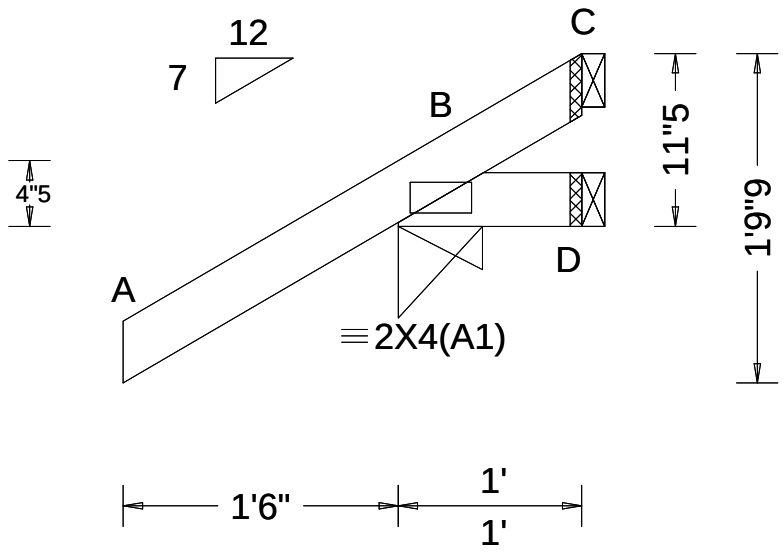
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9501 / JACK FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J12	Cust: R 215 JRef:1X8V2150010 T73 / DrwNo: 259.21.1157.37561 / YK 09/16/2021



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: 10.00	Speed: 120 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): -0.000 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.203
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.032
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: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	257	/-	/-	/191	/46	/38
D	5	/-17	/-	/13	/13	/-
C	-	/-55	/-	/28	/49	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

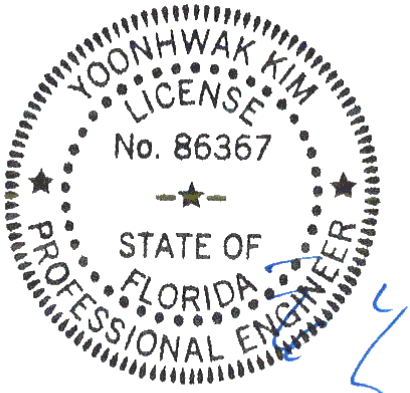
Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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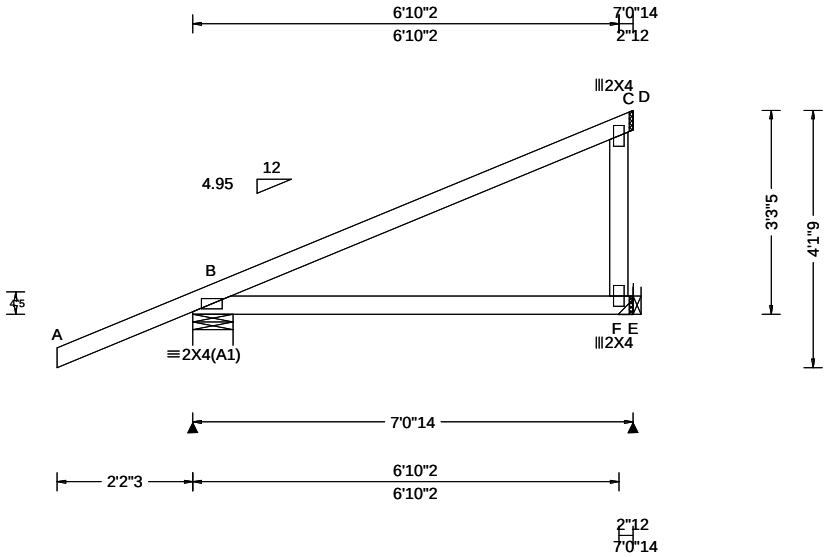
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396611 / HIP_ FROM:	Ply: 1 Qty: 6	**Job Number:** 21-5856 Shelley **Truss Label:** J12HJ	Cust: R 215 JRef:1X8V2150010 T69 DrwNo: 259.21.1157.38937 / YK 09/16/2021



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: 10.00	Speed: 120 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 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.011 B - -
NCBCLL: 0.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.605
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.263
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: No	Max Web CSI: 0.197
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	313	/-	/-	/-	/48	/-
E	298	/-	/-	/-	/28	/-

Wind reactions based on MWFRS
B Brg Width = 7.8 Min Req = 1.5
E Brg Width = - 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;
Webs: 2x4 SP #3;

Loading

Hipjack supports 5-0-0 setback jacks with no webs.

Wind

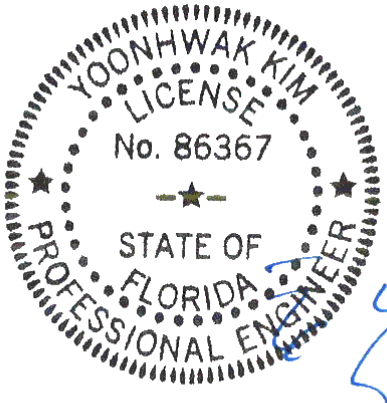
Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-3-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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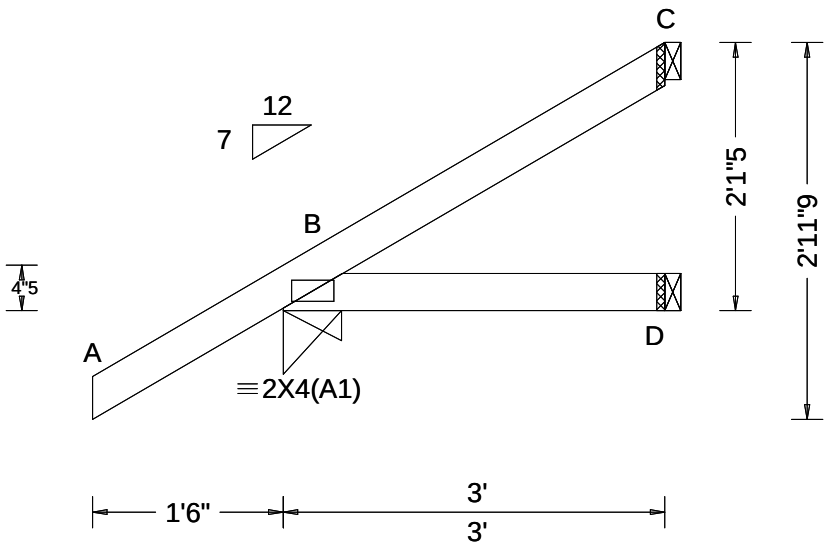
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9539 / JACK FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J13	Cust: R 215 JRef:1X8V2150010 T76 / DrwNo: 259.21.1157.35421 / YK 09/16/2021



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: 10.00	Speed: 120 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 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.163
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.065
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: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	265	/-	/-	/180	/22	/73
D	50	/-	/-	/31	/-	/-
C	63	/-	/-	/36	/31	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

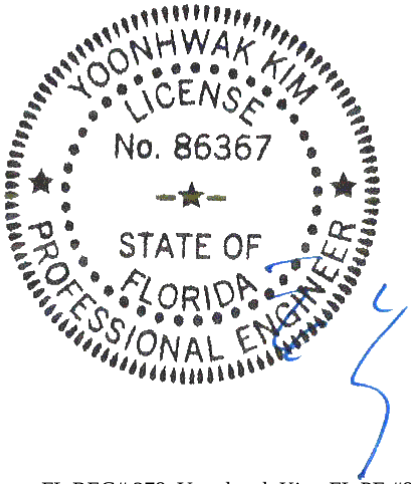
Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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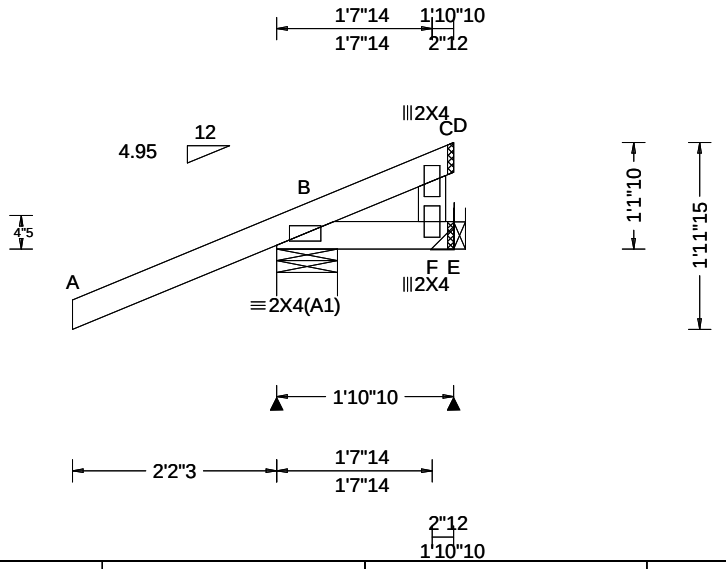
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396613 / HIP_ FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J13HJ	Cust: R 215 JRef:1X8V2150010 T25 / DrwNo: 259.21.1157.38265 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	NA		
VERT(CL):	NA		
HORZ(LL):	-0.000 B	-	-
HORZ(TL):	0.001 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.134
Max BC CSI: 0.020
Max Web CSI: 0.019

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	159	/-	/-	/-	/42	/-
E	52	/-	/-	/-	/67	/-

Wind reactions based on MWFRS
B Brg Width = 7.8 Min Req = 1.5
E Brg Width = - 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;
Webs: 2x4 SP #3;

Special Loads

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

TC: From	-0 plf at	-2.18 to	33 plf at	0.00
TC: From	35 plf at	0.00 to	64 plf at	1.89
BC: From	4 plf at	0.00 to	6 plf at	1.89

TC: -1 lb Conc. Load at 1.48
BC: 21 lb Conc. Load at 1.48

Wind

Wind loads and reactions based on MWFRS.

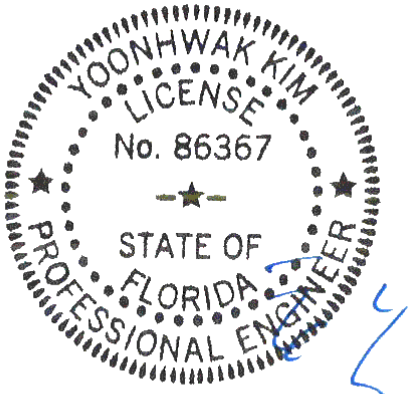
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-1-10.

WIND LOAD CASE MODIFIED!



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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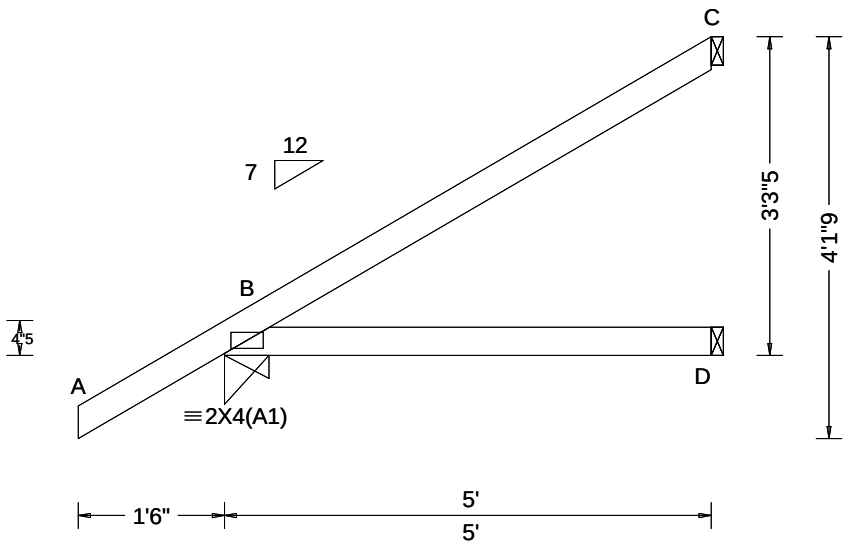
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 10126 / EJAC FROM:	Ply: 1 Qty: 7	**Job Number:** 21-5856 Shelley **Truss Label:** J14	Cust: R 215 JRef:1X8V2150010 T37 / DrwNo: 259.21.1157.35749 / YK 09/16/2021



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: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.008 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.319
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.237
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: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	335	/-	/-	/220	/17	/108
D	90	/-	/-	/51	/-	/-
C	129	/-	/-	/79	/57	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

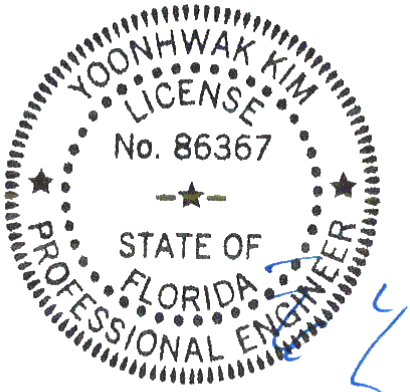
Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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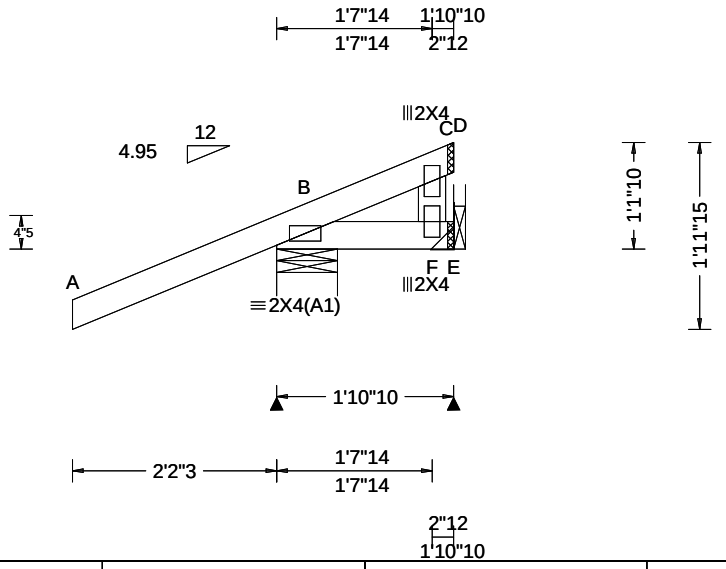
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396615 / HIP_ FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J14HJ	Cust: R 215 JRef:1X8V2150010 T17 / DrwNo: 259.21.1157.38406 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	NA		
VERT(CL):	NA		
HORZ(LL):	-0.000 B	-	-
HORZ(TL):	0.001 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.134
Max BC CSI: 0.020
Max Web CSI: 0.030

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	159	/-	/-	/-	/53	/-
E	14	/-	/-	/-	/113	/-

Wind reactions based on MWFRS
B Brg Width = 7.8 Min Req = 1.5
E Brg Width = - 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;
Webs: 2x4 SP #3;

Special Loads

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

TC: From	-0 plf at	-2.18 to	33 plf at	0.00
TC: From	35 plf at	0.00 to	64 plf at	1.89
BC: From	4 plf at	0.00 to	6 plf at	1.89

TC: -49 lb Conc. Load at 1.48
BC: 9 lb Conc. Load at 1.48

Wind

Wind loads and reactions based on MWFRS.

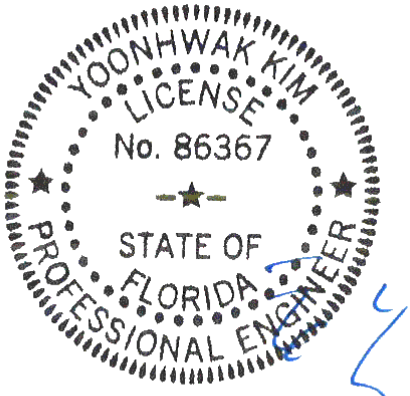
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-1-10.

WIND LOAD CASE MODIFIED!



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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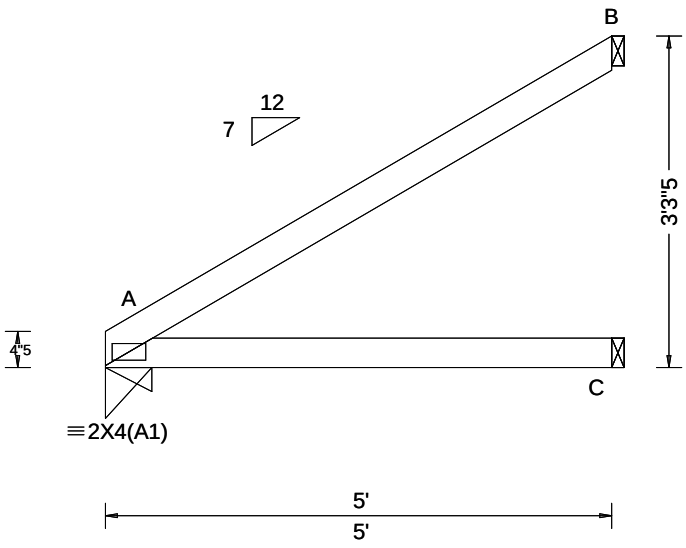
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9524 / EJAC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J15	Cust: R 215 JRef:1X8V2150010 T38 / DrwNo: 259.21.1157.35889 / YK 09/16/2021



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: 10.00	Speed: 120 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 A - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.012 A - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.371
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.256
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	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 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	214	/-	/-	/129	/-	/63
C	94	/-	/-	/55	/-	/-
B	140	/-	/-	/87	/36	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 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#

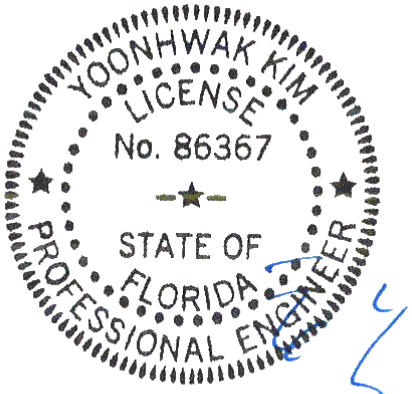
Lumber

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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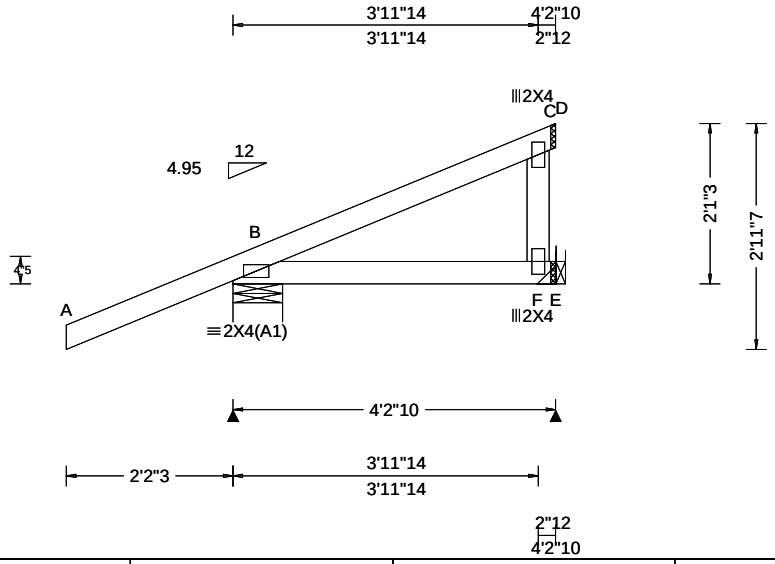
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396617 / HIP_ FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J15HJ	Cust: R 215 JRef:1X8V2150010 T138 DrwNo: 259.21.1157.39312 / YK 09/16/2021



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to 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 7th Ed. 2020 Res. HVHZ
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): NA
VERT(CL): NA
HORZ(LL): -0.002 B - -
HORZ(TL): 0.004 B - -
Creep Factor: 2.0
Max TC CSI: 0.439
Max BC CSI: 0.149
Max Web CSI: 0.010

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	226	/-	/-	/-	/41	/-
E	63	/-	/-	/-	/1	/-

Wind reactions based on MWFRS
B Brg Width = 7.8 Min Req = 1.5
E Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

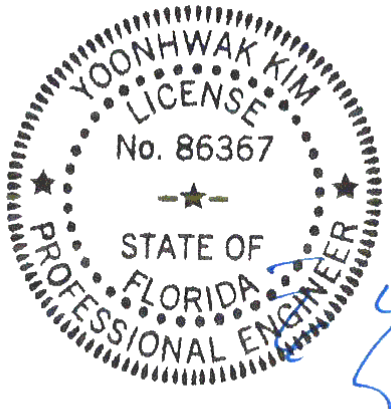
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Hangers / Ties
(J) Hanger Support Required, by others

Loading
Hipjack supports 2-11-13 setback 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.

Additional Notes
The overall height of this truss excluding overhang is 2-1-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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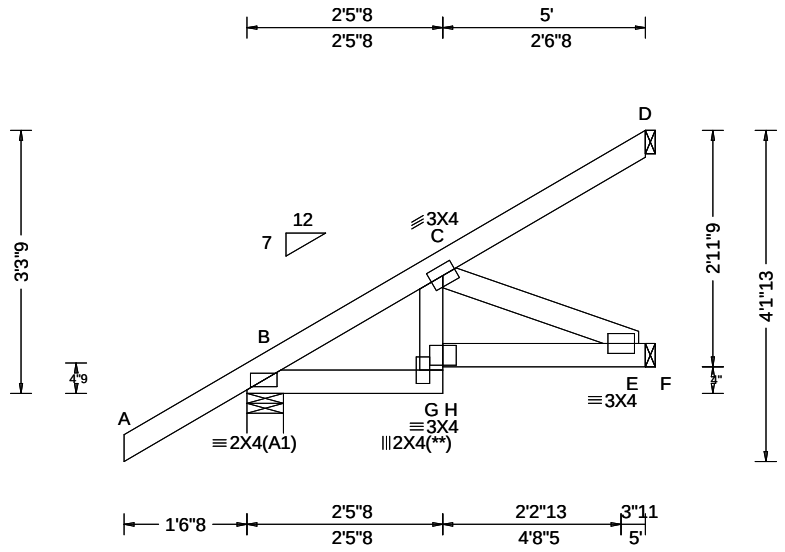
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9497 / EJAC FROM:	Ply: 1 Qty: 2	**Job Number:** 21-5856 Shelley **Truss Label:** J19	Cust: R 215 JRef:1X8V2150010 T100 DrwNo: 259.21.1157.35483 / YK 09/16/2021



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:	10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.004 G 999 240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.008 G 999 180
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 F - -
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.005 F - -
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.172
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.110
Spacing:	24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.178
		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: 21.01.01A.0521.20
		Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	338	/-	/-	/223	/18	/109
E	115	/-	/-	/80	/10	/-
D	76	/-	/-	/47	/32	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 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#

Lumber

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

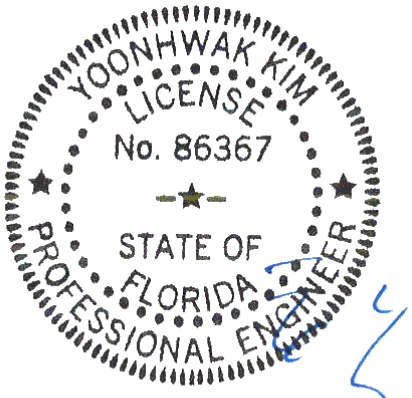
Plating Notes

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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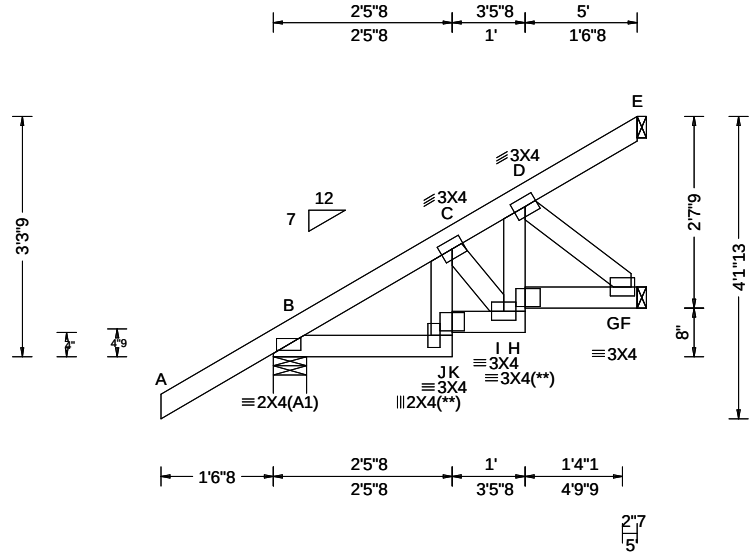
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 10270 / EJAC FROM:	Ply: 1 Qty: 4	**Job Number:** 21-5856 Shelley **Truss Label:** J20	Cust: R 215 JRef:1X8V2150010 T101 DrwNo: 259.21.1157.37748 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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 7th Ed. 2020 Res. HVHZ
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): 0.004	J	999	240
VERT(CL): 0.008	J	999	180
HORZ(LL): 0.003	G	-	-
HORZ(TL): 0.006	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.172
Max BC CSI: 0.069
Max Web CSI: 0.164

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	338	/-	/-	/223	/18	/109
F	133	/-	/-	/96	/22	/-
E	48	/-	/-	/30	/21	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
F Brg Width = 1.5 Min Req = -
E 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;
Webs: 2x4 SP #3;

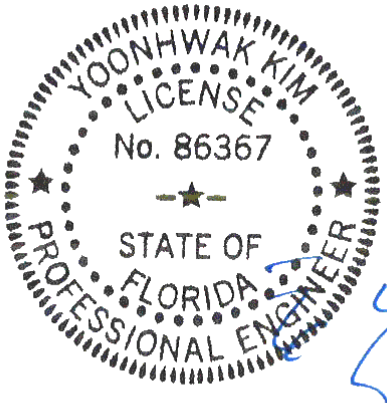
Plating Notes

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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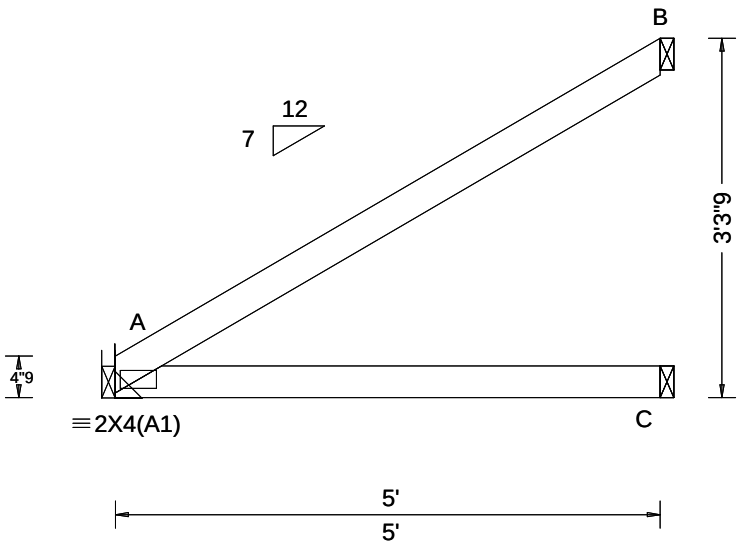
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 16660 / EJAC FROM:	Ply: 1 Qty: 4	**Job Number:** 21-5856 Shelley **Truss Label:** J21	Cust: R 215 JRef:1X8V2150010 T112 DrwNo: 259.21.1157.38188 / YK 09/16/2021



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: 10.00	Speed: 120 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 A - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.012 A - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.377
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.260
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	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 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	213	/-	/-	/129	/-	/63
C	94	/-	/-	/55	/-	/-
B	141	/-	/-	/88	/37	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 Min Req = -
Members not listed have forces less than 375#

Lumber

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

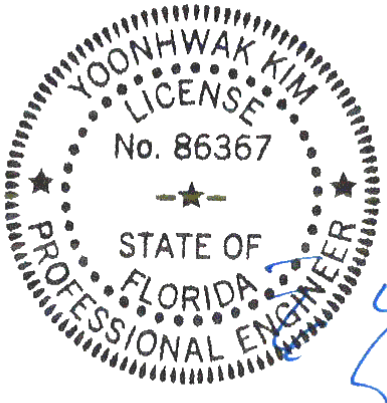
Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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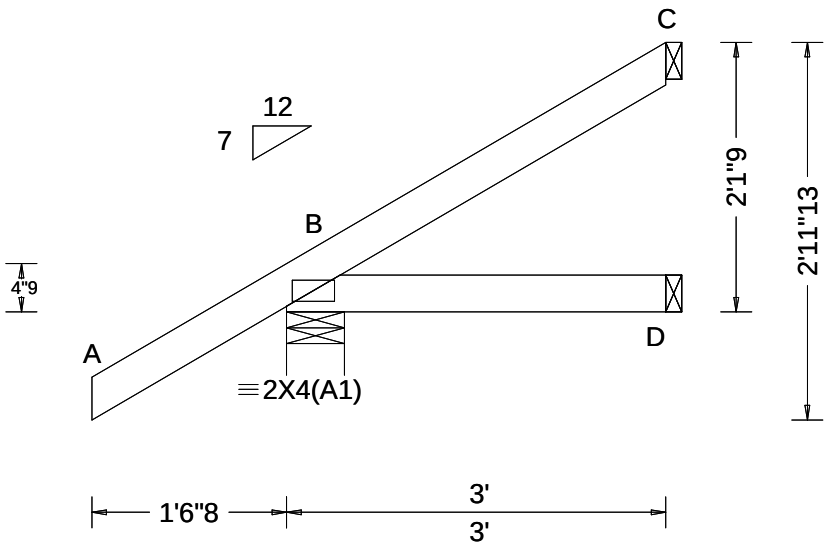
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 16648 / EJAC FROM:	Ply: 1 Qty: 4	**Job Number:** 21-5856 Shelley **Truss Label:** J26	Cust: R 215 JRef:1X8V2150010 T134 DrwNo: 259.21.1157.38702 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 16.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 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 7th Ed. 2020 Res. HVHZ
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): NA
VERT(CL): NA
HORZ(LL): 0.000 B - -
HORZ(TL): 0.001 B - -
Creep Factor: 2.0
Max TC CSI: 0.115
Max BC CSI: 0.044
Max Web CSI: 0.000

VIEW Ver: 21.01.01A.0521.20

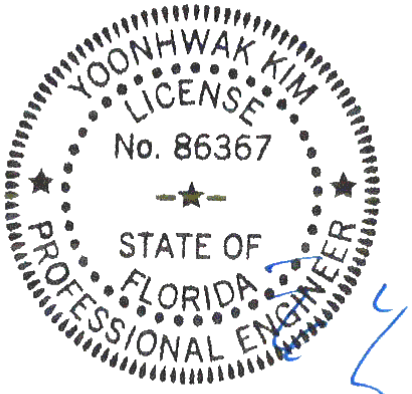
▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	179	/-	/-	/123	/15	/49
D	33	/-	/-	/21	/-	/-
C	41	/-	/-	/23	/21	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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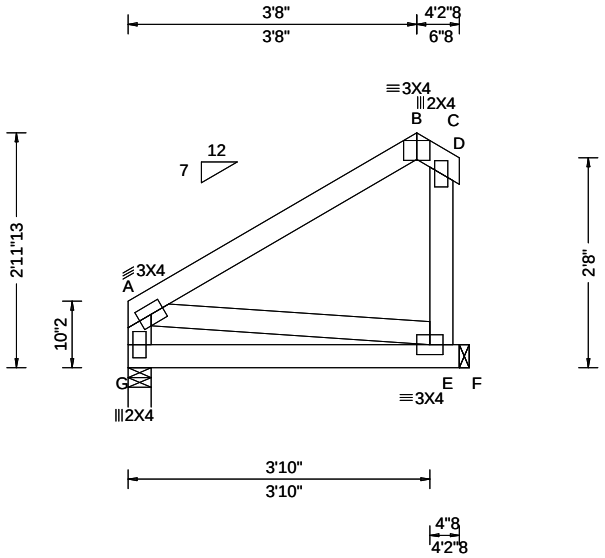
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9440 / EJAC FROM:	Ply: 1 Qty: 2	**Job Number:** 21-5856 Shelley **Truss Label:** J27	Cust: R 215 JRef:1X8V2150010 T13 / DrwNo: 259.21.1157.37514 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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): 0.010	B	999	240
VERT(CL): 0.021	B	999	180
HORZ(LL): 0.012	D	-	-
HORZ(TL): 0.026	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.258
Max BC CSI: 0.189
Max Web CSI: 0.114

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	175	/-	/-	/102	/-	/46
E	175	/-	/-	/115	/11	/-

Wind reactions based on MWFRS
G Brg Width = 3.5 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
Bearing G is a rigid surface.
Members not listed have forces less than 375#

Lumber

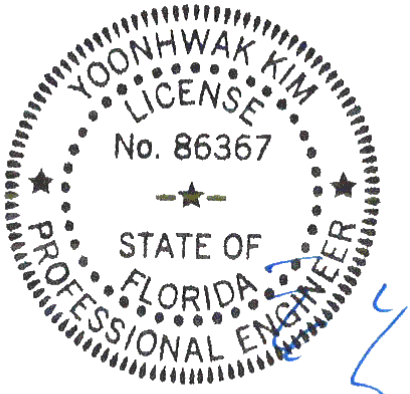
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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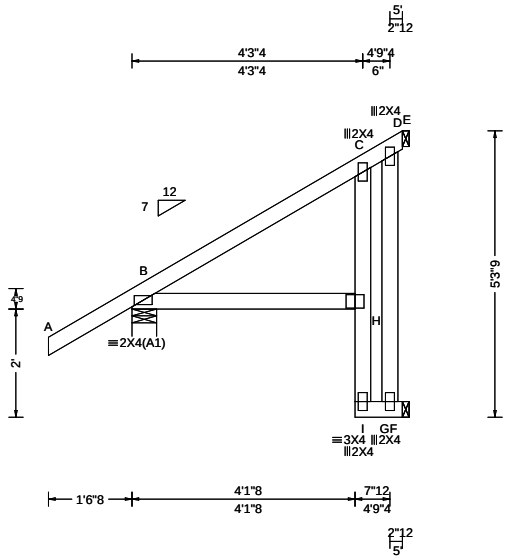
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9422 / EJAC FROM:	Ply: 1 Qty: 3	**Job Number:** 21-5856 Shelley **Truss Label:** J28	Cust: R 215 JRef:1X8V2150010 T80 / DrwNo: 259.21.1157.35718 / YK 09/16/2021



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: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.024 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.047 H 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 C - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.030 C - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.358
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.169
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.150
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	338	/-	/-	/223	/-	/78
F	26	/-	/-	/19	/1	/-
D	156	/-	/-	/107	/18	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
F 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#

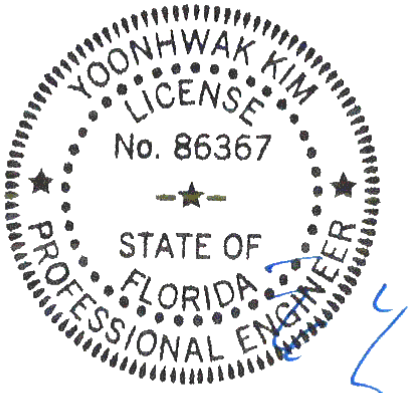
Lumber

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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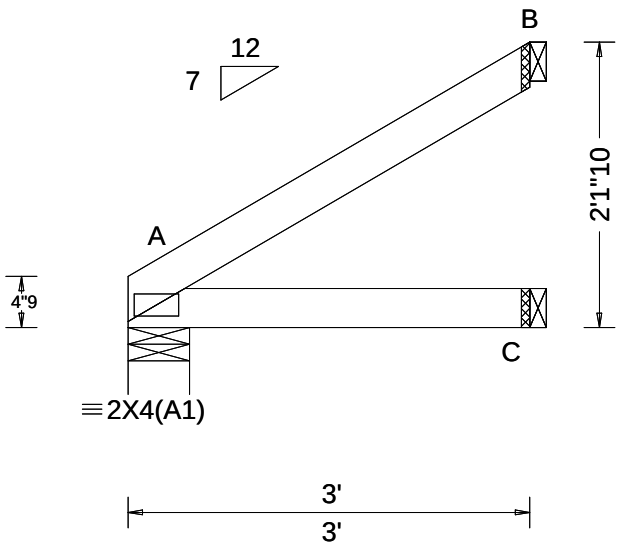
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9494 / JACK FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J29	Cust: R 215 JRef:1X8V2150010 T79 / DrwNo: 259.21.1157.35326 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
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 7th Ed. 2020 Res. HVHZ
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): NA
VERT(CL): NA
HORZ(LL): 0.001 A - -
HORZ(TL): 0.003 A - -
Creep Factor: 2.0
Max TC CSI: 0.144
Max BC CSI: 0.081
Max Web CSI: 0.000

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	131	/-	/-	/79	/-	/51
C	55	/-	/-	/32	/-	/-
B	83	/-	/-	/52	/36	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 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#

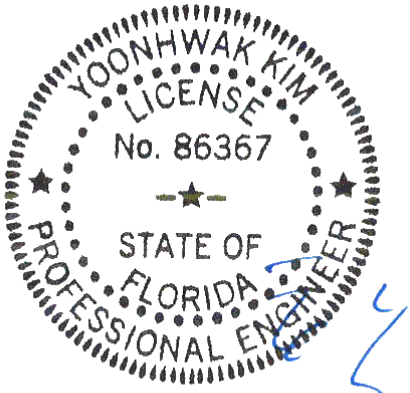
Lumber

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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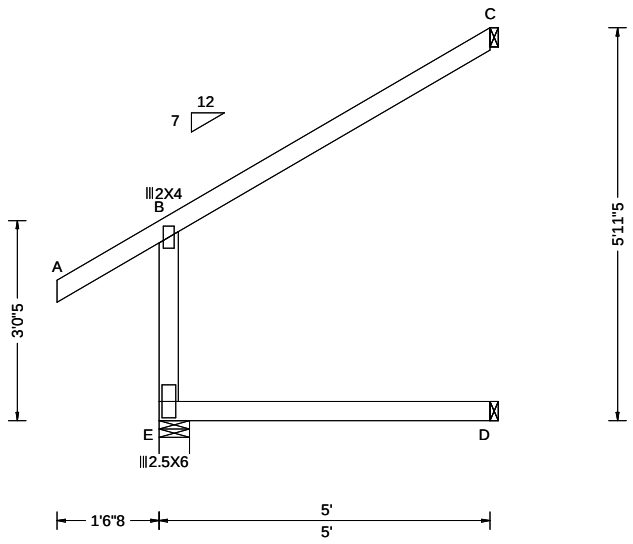
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 16716 / EJAC FROM:	Ply: 1 Qty: 2	**Job Number:** 21-5856 Shelley **Truss Label:** J30	Cust: R 215 JRef:1X8V2150010 T89 / DrwNo: 259.21.1157.38795 / YK 09/16/2021



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: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B - -
NCBCLL: 10.00	Mean Height: 18.03 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.388
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.298
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.109
	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: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	328	/-	/-	/254	/100	/-
D	100	/-	/-	/50	/-	/-
C	142	/-	/-	/58	/8	/122

Wind reactions based on MWFRS
E Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E is a rigid surface.
Members not listed have forces less than 375#

Lumber

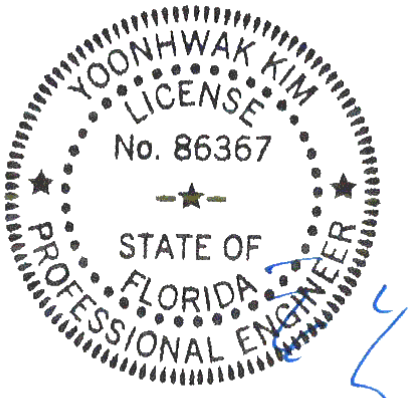
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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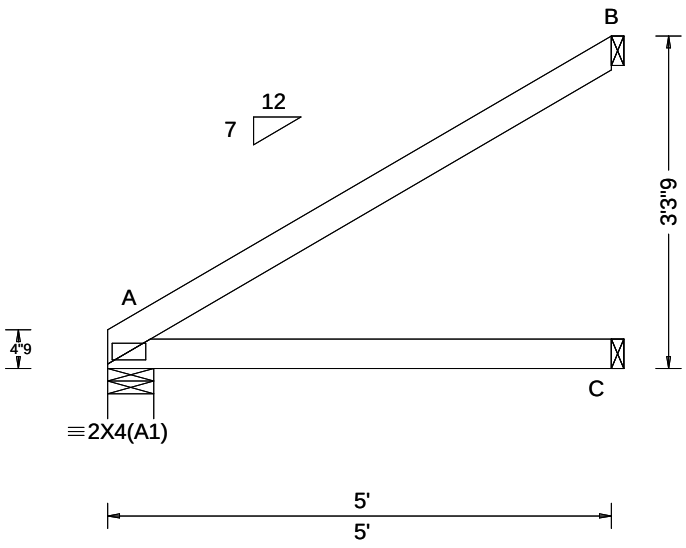
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396793 EJAC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J31	Cust: R 215 JRef:1X8V2150010 T19 DrwNo: 259.21.1237.12320 / YK 09/16/2021



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: 10.00	Speed: 120 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 A - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.012 A - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.375
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.258
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	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 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	214	/-	/-	/129	/-	/63
C	94	/-	/-	/55	/-	/-
B	140	/-	/-	/87	/37	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 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;

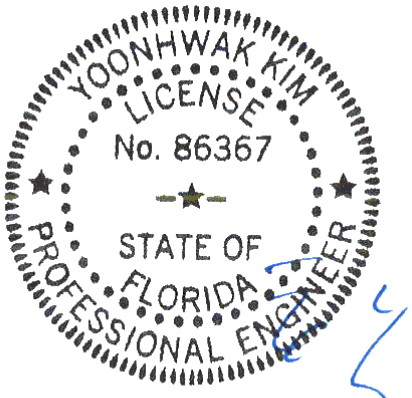
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-3-9.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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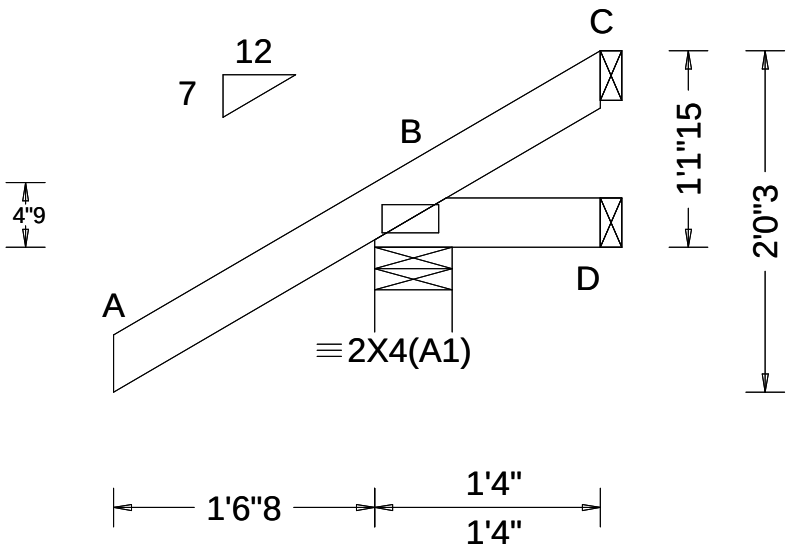
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 10158 / EJAC FROM:	Ply: 1 Qty: 7	**Job Number:** 21-5856 Shelley **Truss Label:** J32	Cust: R 215 JRef:1X8V2150010 T75 / DrwNo: 259.21.1157.36732 / YK 09/16/2021



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: 10.00	Speed: 120 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): -0.000 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.216
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.043
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: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	247	/-	/-	/180	/36	/44
D	13	/-8	/-	/15	/9	/-
C	-	/-24	/-	/24	/31	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

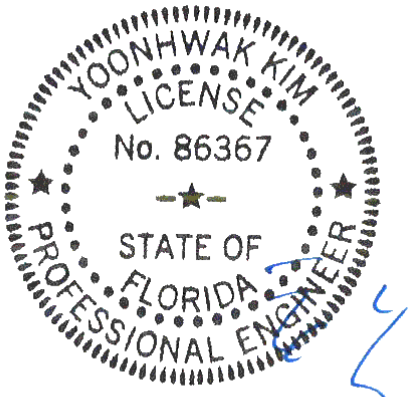
Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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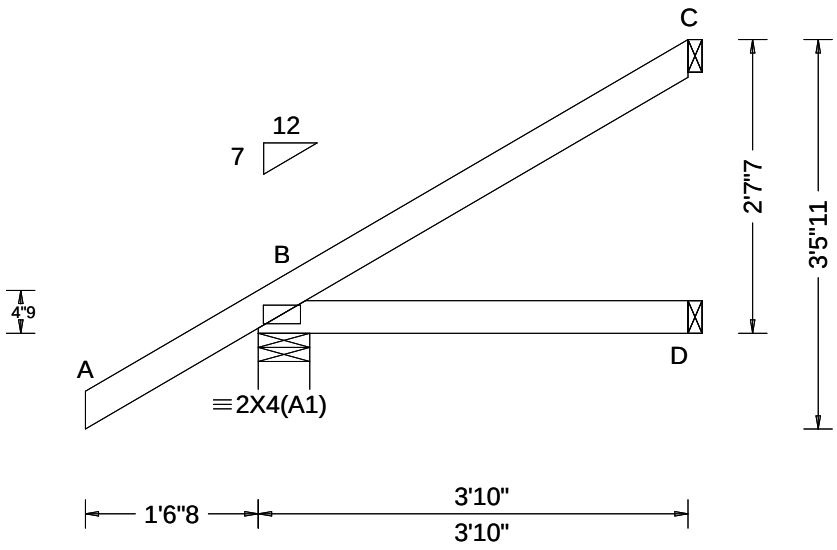
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 10118 / EJAC FROM:	Ply: 1 Qty: 3	**Job Number:** 21-5856 Shelley **Truss Label:** J33	Cust: R 215 JRef:1X8V2150010 T43 / DrwNo: 259.21.1157.36515 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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):	NA		
VERT(CL):	NA		
HORZ(LL):	0.001 B	-	-
HORZ(TL):	0.002 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.172
Max BC CSI: 0.125
Max Web CSI: 0.000

VIEW Ver: 21.01.01A.0521.20

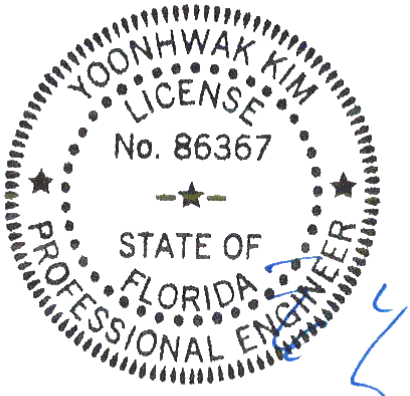
▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	296	/-	/-	/199	/2	/63
D	67	/-	/-	/39	/-	/-
C	91	/-	/-	/54	/27	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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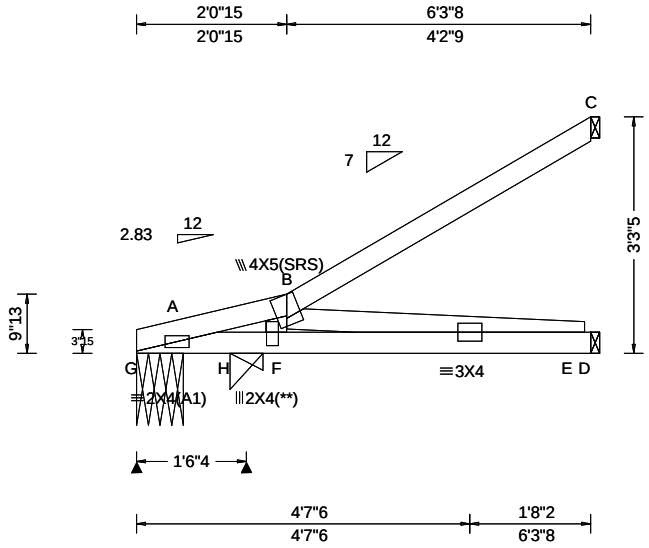
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9871 / EJAC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J34	Cust: R 215 JRef:1X8V2150010 T36 / DrwNo: 259.21.1157.37139 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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): 0.004	B	999	240
VERT(CL): 0.008	B	999	180
HORZ(LL): -0.002	C	-	-
HORZ(TL): 0.003	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.261
Max BC CSI: 0.196
Max Web CSI: 0.057

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	30	/-38	/-	/19	/20	/62
H	344	/-	/-	/211	/-	/-
D	89	/-	/-	/52	/-	/-
C	118	/-	/-	/72	/32	/-

Wind reactions based on MWFRS
G Brg Width = 7.8 Min Req = 1.5
H Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearings G & H are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

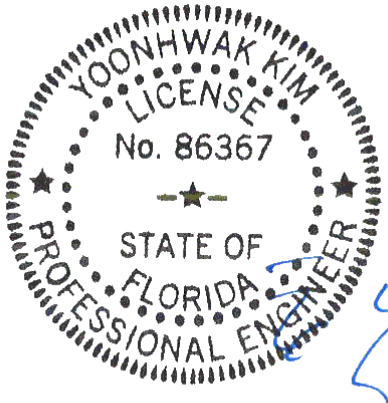
Plating Notes

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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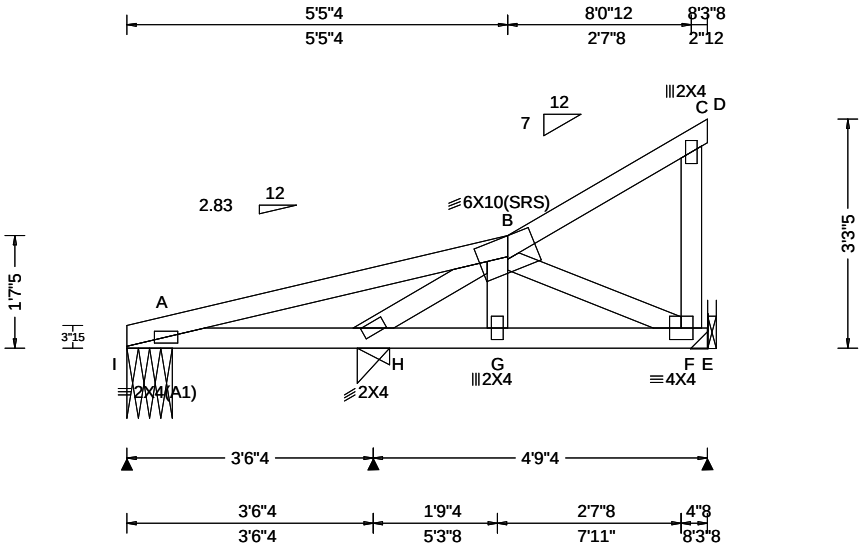
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9428 / EJAC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J35	Cust: R 215 JRef:1X8V2150010 T27 / DrwNo: 259.21.1157.37076 / YK 09/16/2021



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:	10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.011 A 999 240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.020 A 999 180
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 A - -
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.006 A - -
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.221
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.230
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.071
		C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
		Loc. from endwall: not in 9.00 ft	Plate Type(s):	
		GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20
		Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	168	/-	/-	/81	/14	/58
H	292	/-	/-	/165	/-	/-
E	215	/-	/-	/137	/16	/-

Wind reactions based on MWFRS
I Brg Width = 7.8 Min Req = 1.5
H Brg Width = 5.5 Min Req = 1.5
E Brg Width = - Min Req = -
Bearings I & H are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

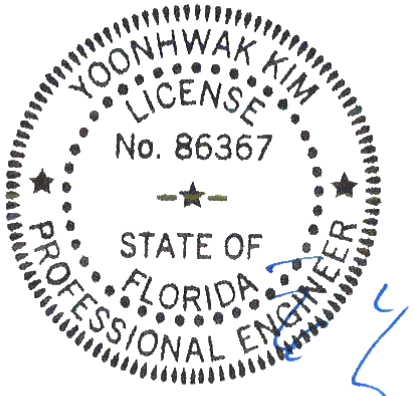
(J) Hanger Support Required, by others

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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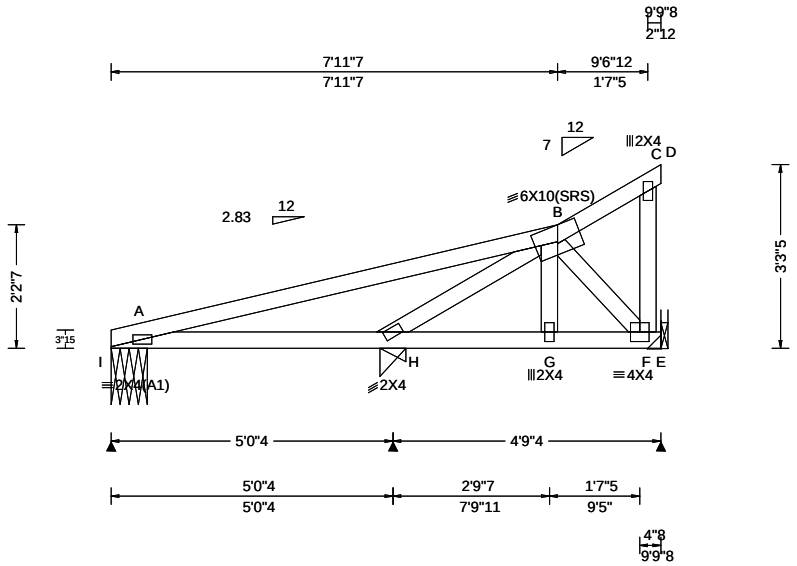
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9521 / EJAC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J36	Cust: R 215 JRef:1X8V2150010 T119 DrwNo: 259.21.1157.36937 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
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	A	999	240
VERT(CL): 0.070	A	841	180
HORZ(LL): 0.010	A	-	-
HORZ(TL): 0.020	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.548
Max BC CSI: 0.496
Max Web CSI: 0.082

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	270	/-	/-	/128	/27	/61
H	261	/-	/-	/155	/-	/-
E	263	/-	/-	/147	/18	/-

Wind reactions based on MWFRS
I Brg Width = 7.8 Min Req = 1.5
H Brg Width = 5.5 Min Req = 1.5
E Brg Width = - Min Req = -
Bearings I & H are a rigid surface.
Members not listed have forces less than 375#

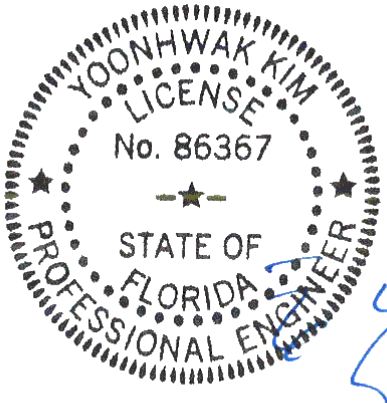
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - F	256	- 392

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

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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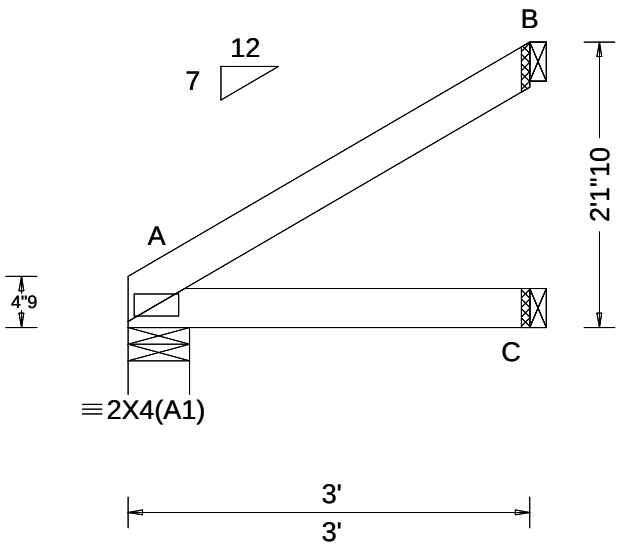
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 17221 / JACK FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** J39	Cust: R 215 JRef:1X8V2150010 T60 / DrwNo: 259.21.1157.35609 / YK 09/16/2021



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 0.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 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 7th Ed. 2020 Res. HVHZ
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): NA
VERT(CL): NA
HORZ(LL): 0.001 A - -
HORZ(TL): 0.003 A - -
Creep Factor: 2.0
Max TC CSI: 0.118
Max BC CSI: 0.081
Max Web CSI: 0.000

VIEW Ver: 21.01.01A.0521.20

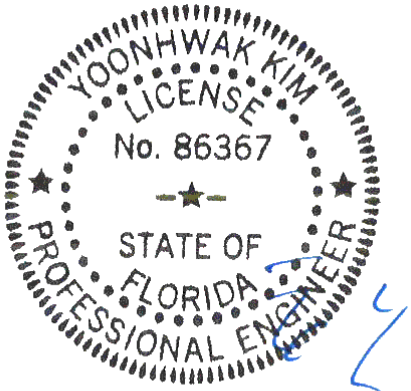
▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	131	/-	/-	/79	/-	/51
C	55	/-	/-	/32	/-	/-
B	83	/-	/-	/52	/36	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 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.



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09/16/2021

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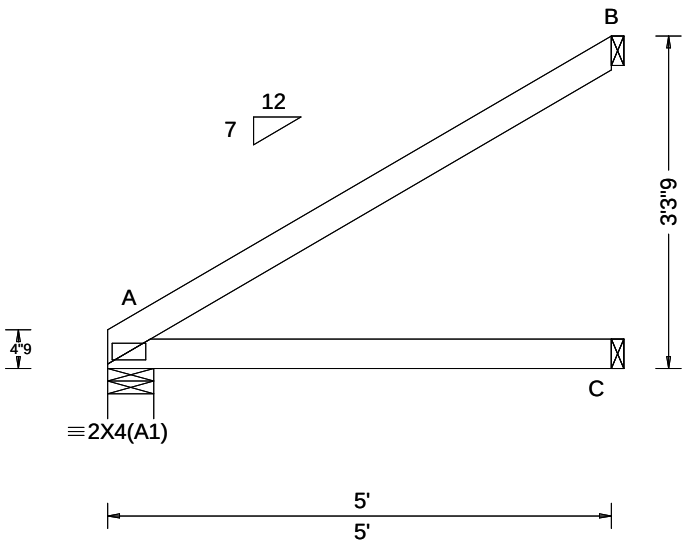
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 16658 / EJAC FROM:	Ply: 1 Qty: 2	**Job Number:** 21-5856 Shelley **Truss Label:** J40	Cust: R 215 JRef:1X8V2150010 T39 / DrwNo: 259.21.1157.39139 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 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 7th Ed. 2020 Res. HVHZ
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):	NA		
VERT(CL):	NA		
HORZ(LL):	0.006 A	-	-
HORZ(TL):	0.012 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.375
Max BC CSI: 0.258
Max Web CSI: 0.000

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	214	/-	/-	/131	/-	/88
C	94	/-	/-	/55	/-	/-
B	140	/-	/-	/87	/60	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 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#

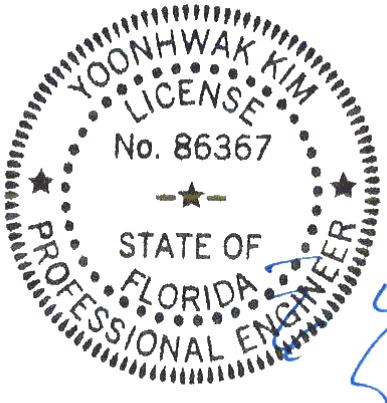
Lumber

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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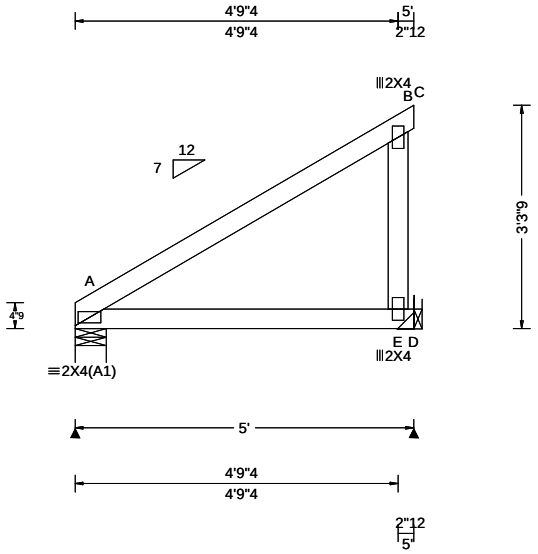
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 10205 / EJAC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** JG01	Cust: R 215 JRef:1X8V2150010 T59 DrwNo: 259.21.1157.37326 / YK 09/16/2021



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: 10.00	Speed: 120 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): 0.016 A - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.031 A - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.391
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.782
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.323
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	885	/-	/-	/-	/103	/-
D	650	/-	/-	/-	/79	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 Min Req = 1.5
D Brg Width = - Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Special Loads

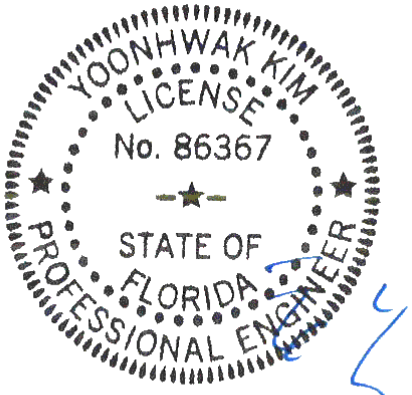
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 5.00
BC: From 10 plf at 0.00 to 10 plf at 5.00
BC: 585 lb Conc. Load at 1.06, 3.06

Hangers / Ties

(J) Hanger Support Required, by others

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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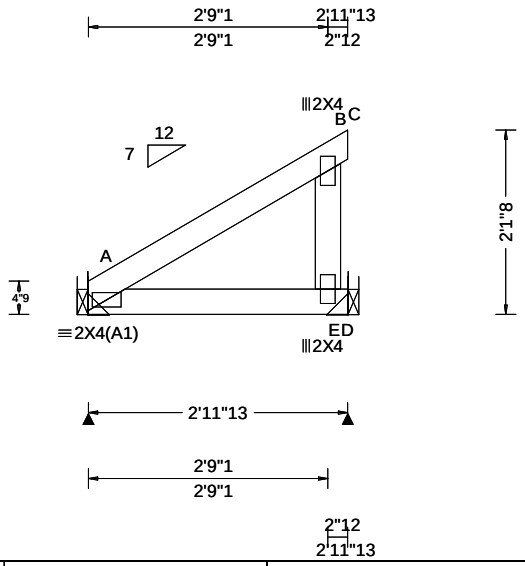
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 10102 / JACK FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** JG02	Cust: R 215 JRef:1X8V2150010 T1 / DrwNo: 259.21.1157.38046 / YK 09/16/2021



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to 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 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case 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 A - - HORZ(TL): 0.011 A - - Creep Factor: 2.0 Max TC CSI: 0.368 Max BC CSI: 0.967 Max Web CSI: 0.104 VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	468	/-	/-	/-	/49	/-
D	429	/-	/-	/-	/45	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
D Brg Width = - Min Req = -
Members not listed have forces less than 375#

Lumber

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

Special Loads

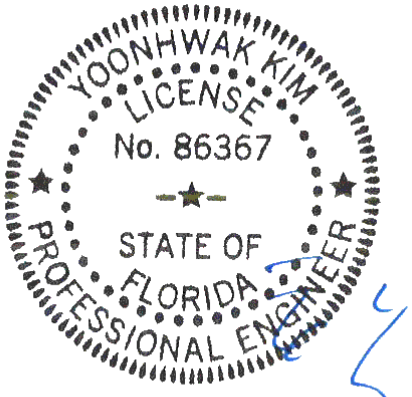
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 2.98
BC: From 20 plf at 0.00 to 20 plf at 2.98
BC: 650 lb Conc. Load at 1.44

Hangers / Ties

(J) Hanger Support Required, by others
(H2) = (J) Special hanger required (1)2x4 SP #2 supporting member.

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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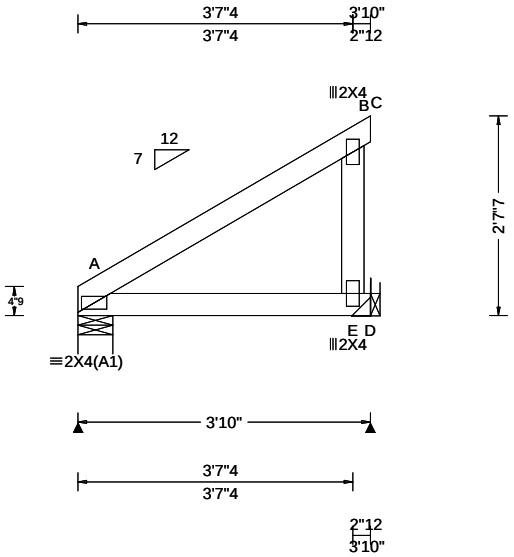
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 10198 / EJAC FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** JG03	Cust: R 215 JRef:1X8V2150010 T30 / DrwNo: 259.21.1157.36076 / YK 09/16/2021



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
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 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	NA		
VERT(CL):	NA		
HORZ(LL):	0.004 A	-	-
HORZ(TL):	0.007 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.251
Max BC CSI: 0.365
Max Web CSI: 0.057

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	228	/-	/-	/-	/14	/-
D	221	/-	/-	/-	/14	/-

Wind reactions based on MWFRS
A Brg Width = 5.5 Min Req = 1.5
D Brg Width = - Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

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

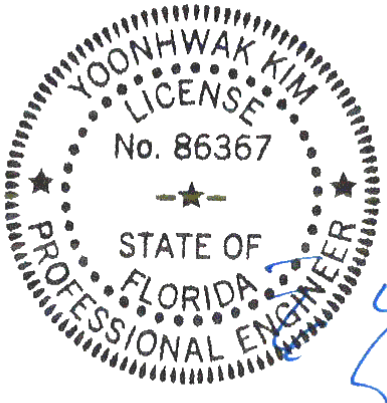
Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	63 plf at	0.00 to	63 plf at	3.83
BC: From	20 plf at	0.00 to	20 plf at	3.83

BC: 130 lb Conc. Load at 1.92

Hangers / Ties
(J) Hanger Support Required, by others

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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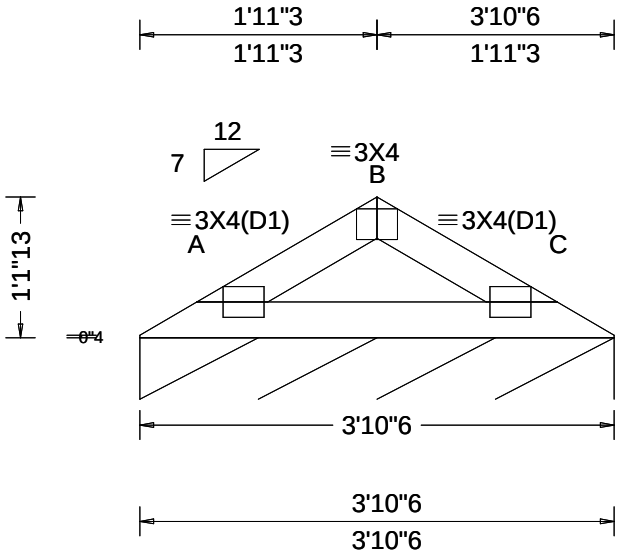
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9534 / VAL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** V01	Cust: R 215 JRef:1X8V2150010 T126 DrwNo: 259.21.1157.36516 / YK 09/16/2021



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 19.97 ft
TCDL: 5.0 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 7th Ed. 2020 Res. HVHZ
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): 0.003	C	999	240
VERT(CL): 0.006	C	999	180
HORZ(LL): -0.001	A	-	-
HORZ(TL): 0.002	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.070
Max BC CSI: 0.093
Max Web CSI: 0.000

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

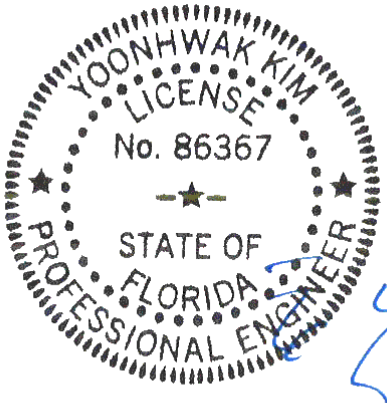
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	82	/-	/-	/38	/2	/5

Wind reactions based on MWFRS
C Brg Width = 46.4 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
See DWG VALTN160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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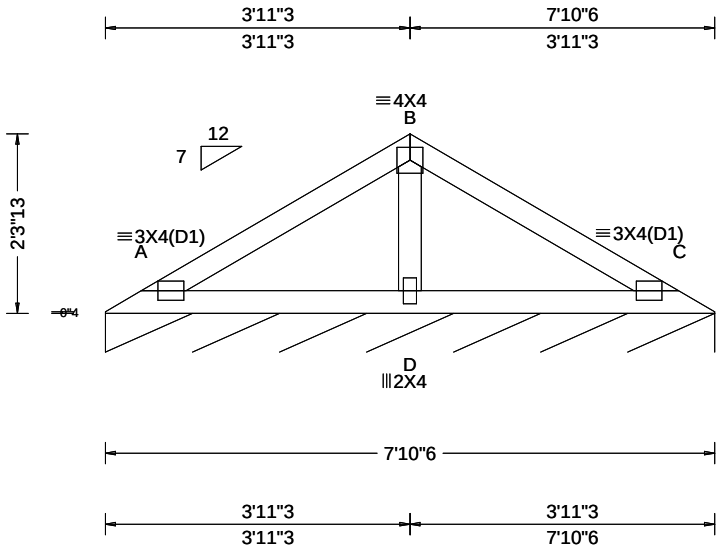
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9458 / VAL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** V02	Cust: R 215 JRef:1X8V2150010 T125 DrwNo: 259.21.1157.35701 / YK 09/16/2021



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: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.006 C 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.013 C 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 C - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.006 C - -
NCBCLL: 10.00	Mean Height: 19.39 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.190
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.166
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.070
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	83	/-	/-	/41	/5	/6

Wind reactions based on MWFRS
C Brg Width = 94.4 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;
Webs: 2x4 SP #3;

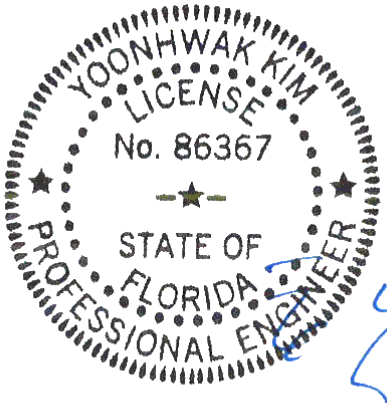
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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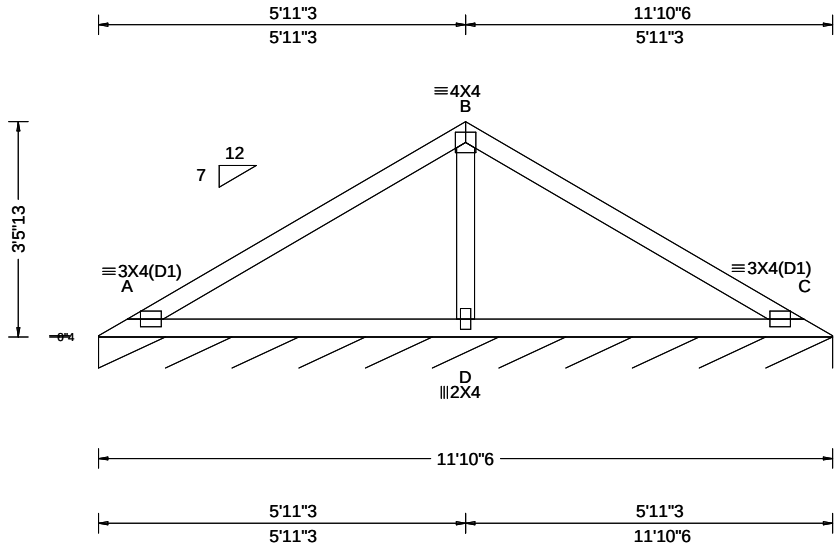
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9508 / VAL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** V03	Cust: R 215 JRef:1X8V2150010 T124 DrwNo: 259.21.1157.37046 / YK 09/16/2021



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 18.81 ft
TCDL: 5.0 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 7th Ed. 2020 Res. HVHZ
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): 0.022	C	999	240
VERT(CL): 0.046	C	999	180
HORZ(LL): -0.010	C	-	-
HORZ(TL): 0.021	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.500
Max BC CSI: 0.414
Max Web CSI: 0.176

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	83	/-	/-	/42	/6	/6

Wind reactions based on MWFRS
C Brg Width = 142 Min Req = -
Bearing A is 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	484	-170	B - C	484	-170

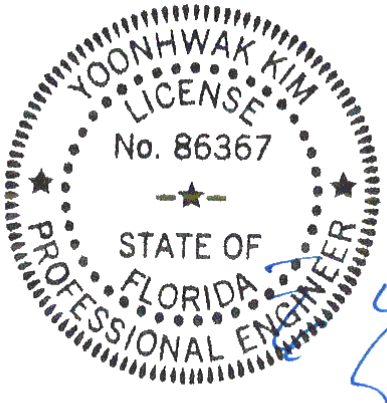
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - D	298	-708

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
See DWG VALTN160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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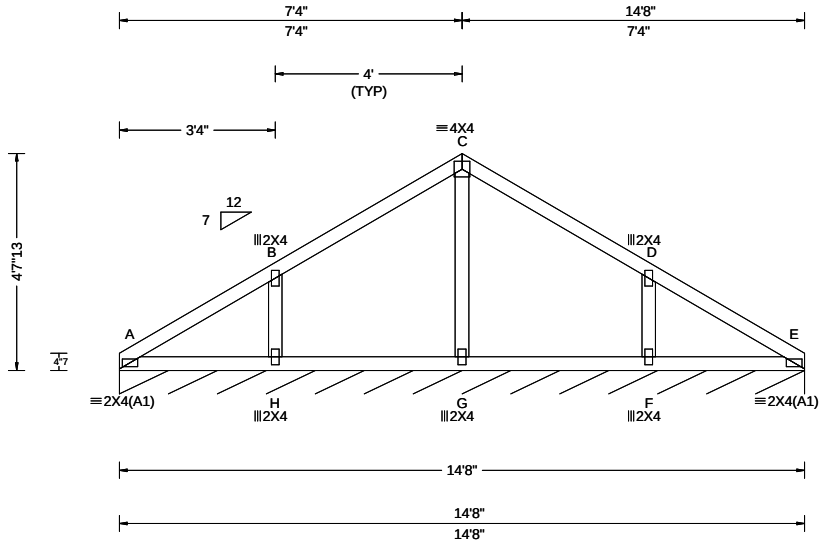
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9399 / VAL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** V04	Cust: R 215 JRef:1X8V2150010 T129 DrwNo: 259.21.1157.36998 / YK 09/16/2021



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: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.001 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B - -
NCBCLL: 10.00	Mean Height: 18.26 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.227
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.113
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.061
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20
	Wind Duration: 1.60		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	83	/-	/-	/44	/8	/7

Wind reactions based on MWFRS
E Brg Width = 176 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;
Webs: 2x4 SP #3;

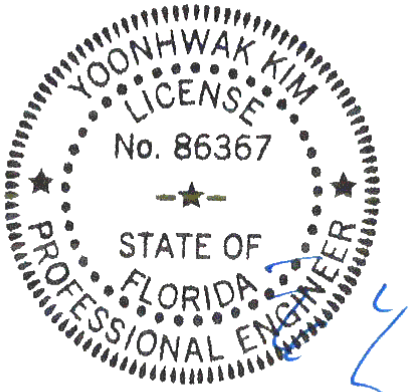
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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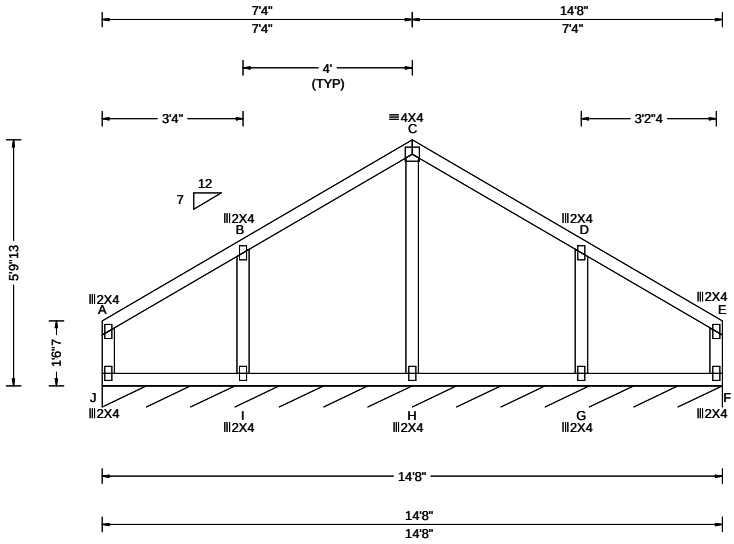
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 9468 / VAL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** V05	Cust: R 215 JRef:1X8V2150010 T130 DrwNo: 259.21.1157.36155 / YK 09/16/2021



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 18.26 ft
TCDL: 5.0 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 7th Ed. 2020 Res. HVHZ
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): 0.001	C	999	240
VERT(CL): 0.002	C	999	180
HORZ(LL): -0.033	A	-	-
HORZ(TL): 0.060	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.206
Max BC CSI: 0.103
Max Web CSI: 0.122

VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F*	83	/-	/-	/44	/8	/7

Wind reactions based on MWFRS
F Brg Width = 176 Min Req = -
Bearing J is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

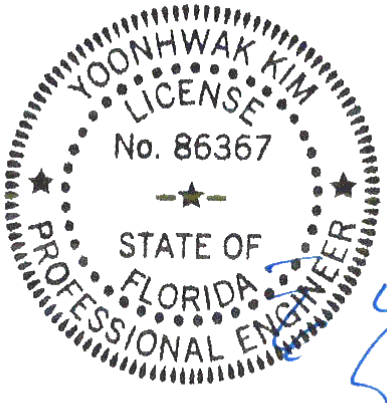
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/16/2021

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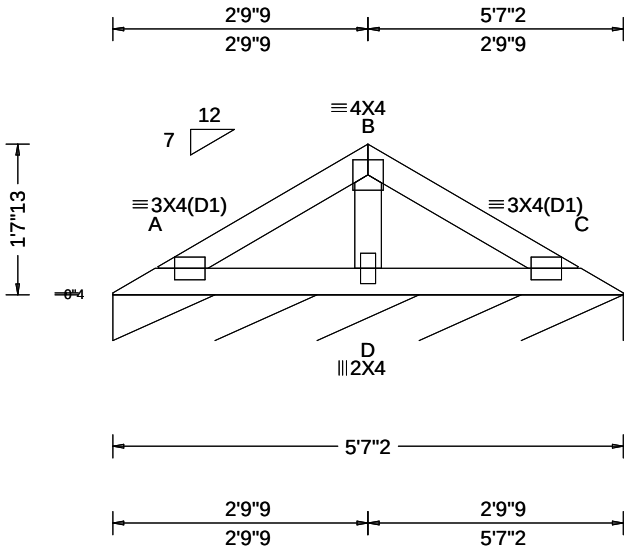
SEQN: 16662 / VAL FROM:	Ply: 1 Qty: 1	**Job Number:** 21-5856 Shelley **Truss Label:** V06	Cust: R 215 JRef:1X8V2150010 T24 / DrwNo: 259.21.1157.38467 / YK 09/16/2021



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ 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): 0.002 A 999 240 VERT(CL): 0.004 A 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.082 Max BC CSI: 0.074 Max Web CSI: 0.039 VIEW Ver: 21.01.01A.0521.20

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	83	/-	/-	/40	/4	/5

Wind reactions based on MWFRS
C Brg Width = 67.1 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;
Webs: 2x4 SP #3;

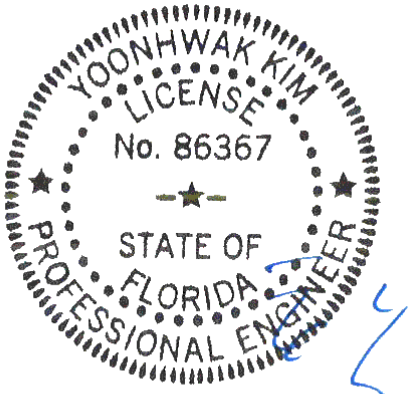
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



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09/16/2021

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
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Gable Stud Reinforcement Detail

ASCE 7-16: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
Or: 100 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Max Gable Vertical Length

2x4 Gable Vertical Spacing	Species	Brace Grade	No Braces	(1) 1x4 'L' Brace *		(1) 2x4 'L' Brace *		(2) 2x4 'L' Brace **		(1) 2x6 'L' Brace *		(2) 2x6 'L' Brace **	
				Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
24" o.c.	SPF HF	#1 / #2	4' 10"	8' 2"	8' 6"	9' 8"	10' 1"	11' 6"	12' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 7"	7' 9"	8' 3"	9' 7"	9' 11"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 7"	7' 8"	8' 2"	9' 7"	9' 11"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 7"	6' 7"	7' 0"	8' 10"	9' 5"	11' 5"	11' 10"	13' 10"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 0"	8' 4"	8' 7"	9' 10"	10' 2"	11' 8"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 10"	8' 2"	8' 6"	9' 8"	10' 1"	11' 6"	12' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 8"	7' 0"	7' 5"	9' 3"	9' 11"	11' 5"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 8"	7' 0"	7' 5"	9' 3"	9' 11"	11' 5"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 7"	6' 2"	6' 7"	8' 2"	8' 9"	11' 1"	11' 10"	12' 10"	13' 9"	14' 0"	14' 0"
16" o.c.	SPF HF	#1 / #2	5' 6"	9' 5"	9' 9"	11' 1"	11' 6"	13' 2"	13' 9"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 3"	9' 3"	9' 9"	10' 11"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 3"	9' 3"	9' 7"	10' 11"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 3"	8' 1"	8' 7"	10' 10"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 9"	9' 6"	9' 10"	11' 3"	11' 8"	13' 4"	13' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 6"	9' 5"	9' 9"	11' 1"	11' 6"	13' 2"	13' 9"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 5"	8' 6"	9' 1"	11' 0"	11' 5"	13' 1"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 5"	8' 6"	9' 1"	11' 0"	11' 5"	13' 1"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 3"	7' 6"	8' 0"	10' 0"	10' 9"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
12" o.c.	SPF HF	#1 / #2	6' 1"	10' 4"	10' 8"	12' 2"	12' 8"	13' 2"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 9"	10' 2"	10' 7"	12' 0"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 9"	10' 2"	10' 7"	12' 0"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 9"	9' 4"	9' 11"	12' 0"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	6' 4"	10' 6"	10' 10"	12' 4"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	6' 1"	10' 4"	10' 8"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 11"	9' 10"	10' 6"	12' 1"	12' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 11"	9' 10"	10' 6"	12' 1"	12' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 9"	8' 8"	9' 3"	11' 7"	12' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"

Bracing Group Species and Grades:

Group A:

Spruce-Pine-Fir	
#1 / #2	Standard
#3	Stud

Hem-Fir	
#2	Stud
#3	Standard

Douglas Fir-Larch
#3
Stud
Standard

Southern Pine***
#3
Stud
Standard

Group B:

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch
#1
#2

Southern Pine***
#1
#2

1x4 Braces shall be SRB (Stress-Rated Board).

***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 35 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

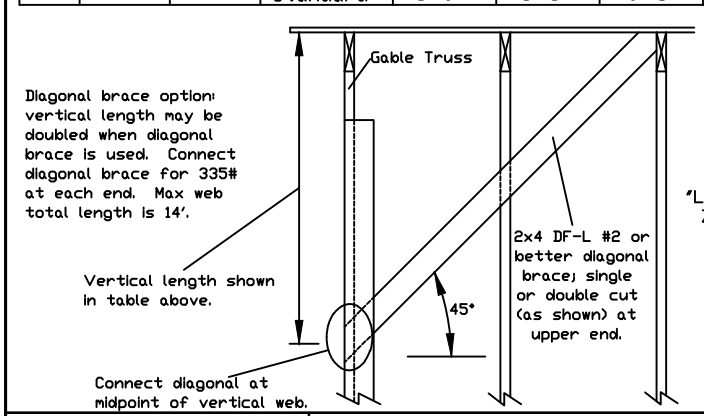
Attach 'L' braces with 10d (0.128"x3.0" min) nails.

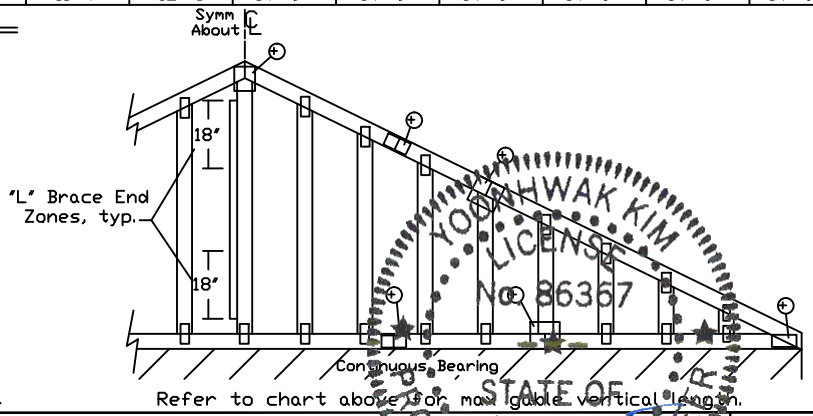
* For (1) 'L' brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.

** For (2) 'L' braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

'L' bracing must be a minimum of 80% of web member length.

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 335# at each end. Max web total length is 14'.





Refer to chart above for max gable vertical length.

Gable Vertical Plate Sizes

Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0", but less than 11' 6"	2X4
Greater than 11' 6"	3X4

+ Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.

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514 Earth City Expressway
Suite 242
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

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-16-GAB12015
DATE	01/26/2018
DRWG	A12015ENC160118

01/26/2021
FL PE Reg. 278, Yoonhwak Kim, FL PE #86367

Gable Stud Reinforcement Detail

ASCE 7-16: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 100 Mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
Or: 100 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Max Gable Vertical Length

2x4 Gable Vertical Spacing	Species	Brace Grade	No Braces	(1) 1x4 'L' Brace *		(1) 2x4 'L' Brace *		(2) 2x4 'L' Brace **		(1) 2x6 'L' Brace *		(2) 2x6 'L' Brace **	
				Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
24" o.c.	SPF HF	#1 / #2	4' 7"	7' 10"	8' 1"	9' 3"	9' 7"	11' 0"	11' 5"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 2"	7' 8"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 4"	7' 2"	7' 7"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 4"	6' 2"	6' 7"	8' 2"	8' 9"	10' 10"	11' 4"	12' 10"	13' 9"	14' 0"	14' 0"
	SP DFL	#1	4' 10"	7' 11"	8' 2"	9' 4"	9' 8"	11' 1"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 7"	7' 10"	8' 1"	9' 3"	9' 7"	11' 0"	11' 5"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	6' 6"	6' 11"	8' 7"	9' 2"	10' 11"	11' 4"	13' 6"	14' 0"	14' 0"	14' 0"
		Stud	4' 6"	6' 6"	6' 11"	8' 7"	9' 2"	10' 11"	11' 4"	13' 6"	14' 0"	14' 0"	14' 0"
		Standard	4' 4"	5' 9"	6' 1"	7' 7"	8' 2"	10' 4"	11' 1"	11' 11"	12' 10"	14' 0"	14' 0"
16" o.c.	SPF HF	#1 / #2	5' 3"	8' 11"	9' 3"	10' 7"	11' 0"	12' 7"	13' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 0"	8' 10"	9' 3"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 0"	8' 9"	9' 2"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 0"	7' 6"	8' 0"	10' 1"	10' 9"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 6"	9' 1"	9' 5"	10' 8"	11' 1"	12' 8"	13' 2"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 3"	8' 11"	9' 3"	10' 7"	11' 0"	12' 7"	13' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 1"	7' 11"	8' 5"	10' 6"	10' 11"	12' 6"	13' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 0"	7' 11"	8' 5"	10' 6"	10' 11"	12' 6"	13' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 0"	7' 0"	7' 5"	9' 4"	10' 0"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"
12" o.c.	SPF HF	#1 / #2	5' 9"	9' 10"	10' 2"	11' 7"	12' 1"	12' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 6"	9' 8"	10' 1"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 6"	9' 8"	10' 1"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 6"	8' 8"	9' 3"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	6' 0"	10' 0"	10' 4"	11' 9"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 9"	9' 10"	10' 2"	11' 7"	12' 1"	13' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 8"	9' 2"	9' 9"	11' 6"	12' 0"	13' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 8"	9' 2"	9' 9"	11' 6"	12' 0"	13' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 6"	8' 1"	8' 7"	10' 9"	11' 6"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"

Bracing Group Species and Grades:

Group A:

Spruce-Pine-Fir	
#1 / #2	Standard
#3	Stud

Hem-Fir	
#2	Stud
#3	Standard

Douglas Fir-Larch
#3
Stud
Standard

Southern Pine***
#3
Stud
Standard

Group B:

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch
#1
#2

Southern Pine***
#1
#2

1x4 Braces shall be SRB (Stress-Rated Board).

***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 70 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

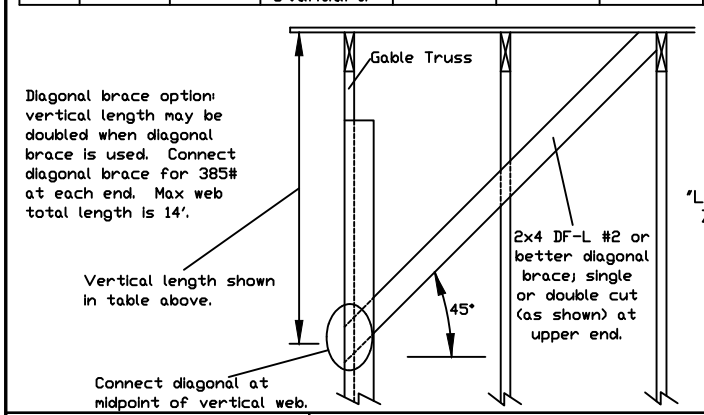
Attach 'L' braces with 10d (0.128"x3.0" min) nails.

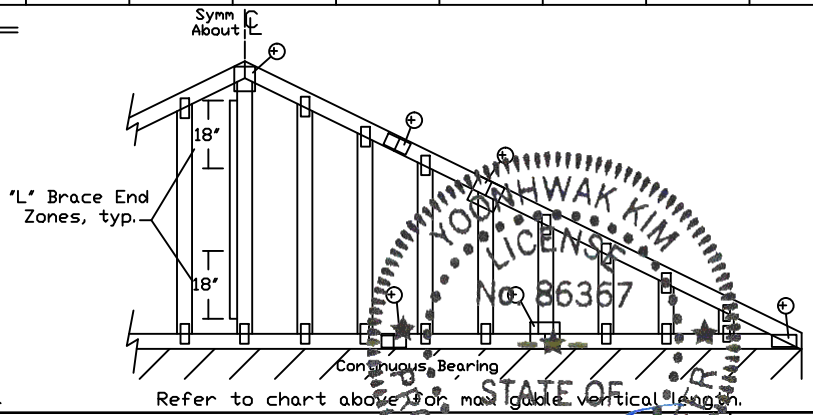
* For (1) 'L' brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.

** For (2) 'L' braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

'L' bracing must be a minimum of 80% of web member length.

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 385# at each end. Max web total length is 14'.





Gable Vertical Plate Sizes

Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0", but less than 11' 6"	2X4
Greater than 11' 6"	3X4

+ Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.

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ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

YOONHWAK KIM LICENSE No 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-16-GAB12030
DATE	01/26/2018
DRWG	A12030ENC160118

1/26/2021
FL PE Reg# 278, Yoonhwak Kim, FL PE #86367

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.

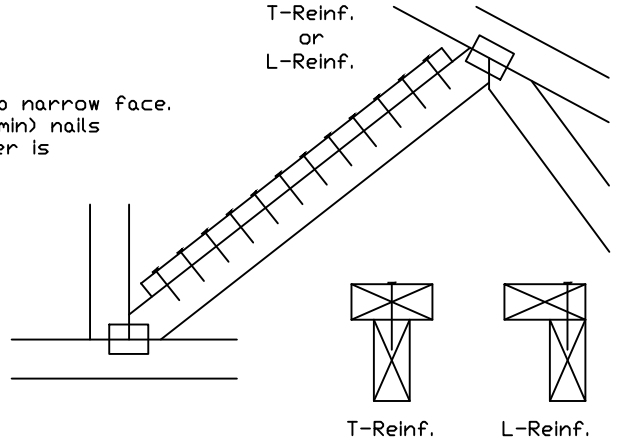
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Alternative Reinforecement Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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.

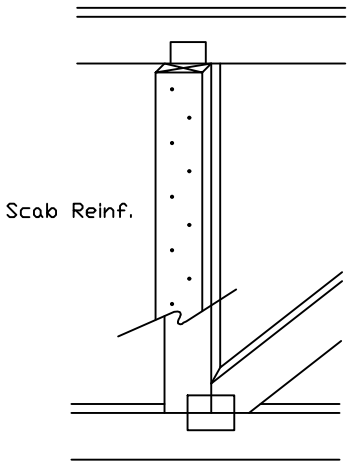
T-Reinforcement or L-Reinforcement:

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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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

ASCE 7-16: 120 mph, 30' Mean Height, Closed, Exposure C
Common Residential Gable End Wind Bracing Requirements - Stiffeners

120 mph, 30ft. Mean Hgt, ASCE 7-16, Enclosed, Exp C, or
100 mph, 30ft. Mean Hgt, ASCE 7-16, Enclosed, Exp D, or
100 mph, 30ft. Mean Hgt, ASCE 7-16, Part. Enclosed, Exp C,
Kzt = 1.00, Wind TC DL=5.0 psf, Wind BC DL=5.0 psf.

Lateral chord bracing requirements
Top: Continuous roof sheathing
Bot: Continuous ceiling diaphragm

See Engineer's sealed design referencing this detail for lumber, plates, and other information not shown on this detail.

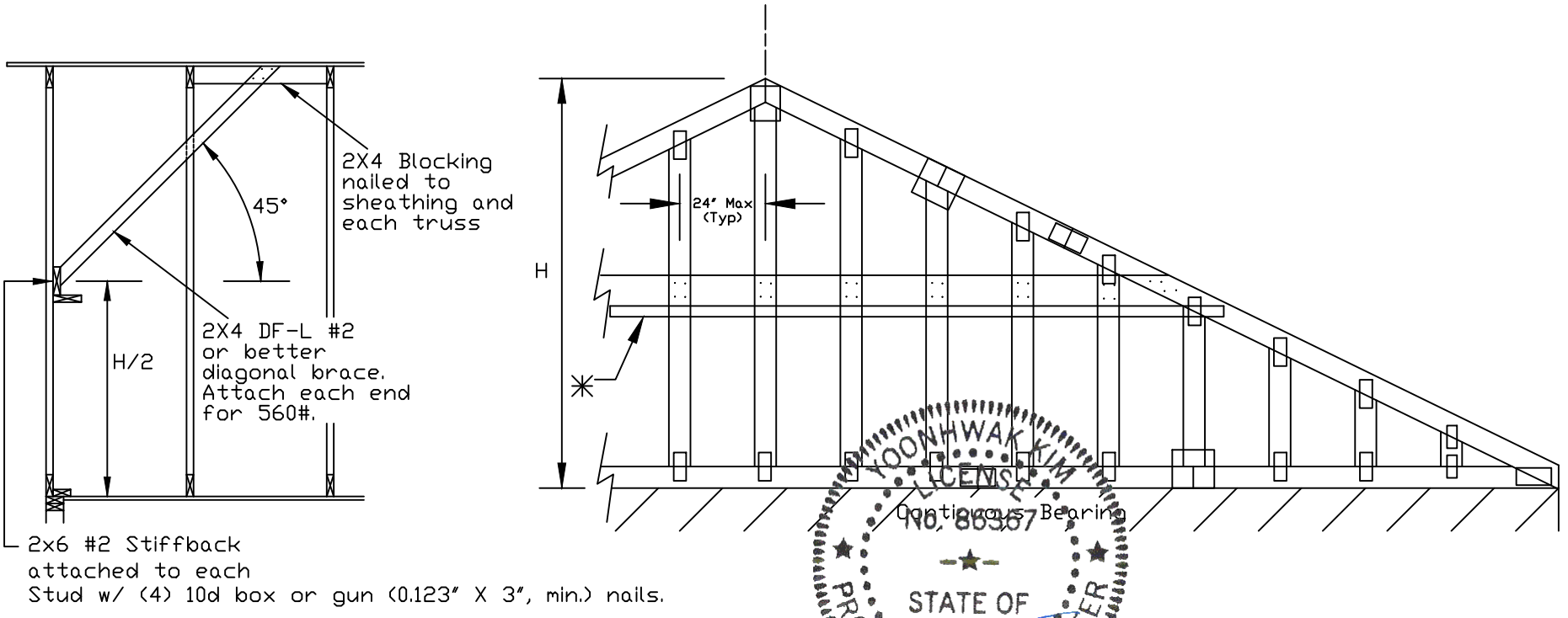
Nails: 10d box or gun (0.128"x3",min) nails.

H Less than 4'6" - no stud bracing required

H Greater than 4'6" to 7'6" in length
provide a 2x6 stiffback at mid-height and brace stiffback to roof diaphragm every 6'0" (see detail below or refer to DRWG A12030ENC160118).

H Greater than 7'6" to 12'0" max:
provide a 2x6 stiffback at mid-height and brace to roof diaphragm every 4'0" (see detail below or refer to DRWG A12030ENC160118).

✳ Optional 2x L-reinforcement attached to stiffback with 10d box or gun (0.128" x 3", min.) nails @ 6" o.c.



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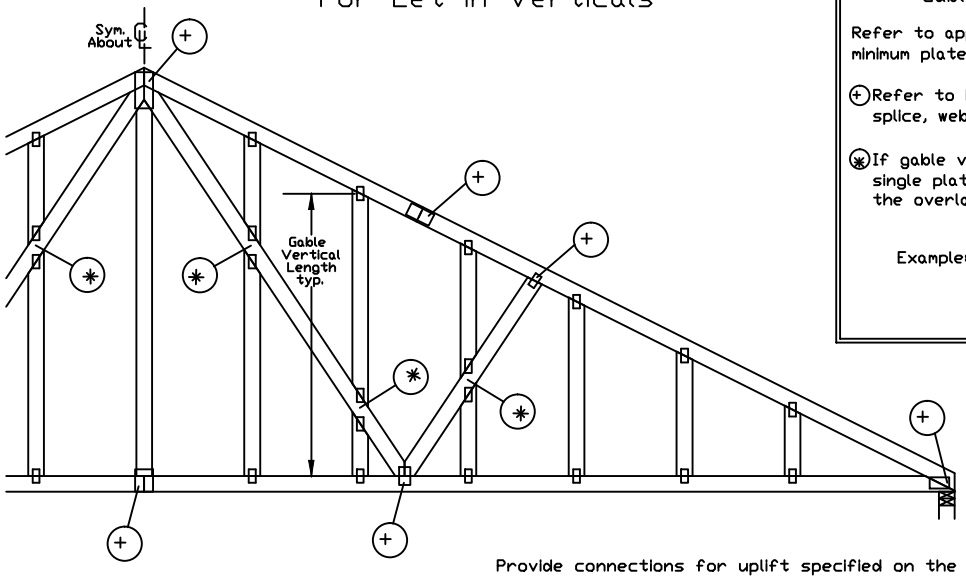
MAX. TOT. LD. 60 PSF

MAX. SPACING

REF	GE WHALER
DATE	01/02/2018
DRWG	GABRST160118

Gable Detail
For Let-in Verticals



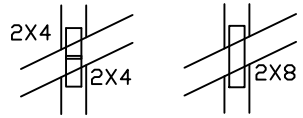
Gable Truss Plate Sizes

Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

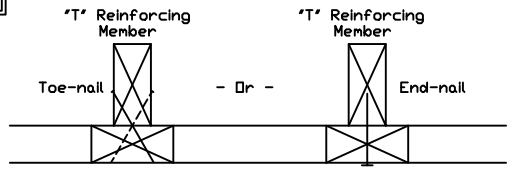
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊛ If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example:



"T" Reinforcement Attachment Detail



Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:
10d Common (0.148"x 3.",min) Nails at 4" o.c. plus
(4) nails in the top and bottom chords.

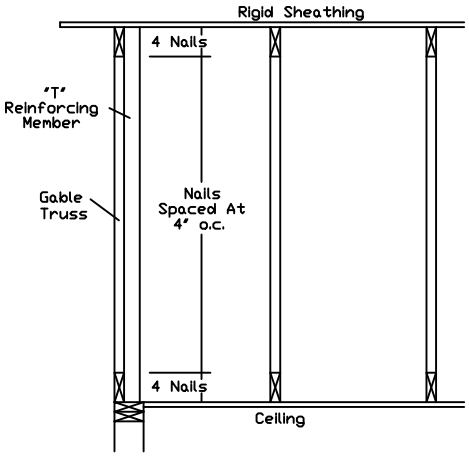
Toenailed Nails:
10d Common (0.148"x3",min) Toenails at 4" o.c. plus
(4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings
A13015051014, A12015051014, A11015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings
A11515ENC100118, A12015ENC100118, A14015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118, S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118, S18015ENC100118, S20015ENC100118, S20015END100118, S20015PED100118, S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118, S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical length.



To convert from "L" to "T" reinforcing members, multiply "T" increase by length (based on appropriate Alpine gable detail).

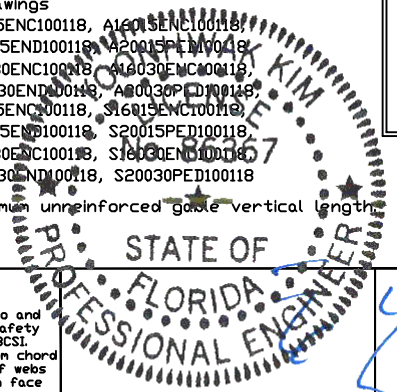
Maximum allowable "T" reinforced gable vertical length is 14' from top to bottom chord.

"T" reinforcing member material must match size, specie, and grade of the "L" reinforcing member.

Web Length Increase w/ "T" Brace

"T" Reinf. Mbr. Size	"T" Increase
2x4	30 %
2x6	20 %

Example:
ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, Kzt = 1.00
Gable Vertical = 24"o.c. SP #3
"T" Reinforcing Member Size = 2x4
"T" Brace Increase (From Above) = 30% = 1.30
(1) 2x4 "L" Brace Length = 8' 7"
Maximum "T" Reinforced Gable Vertical Length
1.30 x 8' 7" = 11' 2"



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MAX. TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX. SPACING	24.0"

REF	LET-IN VERT
DATE	01/02/2018
DRWG	GBLLETIN0118

09/16/2021 FL Cert# 278, Yoonhwak Kim, FL PE #86367

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

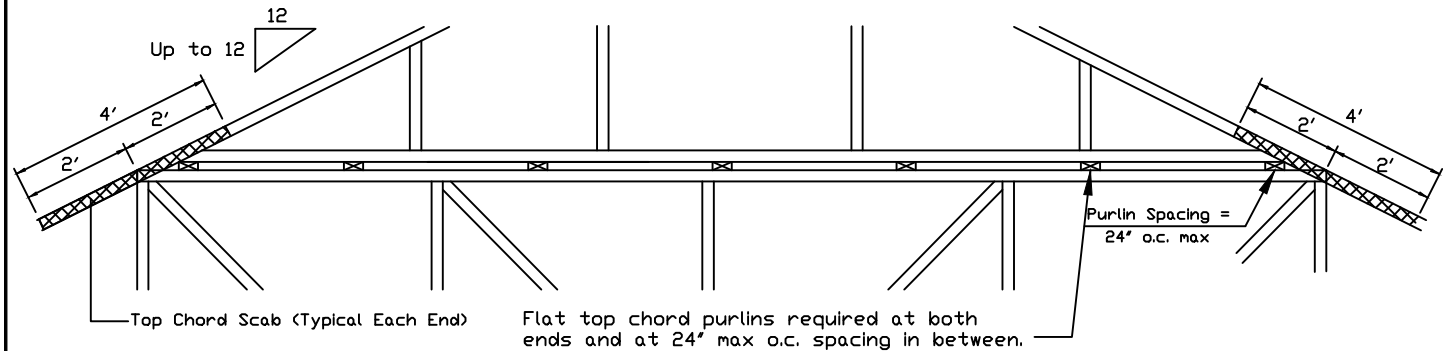
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, Wind DL= 5.0 psf (min), Kzt=1.0.

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.

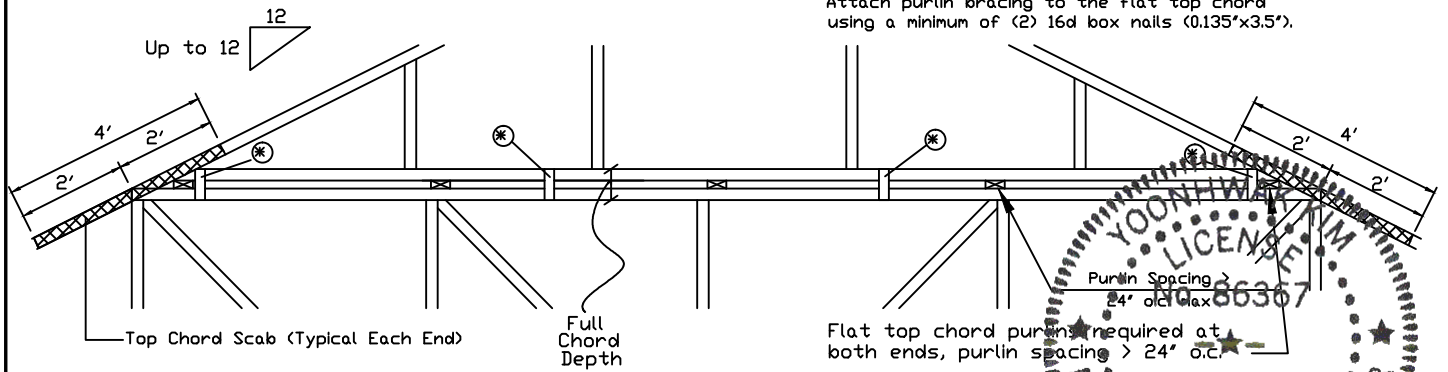
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

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.

YOONHWAK KIM LICENSE NO. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

ALPINE
AN ITW COMPANY

13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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 & 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 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

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

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

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

** Attach each valley to every supporting truss with:
(2) 16d box (0.135" x 3.5") nails toe-nailed for
ASCE 7-16, 30' Mean Height, Enclosed Building, Exp. C,
Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on
supporting truss material at connection location:
170 mph for SP (G = 0.55, min.),
155 mph for DF-L (G = 0.50, min.), or
120 mph for HF & SPF (G = 0.42, min.).

Maximum top chord pitch is 10/12 for supporting trusses below valley trusses.

Bottom chord of valley trusses may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

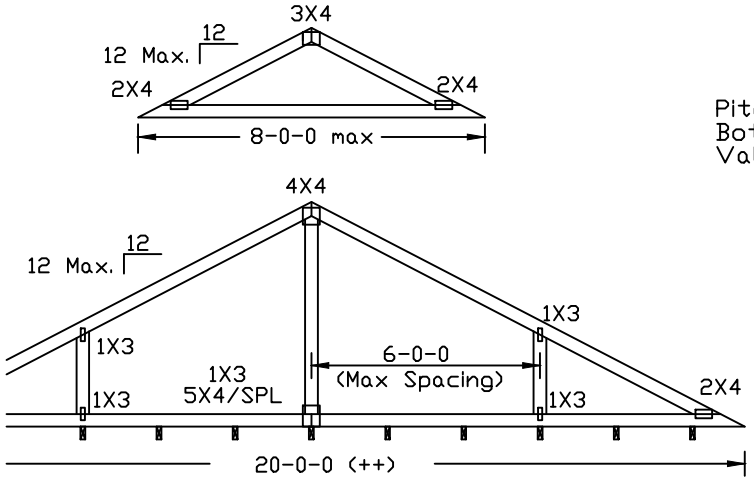
All plates shown are Alpine Wave Plates.

Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

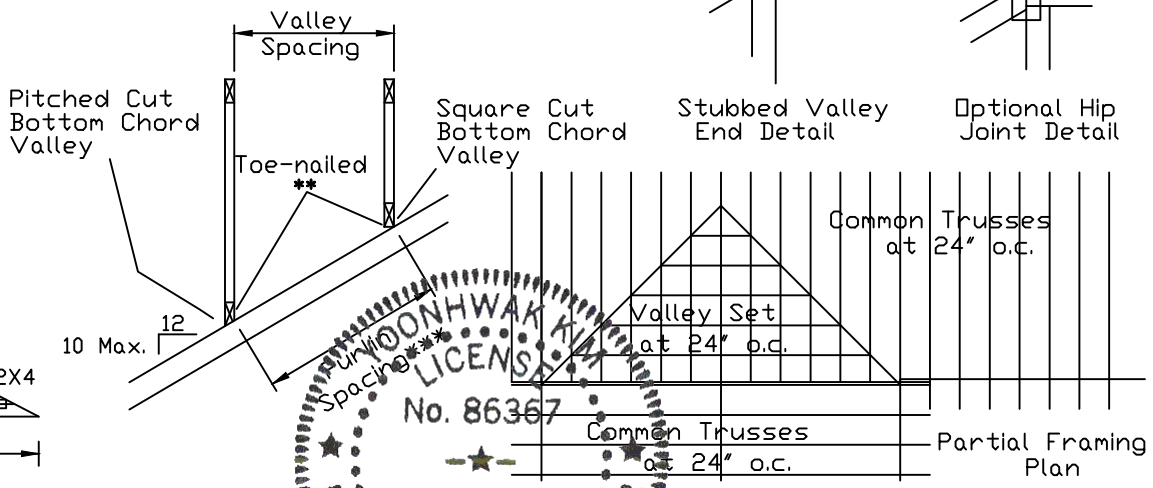
Top chord of truss beneath valley set must be braced with:
properly attached, rated sheathing applied prior to valley truss installation.
Or
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design
Or
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.

++ Larger spans may be built as long as the vertical height does not exceed 14'-0".



Supporting trusses at 24" o.c. maximum spacing.



ALPINE
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TC LL	30	30	40 PSF
TC DL	20	15	7 PSF
BC DL	10	10	10 PSF
BC LL	0	0	0 PSF
TOT. LD.	60	55	57 PSF
DUR.FAC.	1.25/1.33	1.15	1.15
SPACING		24.0"	

REF	VALLEY DETAIL
DATE	01/26/2018
DRWG	VALTN160118

01/26/2021
FL REG# 278, Yoonhwak Kim, FL PE #86367