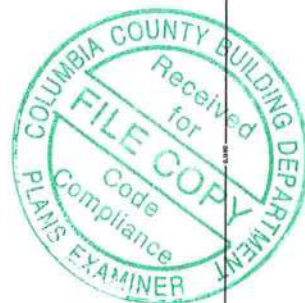
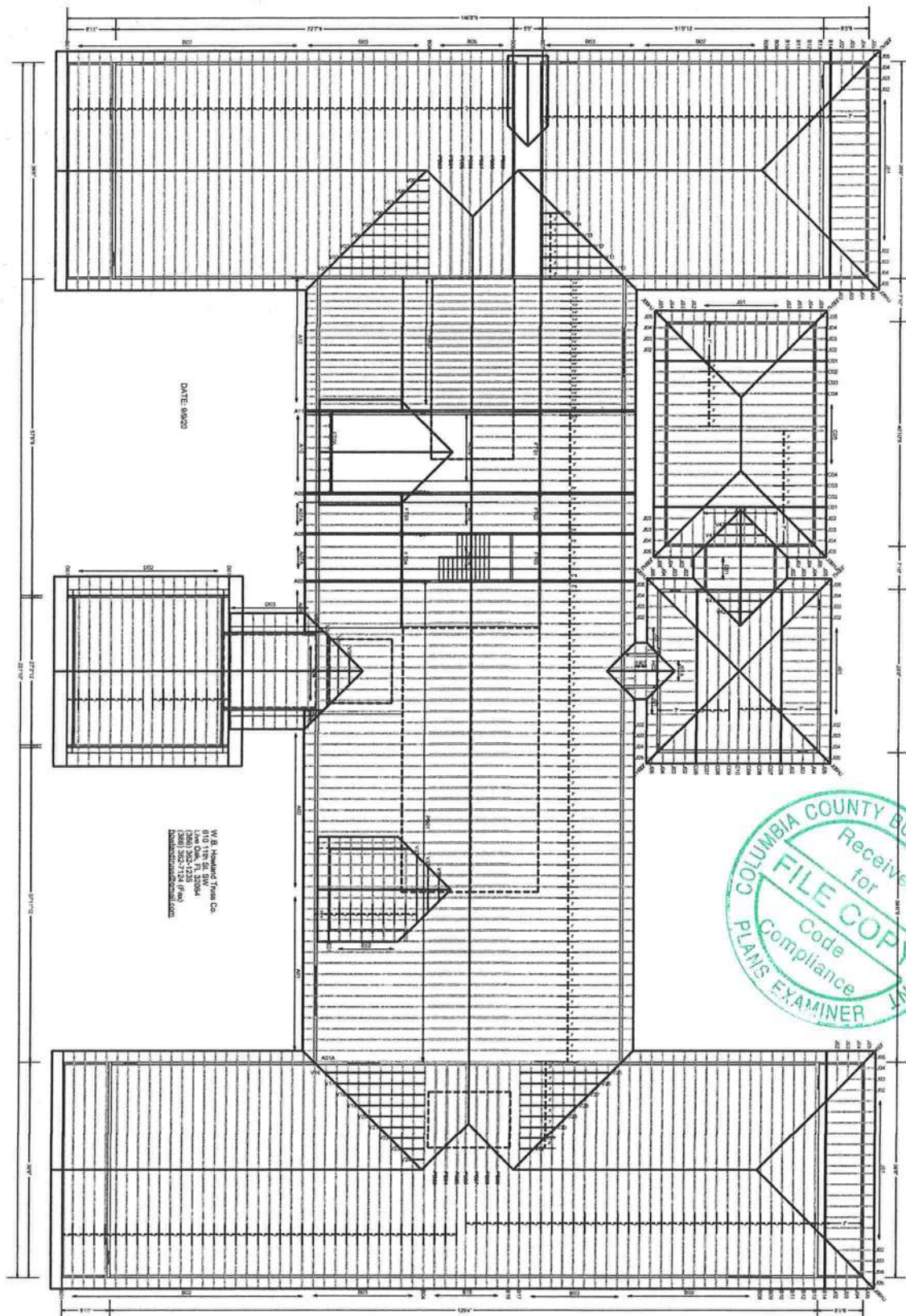




DATE: 06/20

W. B. Howard's Trust Co.
610 11th St. SW
Columbia, SC 29204
(803) 252-7124 (FAX)
bush@wbh.com

13

JOB #: 20-4538

Job Name: Grande Cypress ALF
Customer: Guy Sorensen Milton Smith
Designer: Bill Eklund
ADDRESS:
SALESMAN: Fill in later
: <Not Found>

JOB NO:
20-4538

PAGE NO:
1 OF 1



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

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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: 20-4538
Job Description: Grande Cypress ALF	
Address:	

Job Engineering Criteria:			
Design Code: FBC 2017 RES		IntelliVIEW Version: 18.02.01B through 20.01.01A JRef #: 1WYe2150005	
Wind Standard: ASCE 7-10	Wind Speed (mph): 130	Roof Load (psf): 20.00-10.00- 0.00-10.00	
Building Type: Closed		Floor Load (psf): None	

This package contains general notes pages, 115 truss drawing(s) and 6 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	248.20.0954.36703	A01	2	248.20.0954.38780	A01A
3	248.20.0954.41427	A02	4	248.20.0954.43413	A03
5	248.20.0954.46823	A04	6	248.20.0945.03349	A05
7	248.20.0945.03692	A06	8	248.20.0945.02335	A07A
9	248.20.0945.02303	A07B	10	248.20.0945.02833	A08
11	248.20.0945.03786	A09	12	248.20.0945.04362	A10
13	248.20.0945.03724	A11	14	248.20.0945.03911	A12
15	248.20.0945.03442	B01	16	248.20.0945.04128	B02
17	248.20.0945.04253	B03	18	248.20.0945.03242	B04
19	248.20.0945.04270	B05	20	248.20.0945.02865	B06
21	248.20.0945.03068	B07	22	248.20.0945.02803	B08
23	248.20.0945.03256	B09	24	248.20.0945.02989	B10
25	248.20.0945.03037	B11	26	248.20.0945.02958	B12
27	248.20.0945.02381	B13	28	248.20.0945.04113	B14
29	248.20.0945.04004	B15	30	248.20.0945.04409	B16
31	248.20.0945.04191	B17	32	248.20.0945.03568	C01
33	248.20.0945.02210	C02	34	248.20.0945.02678	C03
35	248.20.0945.03114	C04	36	248.20.0945.03178	C05
37	248.20.0945.04066	C06	38	248.20.0945.02679	C07
39	248.20.0945.04037	C08	40	248.20.0945.03879	C09
41	248.20.0945.04223	C10	42	248.20.0945.03100	D01
43	248.20.0945.02507	D02	44	248.20.0945.02757	D03
45	248.20.0945.04019	E01	46	248.20.0945.04316	E02
47	248.20.0945.03395	E03	48	248.20.0945.03380	FT01
49	248.20.0945.02242	FT02	50	248.20.0945.03599	FT03
51	248.20.0945.03286	FT04	52	248.20.0945.04332	FT05



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4538
Job Description: Grande Cypress ALF	
Address:	

Item	Drawing Number	Truss
53	248.20.0945.02287	FT06
55	248.20.0945.03536	H01
57	248.20.0945.03677	J01
59	248.20.0945.04379	J01B
61	248.20.0945.02850	J03
63	248.20.0945.03676	J05
65	248.20.0945.02554	PB01
67	248.20.0945.03022	PB03
69	248.20.0945.03241	PB05
71	248.20.0945.03738	PB07
73	248.20.0945.02943	PB09
75	248.20.0945.03411	V02
77	248.20.0945.03630	V04
79	248.20.0945.02772	V06
81	248.20.0945.02258	V08
83	248.20.0945.03863	V10
85	248.20.0945.02226	V12
87	248.20.0945.03240	V14
89	248.20.0945.03475	V16
91	248.20.0945.02945	V18
93	248.20.0945.02460	V20
95	248.20.0945.03333	V22
97	248.20.0945.03832	V24
99	248.20.0945.02725	V26
101	248.20.0945.02522	V28
103	248.20.0945.02756	V30
105	248.20.0945.02257	V32
107	248.20.0945.02647	V34
109	248.20.0945.03864	V36
111	248.20.0945.04036	V38
113	248.20.0945.04284	V40
115	248.20.0945.03069	V42
117	A14030ENC101014	
119	GBLLETIN0118	

Item	Drawing Number	Truss
54	248.20.0945.02804	G01
56	248.20.0945.03520	H02
58	248.20.0945.02710	J01A
60	248.20.0945.02944	J02
62	248.20.0945.03161	J04
64	248.20.0945.03848	J06HJ
66	248.20.0954.52253	PB02
68	248.20.0945.04175	PB04
70	248.20.0945.02568	PB06
72	248.20.0945.03535	PB08
74	248.20.0945.03301	V01
76	248.20.0945.03801	V03
78	248.20.0945.04300	V05
80	248.20.0945.02523	V07
82	248.20.0945.02476	V09
84	248.20.0945.04159	V11
86	248.20.0945.04207	V13
88	248.20.0945.03646	V15
90	248.20.0945.03941	V17
92	248.20.0945.02569	V19
94	248.20.0945.03474	V21
96	248.20.0945.04144	V23
98	248.20.0945.04097	V25
100	248.20.0945.02443	V27
102	248.20.0945.03693	V29
104	248.20.0945.04347	V31
106	248.20.0945.02880	V33
108	248.20.0945.03476	V35
110	248.20.0945.03101	V37
112	248.20.0945.04051	V39
114	248.20.0945.03755	V41
116	A14015ENC101014	
118	BRCLBSUB0119	
120	PB160101014	



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Site Information:	Page 3:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4538
Job Description: Grande Cypress ALF	
Address:	

Item	Drawing Number	Truss
121	VAL160101014	

Item	Drawing Number	Truss

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.

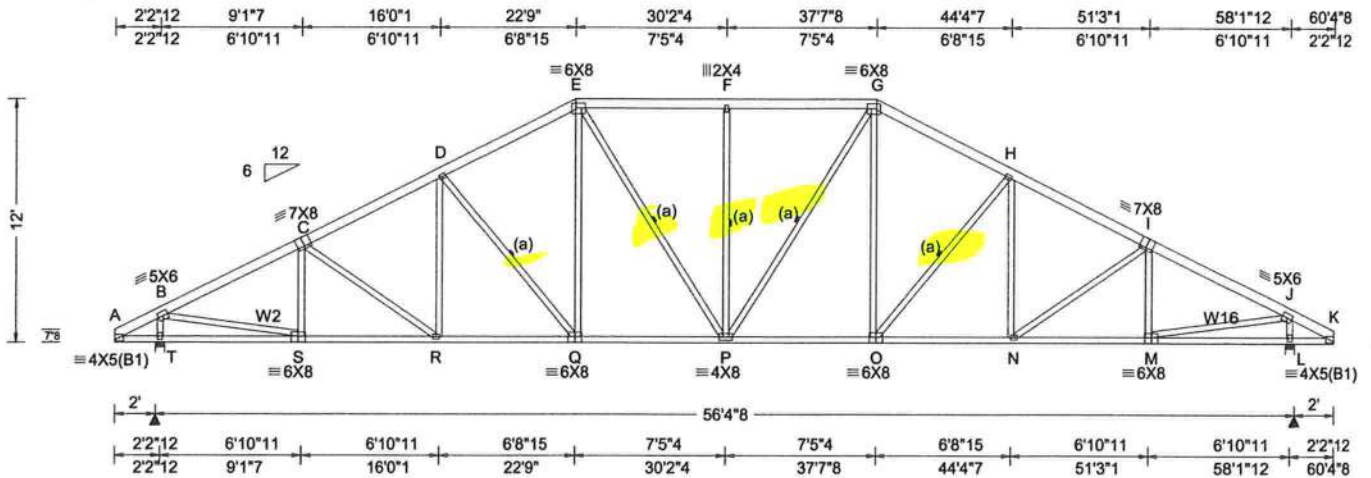
Refer to ASCE-7 for Wind and Seismic abbreviations.

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: 332816 FROM: CDM	COMN Qty: 15	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: A01	Cust: R 215 JRef: 1WYe2150005 T86 DrwNo: 248.20.0954.36703 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 Std: ASCE 7-10 Speed: 130 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: 6.00 ft Loc. from endwall: not in 17.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.173 F 999 240 VERT(CL): 0.356 F 999 180 HORZ(LL): 0.097 L - - HORZ(TL): 0.200 L - - Creep Factor: 2.0 Max TC CSI: 0.145 Max BC CSI: 0.806 Max Web CSI: 0.609 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL T 2486 /- /- /1536 /39 /325 L 2486 /- /- /1536 /39 /- Wind reactions based on MWFRS T Brg Width = 5.5 Min Req = 2.6 L Brg Width = 5.5 Min Req = 2.6 Bearings T & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 840 -3342 F - G 915 -2783 C - D 928 -3353 G - H 917 -2986 D - E 917 -2986 H - I 928 -3353 E - F 915 -2783 I - J 840 -3342

Lumber
Top chord: 2x6 SP 2400F-2.0E;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W2,W16 2x4 SP #2;

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

Plating Notes
All plates are 3X4 except as noted.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left and right cantilevers are exposed to wind

Additional Notes
WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.
The overall height of this truss excluding overhang is 12'-0".

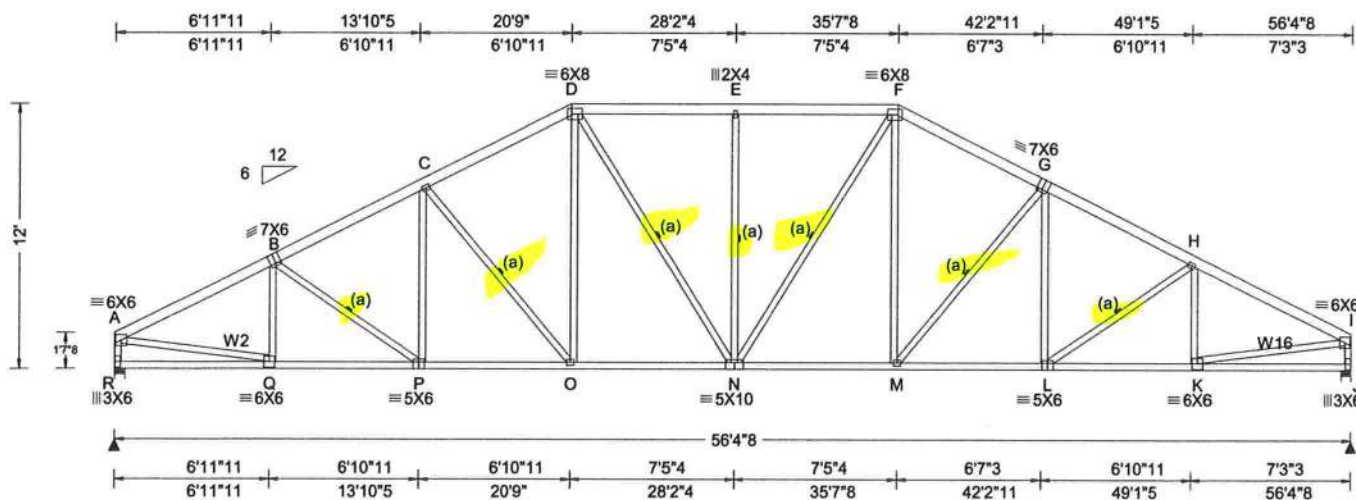


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09/04/2020

****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: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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SEQN: 332818 FROM: CDM	COMN Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: A01A	Cust: R 215 JRef: 1WYe2150005 T49 DrwNo: 248.20.0954.38780 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 Std: ASCE 7-10 Speed: 130 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: 5.64 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.185 E 999 240 VERT(CL): 0.381 E 999 180 HORZ(LL): 0.098 J - - HORZ(TL): 0.203 J - - Creep Factor: 2.0 Max TC CSI: 0.171 Max BC CSI: 0.839 Max Web CSI: 0.693 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL R 2322 - / - / - /1375 /407 /294 J 2322 - / - / - /1375 /407 /- Wind reactions based on MWFRS R Brg Width = 5.5 Min Req = 2.7 J Brg Width = 5.5 Min Req = 2.7 Bearings R & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 900 -3517 E - F 929 -2846 B - C 954 -3456 F - G 927 -3055 C - D 928 -3056 G - H 954 -3457 D - E 929 -2846 H - I 901 -3518

Lumber

Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W2, W16 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

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The overall height of this truss excluding overhang is 12'-0".



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09/04/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
Q - P	3083 -727	N - M	2651 -538
P - O	2999 -672	M - L	2998 -672
O - N	2651 -537	L - K	3084 -728

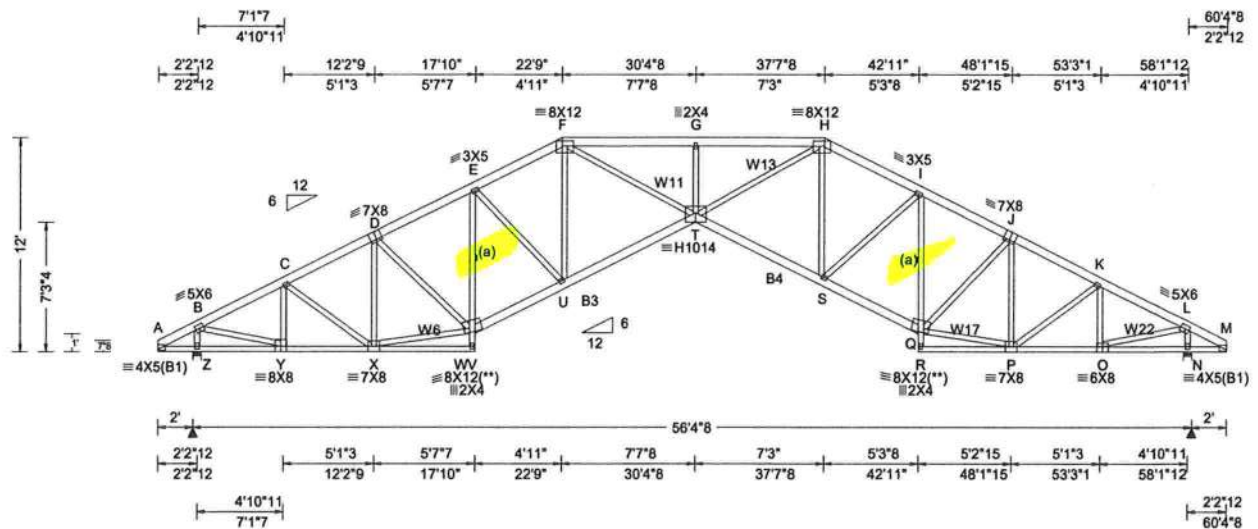
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - R	616 -2259	F - M	573 -141
A - Q	3070 -721	M - G	213 -551
Q - B	169 -383	H - K	169 -384
C - O	213 -553	K - I	3072 -722
D - O	575 -142	I - J	616 -2259
E - N	188 -458		

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

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Suite 305
Orlando FL, 32821

SEQN: 332820 FROM: CDM	COMN Qty: 15	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: A02	Cust: R 215 JRef: 1WYe2150005 T41 DrwNo: 248.20.0954.41427 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.455 G 999 240	Z	2516	/-	/-	/1564	/23	/325
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.949 G 707 180	N	2516	/-	/-	/1564	/23	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.296 N - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.617 N - -	Z	Brg Width = 5.5		Min Req = 2.6			
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	N	Brg Width = 5.5		Min Req = 2.6			
NCBCLL: 0.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.360	Bearings Z & N are a rigid surface.						
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.703	Members not listed have forces less than 375#						
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.999	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	C&C Dist a: 6.00 ft	Rep Fac: Yes		Chords	Tens.Comp.	Chords	Tens.	Comp.		
	Loc. from endwall: not in 17.00 ft	FT/RT:20(0)/10(0)		B - C	745 - 3086	G - H	1709	- 7660		
	GCpi: 0.18	Plate Type(s):	VIEW Ver: 20.01.01A.0724.11							
	Wind Duration: 1.60	WAVE, HS								

Lumber
Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP #2; B3,B4 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W6,W11,W13,W17,W22 2x4 SP #2;

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

Plating Notes
All plates are 3X4 except as noted.
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left and right cantilevers are exposed to wind

Additional Notes
WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.
The overall height of this truss excluding overhang is 12'-0-0.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
Y - X	2712 - 591	T - S	4387 - 750
V - U	3696 - 733	S - Q	3730 - 744
U - T	4290 - 734	P - O	2716 - 593

Maximum Web Forces Per Ply (lbs)

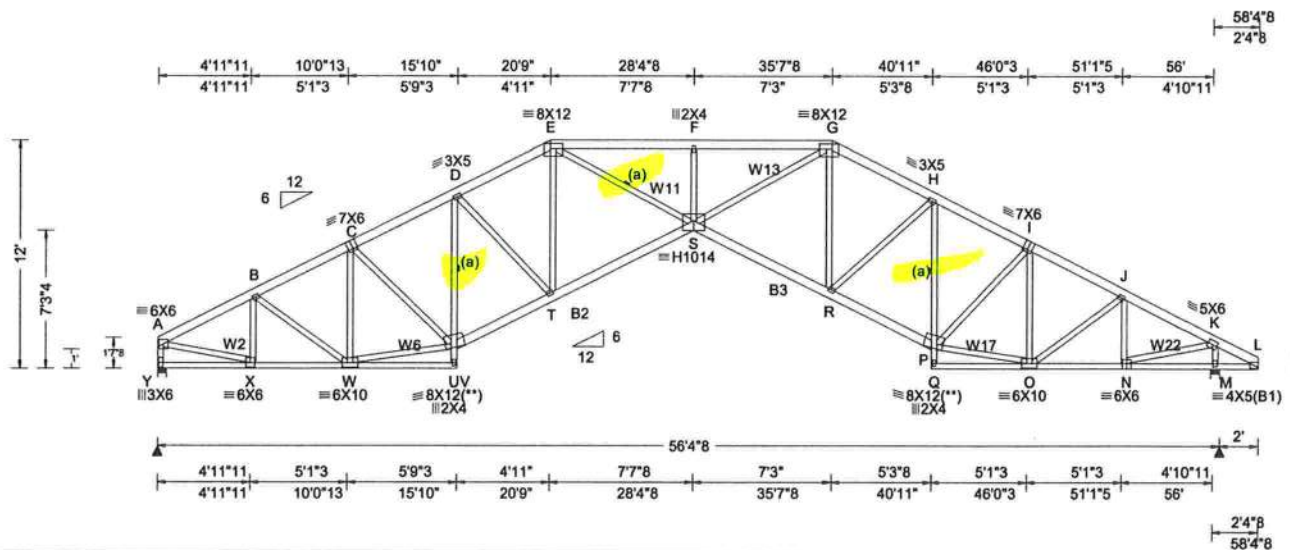
Webs	Tens.Comp.	Webs	Tens. Comp.
Z - B	665 - 2404	T - H	4341 - 789
B - Y	2623 - 570	S - H	83 - 686
Y - C	180 - 650	S - I	812 - 63
C - X	397 - 48	I - Q	234 - 1151
X - D	178 - 737	Q - J	405 - 50
X - V	3024 - 630	Q - P	3037 - 631
V - E	225 - 1134	J - P	185 - 784
E - U	784 - 60	P - K	390 - 46
F - U	82 - 677	K - O	181 - 652
F - T	4389 - 797	O - L	2636 - 572
G - T	201 - 378	L - N	665 - 2406

FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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SEQN: 332822 FROM: CDM	SPEC Qty: 3	Job Number: 20-4538 Grande Cypress ALF Truss Label: A03	Cust: R 215 JRef: 1WYe2150005 T42 DrwNo: 248.20.0954.43413 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.464 F 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.967 F 696 180	Y	2338	/-	/-	/1399	/390	/314
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.299 M - -	M	2529	/-	/-	/1569	/407	/-
	EXP: C Kzt: NA		HORZ(TL): 0.624 M - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Creep Factor: 2.0	Y	Brg Width = 5.5		Min Req = 2.8			
NCBCLL: 0.00	TCDL: 5.0 psf		Max TC CSI: 0.365	M	Brg Width = 5.5		Min Req = 2.6			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.733	Bearings Y & M are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.998	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 5.84 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 13.00 ft			Chords	Tens.Comp.	Chords	Tens. Comp.			
	GCpi: 0.18		VIEW Ver: 20.01.01A.0724.11	A - B	826	- 3285	F - G	1749	- 7745	
	Wind Duration: 1.60									

Lumber
 Top chord: 2x6 SP 2400f-2.0E;
 Bot chord: 2x4 SP #2; B2,B3 2x6 SP 2400f-2.0E;
 Webs: 2x4 SP #3; W2,W6,W11,W13,W17,
 W22 2x4 SP #2;

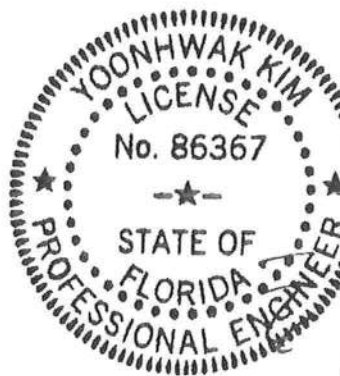
Bracing
 (a) Continuous lateral restraint equally spaced on member.

Plating Notes
 All plates are 3X4 except as noted.
 (**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Purlins
 In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Right cantilever is exposed to wind

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 12'-0".



FL REG# 278, Yoonhwak Kim, FL PE #86367
 09/04/2020

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
X - W	2908 - 657	S - R	4426 - 768
U - T	3771 - 738	R - P	3759 - 756
T - S	4355 - 738	O - N	2733 - 599

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
A - Y	600 - 2290	R - G	84 - 699
A - X	2938 - 691	R - H	824 - 64
X - B	185 - 603	H - P	239 - 1164
W - C	167 - 683	P - I	412 - 53
W - U	3117 - 638	P - O	3058 - 639
U - D	222 - 1123	I - O	188 - 791
D - T	770 - 51	O - J	395 - 48
E - T	74 - 663	J - N	181 - 657
E - S	4419 - 809	N - K	2652 - 571
F - S	200 - 376	K - M	663 - 2419
S - G	4399 - 791		

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

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Lumber	B - C	1089 - 4357	H - I	1746 - 7747
Top chord: 2x6 SP 2400f-2.0E;	C - D	1053 - 4205	I - J	1159 - 4487
Bot chord: 2x4 SP #2; B4,B5 2x6 SP 2400f-2.0E;	D - E	1031 - 3947	J - K	1010 - 3810
Webs: 2x4 SP #3; W2,W11,W17,W19,W23,	E - F	1047 - 3839	K - L	884 - 3469
W28 2x4 SP #2;	F - G	1128 - 4406	L - M	752 - 3107

AC-AB	4020	-942	V - U	4352	-735
AB-AA	3926	-873	U - T	4426	-766
AA-Z	3702	-755	T - R	3758	-754
W - V	3709	-723	Q - P	2733	-598

Purlins		Webs	Tens. Comp.	Webs	Tens. Comp.
In lieu of structural panels use purlins to brace all flat		A-AE	573 - 2278	T - I	84 - 701
TC @ 24" oc.		A-AC	3937 - 951	T - J	824 - 63
		D - Z	150 - 382	J - R	238 - 1163

Wind	Wind loads based on MWFRS with additional C&C member design.	Z - F	1021	-255	R - K	412	-52
		Z - W	3266	-640	R - Q	3058	-638
		F - W	447	-2186	K - Q	187	-791
		F - V	921	-82	Q - J	395	-48

Right cantilever is exposed to wind	G - V	321	-602	G - L	393	-650
	G - V	79	-668	L - P	181	-657
	G - U	4428	-809	P - M	2652	-571
	H - U	100	-377	M - O	662	-2419

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 12'-0"

FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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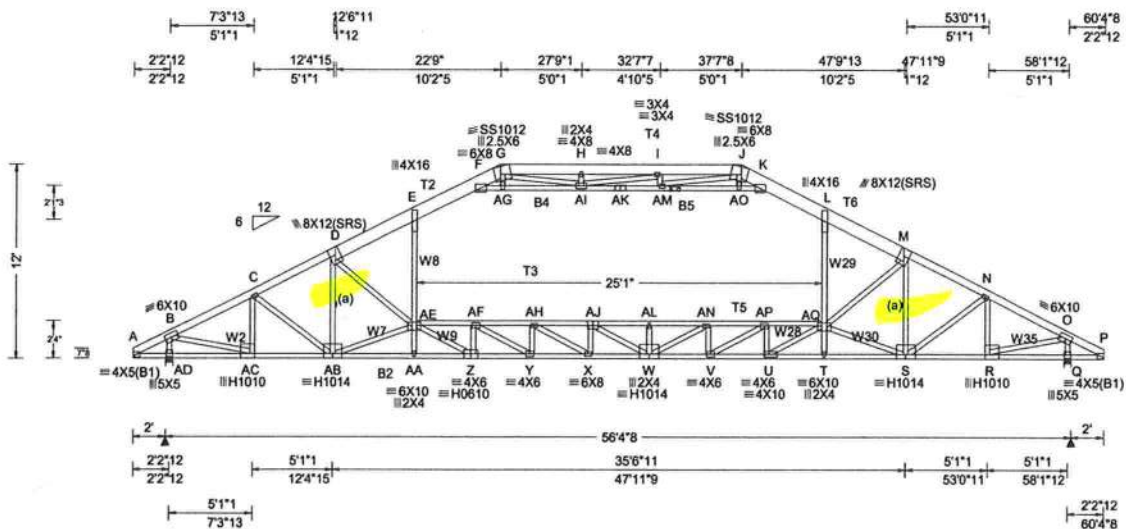
For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



ALPINE

6750 Forum Drive
Suite 305
Orlando FL 32821

SEQN: 316705 / FROM: CDM Page 1 of 2	ATIC Qty: 4	Job Number: 20-4538 Grande Cypress ALF Truss Label: A05	Cust: R 215 JRef: 1WYe2150005 T46 / DrwNo: 248.20.0945.03349 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-10 Speed: 130 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: 6.00 ft Loc. from endwall: not in 17.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS, 18SS	PP Deflection in loc L/defl L/# VERT(LL): 0.729 H 920 240 VERT(CL): 1.359 H 493 180 HORZ(LL): 0.233 E - - HORZ(TL): 0.460 E - - Creep Factor: 2.0 Max TC CSI: 0.713 Max BC CSI: 0.782 Max Web CSI: 0.807 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ /R- /Rh /Rw /U /RL AD 4116 /- /- /1536 /19 /324 Q 4116 /- /- /1536 /19 /- Wind reactions based on MWFRS AD Brg Width = 5.5 Min Req = 3.0 Q Brg Width = 5.5 Min Req = 3.0 Bearings AD & Q are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x6 SP 2400f-2.0E; T2, T6 2x10 SP 2400f-2.0E; T3,T5 2x4 SP #2; T4 2x8 SP 2400f-2.0E;
Bot chord: 2x4 SP M-31; B2,B4,B5 2x4 SP #2; Webs: 2x4 SP #3; W2,W35 2x4 SP M-31; W7,W8,W9, W28,W29,W30 2x4 SP #2;

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

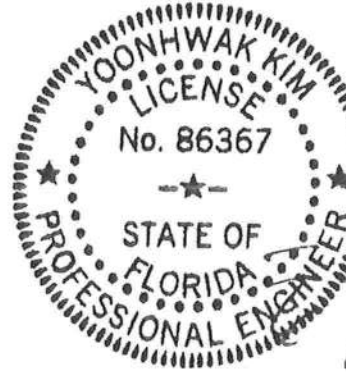
Plating Notes
All plates are 3X5 except as noted.

Loading
Attic room loading from 17-7-12 to 42-8-12: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left and right cantilevers are exposed to wind

Additional Notes
WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.
The overall height of this truss excluding overhang is 12'-0-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

Chords	Tens.Comp.	Chords	Tens. Comp.
AC-AB	4853 -616	W - V	7037 -467
AB-AA	3239 -632	V - U	5649 -544
AA - Z	3241 -634	U - T	3296 -648
Z - Y	5613 -533	T - S	3296 -647
Y - X	7039 -459	S - R	4853 -617
X - W	7771 -406		

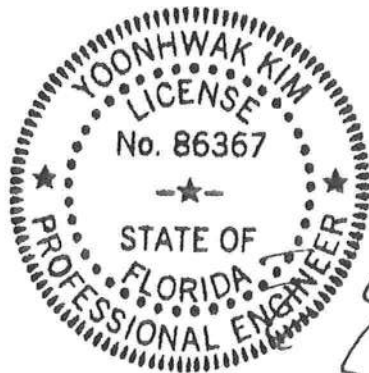
Maximum Web Forces Per Ply (lbs)	Maximum Bot Chord Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.	Chords Tens.Comp. Chords Tens. Comp.
AD - B 678 -3980	AJ-AL 164 -2280
B - AC 4672 -597	AK-AM 119 -4223
AC - C 184 -1176	W - AN 1149 -192
C - AB 1084 -59	AL - AN 164 -2280
AB - D 124 -1703	AM - AO 474 -4887
AB-AE 3539 -311	AN - J 791 -394
D - AE 522 -452	AM - V 98 -923
E - AE 2709 -103	AN - AP 390 -1679
AE - Z 3231 -192	V - AP 1883 -165
AE - AF 929 -383	AO - J 1325 -129
Z - AF 107 -1466	AO - K 506 -5213
AF - Y 1889 -165	AP - U 115 -1470
AF - AH 225 -1635	AP - AQ 978 -550
F - AG 490 -5140	U - AQ 3224 -211
G - AG 1320 -126	AQ - L 2718 -101

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SEQN: 316705 / FROM: CDM Page 2 of 2	ATIC Ply: 1 Qty: 4	Job Number: 20-4538 Grande Cypress ALF Truss Label: A05	Cust: R 215 JRef: 1WYe2150005 T46 / DrwNo: 248.20.0945.03349 / YK 09/04/2020
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G-AI	348	-410	AQ- M	533	-494
AG-AI	459	-4816	AQ- S	3574	-474
Y-AH	98	-921	M - S	180	-1720
AH- X	1076	-186	S - N	1083	-59
AH-AJ	9	-2226	N - R	184	-1175
AI-AK	119	-4223	R - O	4672	-597
AI- I	104	-815	O - Q	678	-3981
X-AJ	110	-503			



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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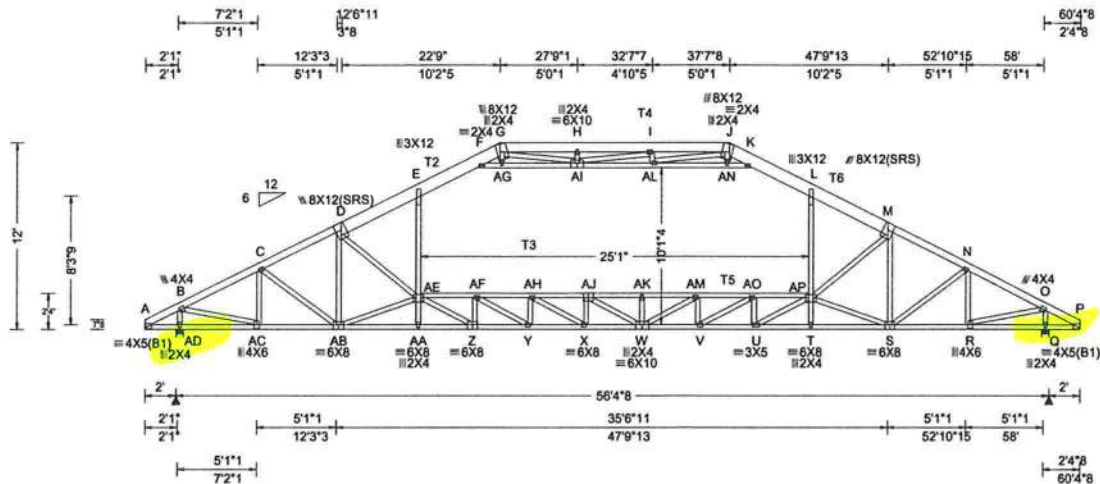
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6750 Forum Drive
Suite 305
Orlando FL, 32821

3 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	AD 4124	/-	/-		/1556	/827	/424
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.265 H 999 240	Q 4124	/-	/-		/1556	/951	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.500 H 999 180	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.083 E - -	AD Brg Width = 5.5 Min Req = 1.5						
	EXP: C Kzt: NA		HORZ(TL): 0.164 E - -	Q Brg Width = 5.5 Min Req = 1.5						
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearings AD & Q are a rigid surface.						
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.237	Members not listed have forces less than 375#						
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.632	Maximum Top Chord Forces Per Ply (lbs)						
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max Web CSI: 0.585	Chords	Tens.Comp.	Chords	Tens. Comp.			
Spacing: 24.0 "	C&C Dist a: 6.00 ft	Rep Fac: Yes		B - C	371 - 1824	I - J	229	- 666		
	Loc. from endwall: not in 17.00 ft	FT/RT:20(0)/10(0)								
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.09							

Lumber
Top chord: 2x6 SP 2400f-2.0E; T2, T6 2x10 SP 2400f-2.0E; T3, T5 2x4 SP #2; T4 2x8 SP 2400f-2.0E;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

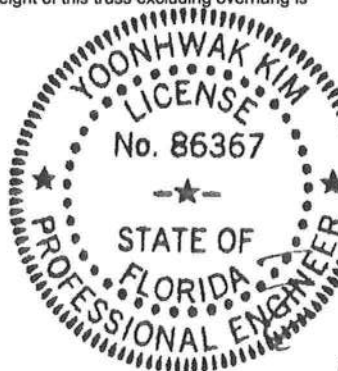
Nailnote
Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 9.25" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes
All plates are 3X4 except as noted.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind
Wind loads based on MWFRS.
Left and right cantilevers are exposed to wind

Additional Notes
WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.
The overall height of this truss excluding overhang is 12'-0-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
AC-AB	1617 - 326	W - V	2248 - 312
AB-AA	985 - 285	V - U	1869 - 391
AA-Z	984 - 287	U - T	972 - 504
Z - Y	1909 - 212	T - S	973 - 499
Y - X	2311 - 206	S - R	1617 - 379
X - W	2485 - 222		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
AD - B	286 - 1331	W - AM	386 - 81
B - AC	1535 - 309	AK - AM	78 - 652
AC - C	103 - 386	AL - AN	258 - 1721
AB - D	121 - 612	AL - J	459 - 83
AB - AE	1295 - 177	AM - AO	169 - 421
E - AE	1049 - 111	V - AO	627 - 73
AE - Z	1220 - 87	AN - J	448 - 67
AE - AF	439 - 194	AN - K	275 - 1831
Z - AF	46 - 494	AO - U	49 - 496
AF - Y	629 - 72	AO - AP	442 - 206
AF - AH	110 - 431	U - AP	1208 - 93
F - AG	309 - 1800	AP - L	1054 - 139
AG - G	448 - 76	AP - S	1303 - 200
AG - AI	290 - 1691	M - S	73 - 615
AH - AJ	23 - 632	N - R	117 - 386

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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6750 Forum Drive
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SEQN: 316657 /	SPEC	Ply: 3	Job Number: 20-4538	Cust: R 215 JRef: 1WYe2150005 T48 /
FROM: CDM		Qty: 1	Grande Cypress ALF	DrwNo: 248.20.0945.03692
Page 2 of 2			Truss Label: A06	/ YK 09/04/2020

AI-AL	178 - 1434	R - O	1535	- 358
AJ-AK	78 - 652	O - Q	326	- 1331



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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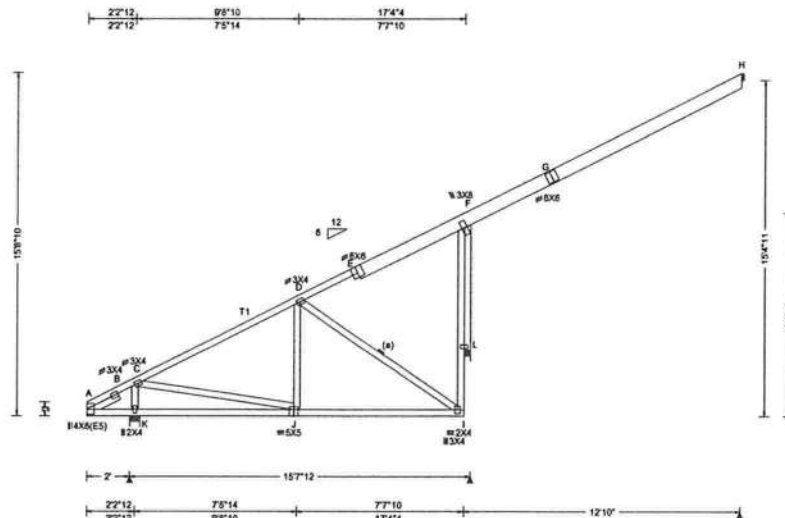
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6750 Forum Drive
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SEQN: 316603 / FROM: CDM	MONO Qty: 6	Job Number: 20-4538 Grande Cypress ALF Truss Label: A07A	Cust: R215 JRef:1WYe2150005 T12 / DrwNo: 248.20.0945.02335 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg.Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.27 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defi L/# VERT(LL): 0.013 J 999 240 VERT(CL): 0.028 J 999 180 HORZ(LL): -0.007 F - - HORZ(TL): 0.010 F - - Creep Factor: 2.0 Max TC CSI: 0.551 Max BC CSI: 0.665 Max Web CSI: 0.338 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL K 793 /- /- /526 /- /296 L 1152 /- /- /680 /217 /- H 332 /- /- /154 /71 /- Wind reactions based on MWFRS K Brg Width = 5.5 Min Req = 1.5 L Brg Width = 3.5 Min Req = 3.5 H Brg Width = 1.5 Min Req = - Bearings K & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

Top chord: 2x8 SP 2400f-2.0E; T1 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.609'
Rt Bearing Leg: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

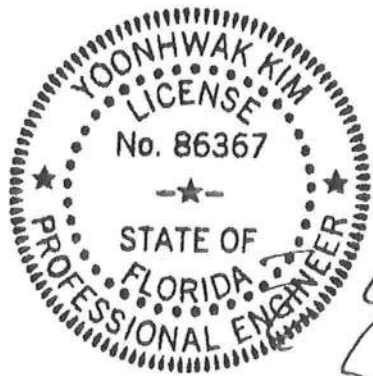
Wind

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

Left cantilever is exposed to wind

Additional Notes

The overall height of this truss excluding overhang is 15-8-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

C - D 0 - 623

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
K - J	166 - 520	J - I	461 - 180

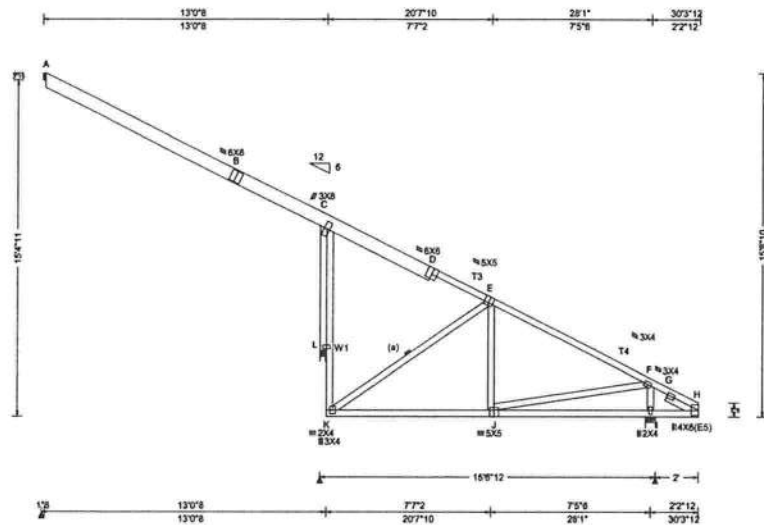
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
K - C	43 - 685	L - I	383 - 118
C - J	486 0	F - L	498 - 620
D - I	227 - 559		

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SEQN: 316588 / FROM: CDM	MONO Ply: 1 Qty: 13	Job Number: 20-4538 Grande Cypress ALF Truss Label: A07B	Cust: R 215 JRef: 1WYe2150005 T10 / DrwNo: 248.20.0945.02303 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.27 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.013 J 999 240 VERT(CL): 0.027 J 999 180 HORZ(LL): -0.007 K - - HORZ(TL): 0.014 K - - Creep Factor: 2.0 Max TC CSI: 0.551 Max BC CSI: 0.649 Max Web CSI: 0.239 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 334 /- /- /160 /- /340 L 1151 /- /- /741 /264 /- I 791 /- /- /569 /65 /- Wind reactions based on MWFRS A Brg Width = 1.5 Min Req = - L Brg Width = 3.0 Min Req = 1.5 I Brg Width = 5.5 Min Req = 1.5 Bearings L & 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.

Lumber
Top chord: 2x8 SP 2400f-2.0E; T3,T4 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W1 2x4 SP M-31;
Rt Slider: 2x4 SP #3; block length = 1.602'
Lt Bearing Leg: 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 cantilever is exposed to wind

Additional Notes
The overall height of this truss excluding overhang is 15-8-10.

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

K - J 458 -90

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

C - L 379 -57 K - E 119 -550

L - C 28 -479 F - I 313 -684

L - K 379 -57

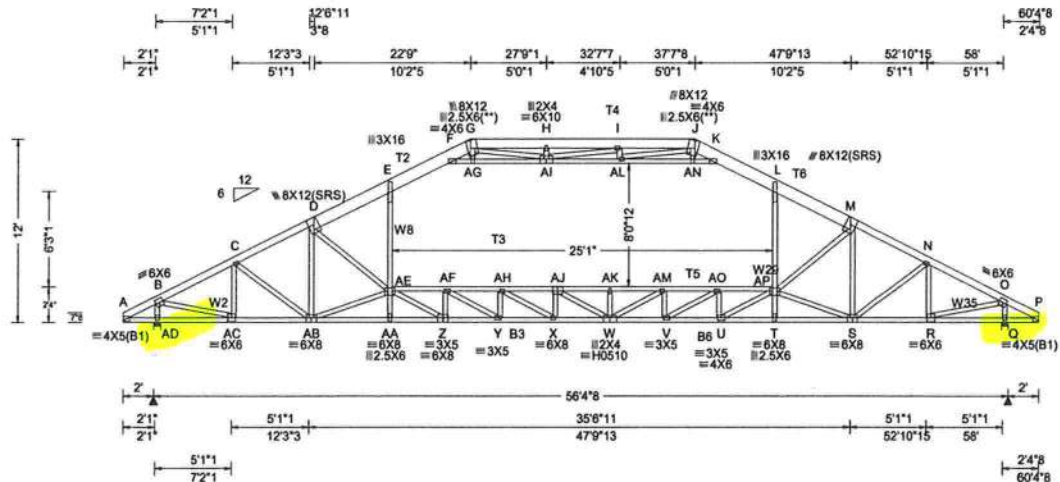


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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Orlando FL, 32821

3 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.488 H 999 240							
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.940 H 713 180	AD 7834	-	-	-	/1556	/1209	/424
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.181 E - -	Q 7844	-	-	-	/1556	/1440	-
	EXP: C Kzt: NA		HORZ(TL): 0.349 E - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	Creep Factor: 2.0	AD Brg Width = 5.5	Min Req = 2.7					
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.526	Q Brg Width = 5.5	Min Req = 2.7					
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.724	Bearings AD & Q are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: > 2h		Max Web CSI: 0.767	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 6.00 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 17.00 ft			Chords	Tens.Comp.	Chords	Tens. Comp.			
	GCpi: 0.18									
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.09	B - C	554 - 3599	I - J	180 - 1281			

Lumber
Top chord: 2x6 SP 2400f-2.0E; T2, T6 2x10 SP 2400f-2.0E; T3, T5 2x4 SP #2; T4 2x8 SP 2400f-2.0E;
Bot chord: 2x4 SP #2; B3, B6 2x4 SP M-31;
Webs: 2x4 SP #3; W2, W8, W29, W35 2x4 SP #2;

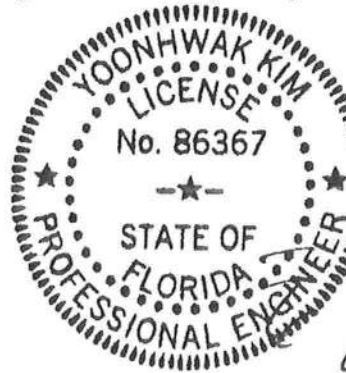
Nailnote
Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 9.25" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes
All plates are 3X4 except as noted.
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind
Wind loads based on MWFRS.
Left and right cantilevers are exposed to wind

Additional Notes
WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.
The overall height of this truss excluding overhang is 12'-0-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
AC-AB	3211 - 491	W - V	4246 - 610
AB-AA	2813 - 340	V - U	3751 - 723
AA - Z	2839 - 343	U - T	2861 - 888
Z - Y	3766 - 380	T - S	2836 - 878
Y - X	4254 - 407	S - R	3215 - 590
X - W	4496 - 456		

Maximum Web Forces Per Ply (lbs)

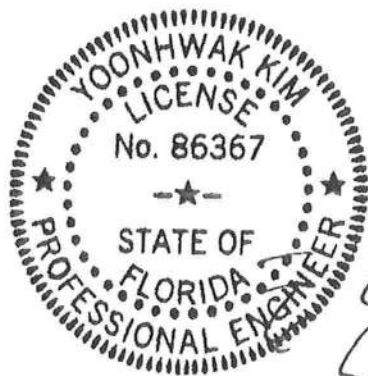
Webs	Tens.Comp.	Webs	Tens. Comp.
AD - B	412 - 2554	AJ-AK	75 - 1574
B - AC	3055 - 466	W - AM	638 - 83
AC - C	146 - 803	AK-AM	75 - 1574
C - AB	855 - 122	AL-AN	494 - 3793
AB - D	183 - 903	AL - J	896 - 56
AB-AE	1818 - 268	AM-AO	168 - 978
E - AE	2316 - 264	V - AO	1226 - 74
AE-AA	1298 - 186	AN - J	979 - 125
AE - Z	2012 - 88	AN - K	525 - 4035
Z - AF	47 - 656	AO - U	51 - 654
AF - Y	1231 - 74	U - AP	2011 - 96
AF-AH	99 - 974	AP - T	1311 - 350
F - AG	578 - 3978	AP - L	2307 - 309
G - AG	974 - 140	AP - S	1809 - 217
G - AI	720 - 313	M - S	79 - 903

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SEQN: 316653 /	SPEC	Ply: 3	Job Number: 20-4538	Cust: R 215 JRef: 1WYe2150005 T23 /
FROM: CDM		Qty: 1	Grande Cypress ALF	DrwNo: 248.20.0945.02833
Page 2 of 2			Truss Label: A08	/ YK 09/04/2020

AG-AI	544 - 3738	S - N	858 - 157
AH-X	621 - 80	N - R	172 - 807
AH-AJ	11 - 1549	R - O	3057 - 558
AI-AL	436 - 3733	O - Q	488 - 2556



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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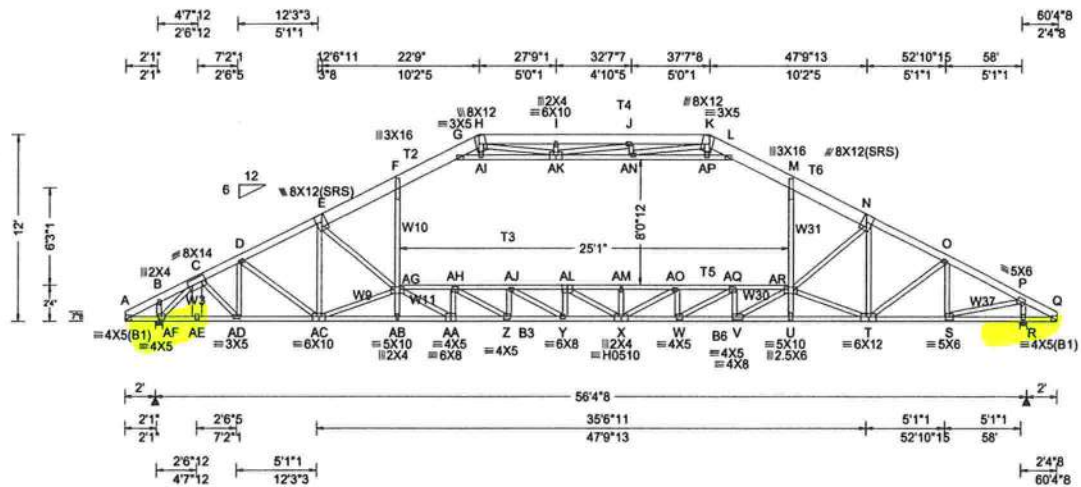
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Orlando FL, 32821

4 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.568 I 999 240	Loc	R+	R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.944 I 709 180	AF 7738	/-	/-	/-	/1540	/1272	/324
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.167 F - -	R 8675	/-	/-	/-	/1533	/1716	/-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	HORZ(TL): 0.278 F - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	AF Brg Width = 5.5	Min Req = 1.9					
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.441	R Brg Width = 5.5	Min Req = 2.2					
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.625	Bearings AF & R are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h		Max Web CSI: 0.863	Members not listed have forces less than 375#						
	C&C Dist a: 6.00 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 17.00 ft			Chords	Tens.Comp.	Chords	Tens.	Comp.		
	GCpi: 0.18									
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.09	C - D	388 - 2594	J - K	232	- 709		

Lumber
Top chord: 2x6 SP 2400f-2.0E; T2, T6 2x10 SP 2400f-2.0E; T3,T5 2x4 SP #2; T4 2x8 SP 2400f-2.0E;
Bot chord: 2x4 SP #2; B3,B6 2x4 SP M-31;
Webs: 2x4 SP #3; W3 2x8 SP 2400f-2.0E; W9,W10, W11,W30,W31,W37 2x4 SP #2;

Nailnote
Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 11.50" o.c.
Bot Chord: 1 Row @ 4.50" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.
In addition, apply (1) 0.22"-0.25" min/max dia. X 6.0" length wood screw at each joint location.

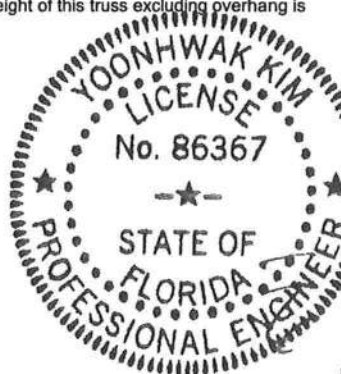
Plating Notes
All plates are 3X4 except as noted.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind
Wind loads based on MWFRS.
Left and right cantilevers are exposed to wind

Additional Notes
WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.

The overall height of this truss excluding overhang is 12'-0".



FL REG# 278, Yoonhwak Kim, FL PE # 86367
09/04/2020

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
AF-AE	1570 - 253	Y - X	5571 - 344
AE-AD	1569 - 254	X - W	4861 - 620
AD-AC	2355 - 351	W - V	3790 - 789
AC-AB	794 - 157	V - U	3674 - 1030
AB-AA	795 - 158	U - T	3636 - 1018
AA - Z	3297 - 131	T - S	2677 - 531
Z - Y	4825 - 223		

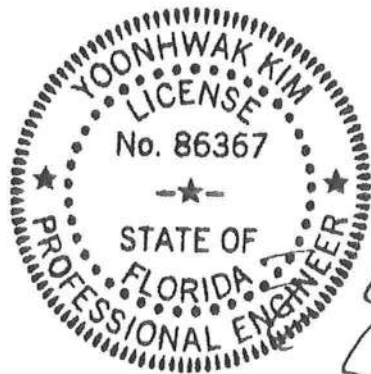
Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
AF - C	367 - 2251	AL-AM	39 - 2366
C - AD	1039 - 128	X - AO	868 - 209
AD - D	97 - 657	AM-AO	39 - 2366
D - AC	671 - 69	AN-AP	374 - 3092
AC - E	216 - 1174	AN - K	570 - 99
AC-AG	2327 - 461	AO - W	25 - 438
E - AG	395 - 113	AO-AQ	134 - 1556
F - AG	1936 - 194	W - AQ	1688 - 41
AG-AB	515 - 62	AP - K	791 - 94
AG-AA	2770 - 148	AP - L	397 - 3288
AG-AH	1076 - 391	AQ - V	29 - 891
AH - Z	79 - 908	AQ-AR	307 - 932
AH-AJ	1716 - 112	V - AR	2736 - 53
	284 - 1517	AR - U	1430 - 382

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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 316666 /	SPEC	Ply: 4	Job Number: 20-4538	Cust: R215 JRef: 1WYe2150005 T31 /
FROM: CDM		Qty: 1	Grande Cypress ALF	DrwNo: 248.20.0945.03786
Page 2 of 2			Truss Label: A09	/ YK 09/04/2020

G - AI	513	- 3265	AR- M	1945	- 286
H - AI	790	- 124	AR- N	344	- 610
AI-AK	483	- 3069	AR- T	2265	- 392
Z - AJ	68	- 459	N - T	44	- 1144
AJ- Y	871	- 128	T - O	739	- 148
AJ-AL	3	- 2325	O - S	153	- 676
AK- J	88	- 384	S - P	2541	- 502
AK-AN	356	- 2716	P - R	434	- 2122
AL- X	446	- 154			



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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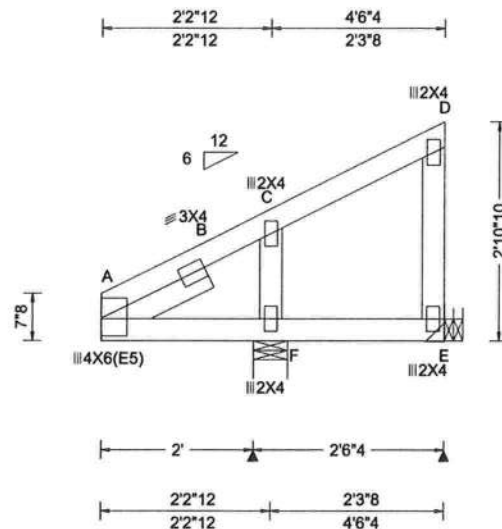
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316634 / FROM: CDM	MONO Qty: 7	Job Number: 20-4538 Grande Cypress ALF Truss Label: A10	Cust: R 215 JRef: 1WYe2150005 T51 / DrwNo: 248.20.0945.04362 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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 7-10 Speed: 130 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.033 F 811 240 VERT(CL): 0.071 F 374 180 HORZ(LL): -0.021 D - - HORZ(TL): 0.046 D - - Creep Factor: 2.0 Max TC CSI: 0.278 Max BC CSI: 0.237 Max Web CSI: 0.070 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 367 /- /- /295 /18 /43 E 48 /-41 /- /24 /36 /- 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#

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'

Hangers / Ties

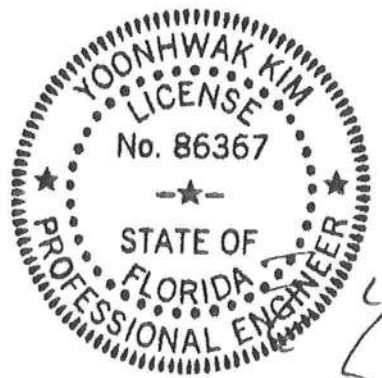
(J) Hanger Support Required, by others

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 2-10-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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

Lumber	Purlins	D - E	330 - 3074	L - M	406 - 3365
Top chord: 2x6 SP 2400f-2.0E; T2,	In lieu of structural panels use purlins to brace all flat	E - F	481 - 4369	M - N	521 - 4378
T6 2x10 SP 2400f-2.0E; T3,T5 2x4 SP #2;	TC @ 24" oc.	F - G	422 - 3372	N - O	586 - 3103
T4 2x8 SP 2400f-2.0E;		G - H	71 - 435	O - P	486 - 2581
Bot chord: 2x4 SP #2; B4 2x4 SP M-31;	Collar-tie braced with continuous lateral bracing at 24"	J - K	173 - 411		
Webs: 2x4 SP #3; W3 2x8 SP 2400f-2.0E; W9,W11,	oc. or rigid ceiling.				

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24 oc. or rigid ceiling.

Maximum Web Forces Per Ply (lbs)					
Webs		Tens.Comp.	Webs		Tens. Comp.
AI- C	287	-2166	AP-AR	61	-2329
C-AG	1011	-85	Y-AR	447	-23
AG- D	67	-621	AQ-AT	257	-3808
D- AF	633	-36	AR- X	54	-1030
AF- E	229	-2033	AR-AS	217	-1277
AF-AJ	4832	-567	X-AS	546	-35
E- AJ	1025	-163	AS- V	90	-1569
F- AJ	2425	-114	AS-AU	574	-270
AJ-AE	746	-42	AT- K	957	-65
AJ-AC	5337	-121	AT- L	273	-4045
AJ-AK	301	-542	V- U	194	-1851
AE-AC	224	-1877	V- AV	5029	-257
G- AL	452	-4000	AU-AV	526	-249
AK-AM	145	-1431	U- AV	747	-142
AK-AM	276	-568	AV- M	2462	-248
H- AL	955	-110	AV- N	980	-94

Plating Notes
All plates are 3X4 except as noted.

Wind
Wind loads based on MWFRS.
Left and right cantilevers are exposed to wind

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

SEQN: 316664 /	SPEC	Ply: 4	Job Number: 20-4538	Cust: R 215 JRef: 1WYe2150005 T65 /
FROM: CDM		Qty: 1	Grande Cypress ALF	DrwNo: 248.20.0945.03724
Page 2 of 2			Truss Label: A11	/ YK 09/04/2020

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer for the design of temporary bracing.

The overall height of this truss excluding overhang is 12-0-0.

AL-AO	425	-3764	AV- T	4862	- 60
AM-AB	492	-56	N - T	20	- 2025
AM-AN	113	-1468	T - O	625	-119
AB-AN	143	-931	O - S	128	-536
AN-AA	405	-60	S - P	2196	-406
AN-AP	16	-2419	P - R	357	-1797
AO-AQ	248	-3690			



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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

Lumber	Additional Notes	C - D	607 - 4220	J - K	395 - 1134
Top chord: 2x6 SP 2400f-2.0E; T2,	WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and untrained people to install trusses. See "WARNING" note below. BCSI recommends retaining a registered professional engineer to design and	D - E	671 - 5274	K - L	649 - 4294
T6 2x10 SP 2400f-2.0E; T3,T5 2x4 SP #2;		E - F	649 - 4296	L - M	671 - 5279
T4 2x8 SP 2400f-2.0E;		F - G	397 - 1157	M - N	607 - 4221
Bot chord: 2x4 SP #2; B4 2x4 SP M-31;		G - H	636 - 781	N - O	515 - 3642
Webbs: 2x4 SP #3; W2,W8,W33,W39 2x4 SP #2; W7,W9, W32,W34 2x4 SP M-31;		H - I	635 - 777		

Additional Notes

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The overall height of this truss excluding overhang is 12'-0"



MINISTRY OF EDUCATION, CULTURE AND SPORTS
REPUBLIC OF KOREA

Yoonhwak Kim
LICENSE
No. 86367

A circular professional engineer seal for the State of Florida. The outer ring contains the text "Yoonhwak Kim" at the top and "Professional Engineer" at the bottom, separated by two stars. The inner circle contains the word "LICENSE" at the top, "No. 86367" in the center, a star with horizontal lines through it below the number, and "STATE OF FLORIDA" at the bottom.

A circular professional engineer seal for the State of Florida. The outer ring contains the text "Yoonhwak Kim" at the top and "Professional Engineer" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No. 86367" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars. The seal is stamped in black ink on a white background.

Maximum Bot Chord Forces Per Ply (lbs)					
Chords		Tens.	Comp.	Chords	
		Tens.	Comp.		
AF-AE	3231	-409		Y - X	5727 -265
AE-AE	555	-1291		X - W	5497 -309
AA-AA	4984	-356		W - U	4828 -362
AB-AZ	5582	-304		T - S	471 -1313
Z - Y	5727	-265		S - R	3231 -409

Maximum Web Forces Per Ply (lbs)					
Web	Tens. Comp.		Web	Tens. Comp.	
AG-B	452	-2659	AN-X	156	-432
B-AF	3081	-393	AN-AP	189	-1400
AF-C	121	-772	AO-AR	352	-3861
C-AE	731	-40	AO-J	481	-267
AE-D	127	-1954	AP-W	141	-987
AE-AH	4697	-298	AP-AQ	372	-870
D-AH	995	-176	AQ-U	220	-1048
E-AH	2192	-86	AQ-AS	1014	-569
AH-AD	493	-99	AR-J	1032	-95
AH-AB	4880	-180	AR-K	375	-416
AH-AI	767	-597	U-T	434	-1383
AD-AB	509	-1376	U-AT	4640	-192
F-AJ	371	-4089	AS-AT	1062	-530
AB-AK	248	-902	T-AT	515	-91
AI-AK	696	-753	AT-L	2209	-88
G-AJ	1035	-94	AT-M	992	-215

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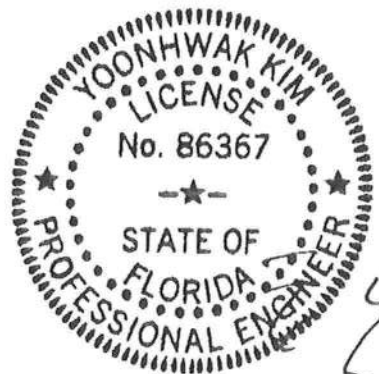
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6750 Forum Drive
 Suite 305
 Orlando FL, 32821

SEQN: 316575 /	ATC	Ply: 1	Job Number: 20-4538	Cust: R 215 JRef: 1WYe2150005 T72 /
FROM: CDM		Qty: 18	Grande Cypress ALF	DrwNo: 248.20.0945.03911
Page 2 of 2			Truss Label: A12	/ YK 09/04/2020

AJ-AM	348 - 3834	AT- S	4721	- 300
AK-AL	277 - 1010	M - S	128	- 1963
AA-AL	142 - 909	S - N	732	- 40
AL-AN	97 - 1461	N - R	121	- 772
AM- I	89 - 635	R - O	3081	- 392
AM-AO	114 - 3441	O - Q	452	- 2659



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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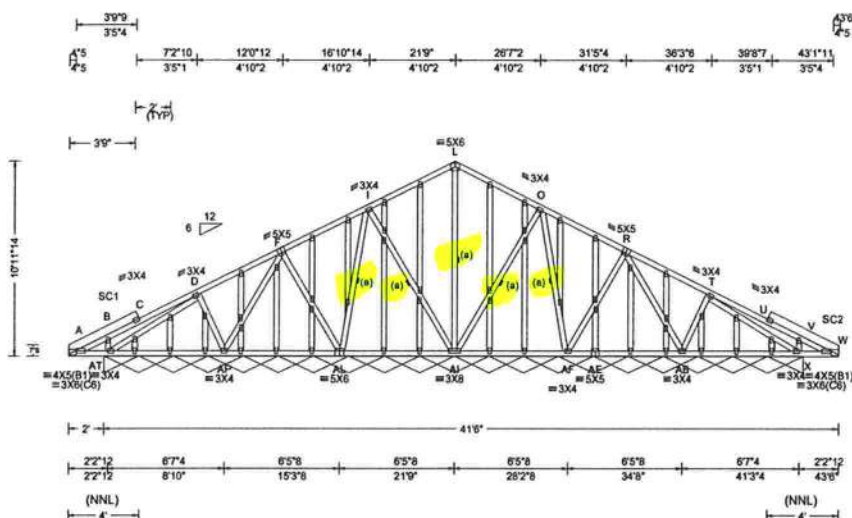
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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 316344 / FROM: CDM	GABL Qty: 2	Ply: 1 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: B01	Cust: R 215 JRef: 1WYe2150005 T1 / DrwNo: 248.20.0945.03442 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.026 C 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.054 U 999 180	AT*91 -/- -/91 /15 /7
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.011 U - -	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.023 C - -	AT Brg Width = 474 Min Req = -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Bearing AT is a rigid surface.
Soffit: 2.00	TCCL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.355	Members not listed have forces less than 375#
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.072	
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.123	
	C&C Dist a: 4.35 ft	FT/RT:20(0)/10(0)		
	Loc. from endwall: Any	Plate Type(s):		
	GCpi: 0.18	WAVE		
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.09	

Lumber
 Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;
 Webs: 2x4 SP #3;
 Stack Chord: SC1 2x6 SP 2400f-2.0E;
 Stack Chord: SC2 2x6 SP 2400f-2.0E;

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

Plating Notes
 All plates are 2X4 except as noted.

Purlins
 In lieu of structural panels use purlins to brace TC @ 24" oc.

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Left and right cantilevers are exposed to wind

Additional Notes
 See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
 Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6.
 The overall height of this truss including the hang is 10-11-14.

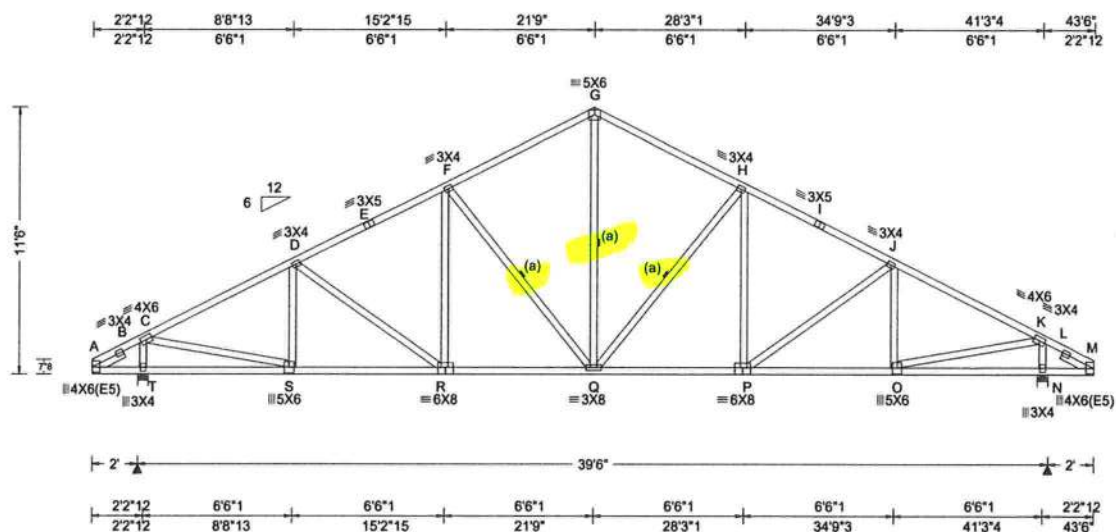


FL REG# 278, Yoonhwak Kim, FL PE #86367
 09/04/2020

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

SEQN: 316573 / FROM: CDM	COMN Qty: 66	Ply: 1 Truss Label: B02	Job Number: 20-4538 Grande Cypress ALF	Cust: R 215 JRef: 1WYe2150005 T126 DrwNo: 248.20.0945.04128 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.16 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.35 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.129 Q 999 240 VERT(CL): 0.249 Q 999 180 HORZ(LL): 0.046 N - - HORZ(TL): 0.090 N - - Creep Factor: 2.0 Max TC CSI: 0.465 Max BC CSI: 0.809 Max Web CSI: 0.741 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL T 1917 /- /- /1111 /296 /298 N 1917 /- /- /1111 /296 /- Wind reactions based on MWFRS T Brg Width = 5.5 Min Req = 1.9 N Brg Width = 5.5 Min Req = 1.9 Bearings T & N are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.523'
Rt Slider: 2x4 SP #3; block length = 1.523'

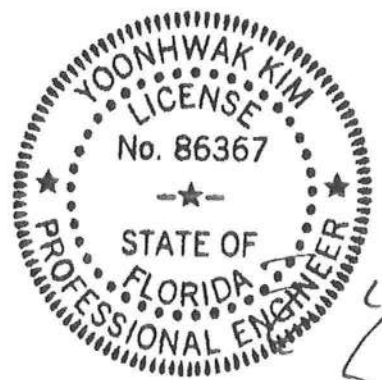
Bracing
(a) Continuous lateral restraint equally spaced on member.

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Left and right cantilevers are exposed to wind

Blocking
Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 2 located at 41.0'

Additional Notes
The overall height of this truss excluding overhang is 11'-6".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

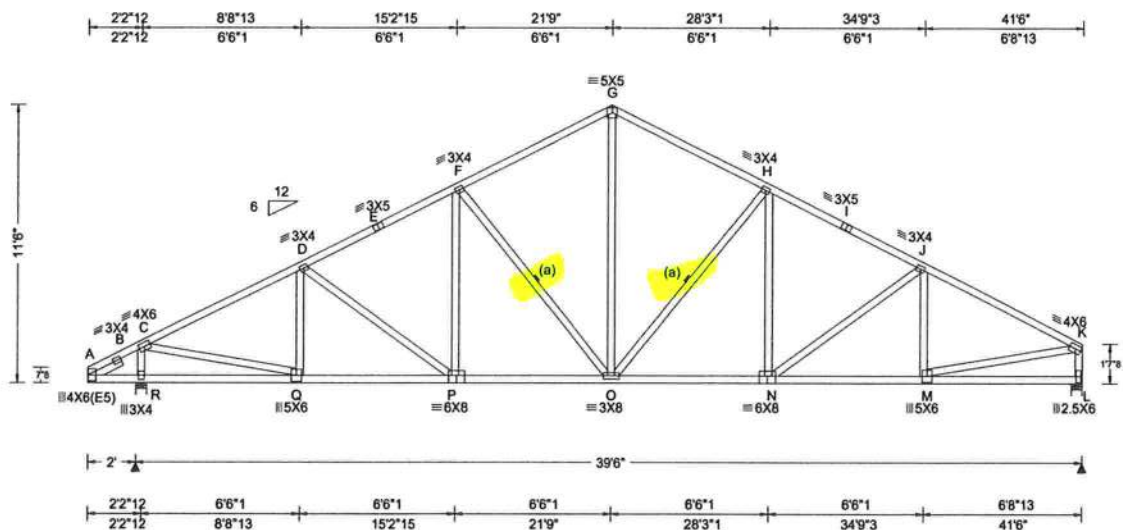
Maximum Bot Chord Forces Per Ply (lbs)							
Chords		Tens.Comp.		Chords		Tens. Comp.	
S - R		2061 - 698		Q - P		1976 - 600	
R - Q		1975 - 599		P - O		2062 - 699	

Maximum Web Forces Per Ply (lbs)							
Webs		Tens.Comp.		Webs		Tens. Comp.	
T - C		890 - 1791		Q - H		376 - 627	
C - S		1944 - 666		O - K		1945 - 666	
F - Q		376 - 626		K - N		890 - 1791	
G - Q		1189 - 513					

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

SEQN: 316571 / FROM: CDM	SPEC Qty: 39	Job Number: 20-4538 Grande Cypress ALF Truss Label: B03	Cust: R 215 JRef: 1WYe2150005 T127 DrwNo: 248.20.0945.04253 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.16 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.15 ft Loc. from endwall: not in 13.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.135 O 999 240 VERT(CL): 0.261 O 999 180 HORZ(LL): 0.047 L - - HORZ(TL): 0.092 L - - Creep Factor: 2.0 Max TC CSI: 0.846 Max BC CSI: 0.821 Max Web CSI: 0.814 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL R 1930 /- /- /1115 /11 /287 L 1737 /- /- /946 /15 /- Wind reactions based on MWFRS R Brg Width = 5.5 Min Req = 1.9 L Brg Width = 5.5 Min Req = 2.1 Bearings R & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.523'

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

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Left cantilever is exposed to wind

Additional Notes
The overall height of this truss excluding overhang is 11'-6".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

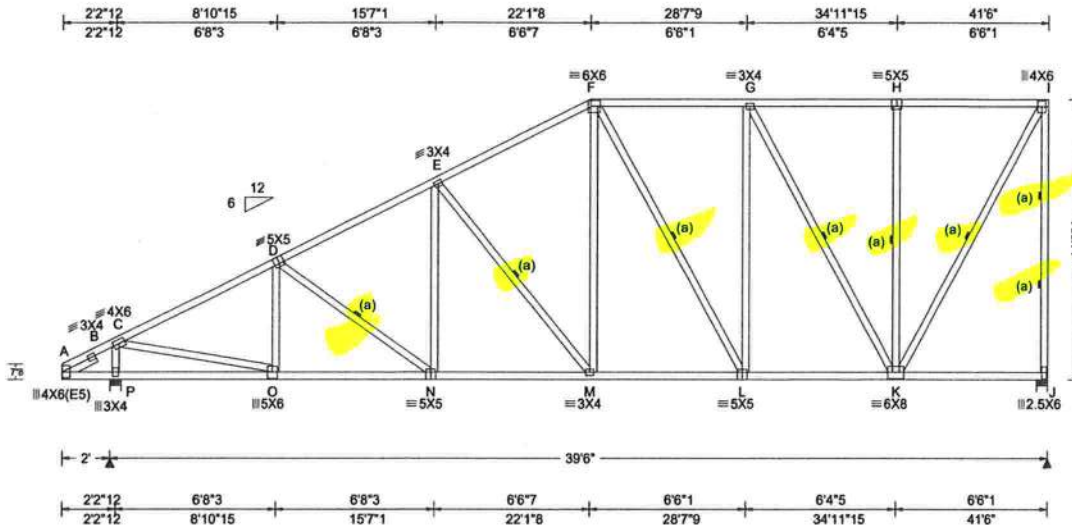
Maximum Bot Chord Forces Per Ply (lbs)							
Chords		Tens.Comp.		Chords		Tens. Comp.	
Q - P		2083 -383		O - N		2020 -310	
P - O		2000 -319		N - M		2168 -415	

Maximum Web Forces Per Ply (lbs)							
Webs		Tens.Comp.		Webs		Tens. Comp.	
R - C		475 -1803		O - H		211 -653	
C - Q		1961 -345		M - K		2136 -391	
F - O		207 -622		K - L		405 -1677	
G - O		1213 -289					

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

SEQN: 316397 / FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: B04	Cust: R 215 JRef: 1WYe2150005 T131 DrwNo: 248.20.0945.03242 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)							
				Gravity			Non-Gravity				
				Loc	R+	/R-	/Rh	/Rw	/U	/RL	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	P	2007	/-	/-	/1202	/109	/211	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.141 M 999 240	J	2017	/-	/-	/896	/282	/-	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.250 M 999 180	Wind reactions based on MWFRS							
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.046 K - -	P	Brg Width = 5.5		Min Req = 2.0				
	EXP: C Kzt: NA		HORZ(TL): 0.084 K - -	J	Brg Width = 5.5		Min Req = 2.4				
Des Ld: 40.00	Mean Height: 15.25 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	Bearings P & J are a rigid surface.							
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.678	Members not listed have forces less than 375#							
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.873	Maximum Top Chord Forces Per Ply (lbs)							
Load Duration: 1.25	MWFRS Parallel Dist: > 2h		Max Web CSI: 0.965	Chords		Tens.Comp.		Chords		Tens. Comp.	
Spacing: 24.0 "	C&C Dist a: 4.15 ft			VIEW Ver: 18.02.01B.0321.09	C - D	456	-2531	F - G	385	-1538	
	Loc. from endwall: not in 13.00 ft										
	GCpi: 0.18										
	Wind Duration: 1.60										

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.549'

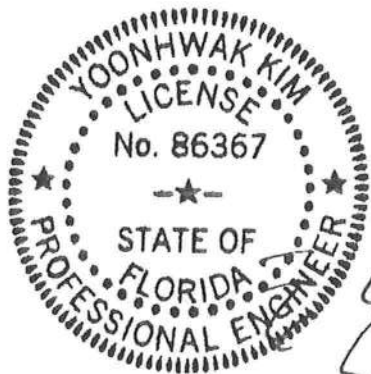
Bracing
(a) Continuous lateral restraint equally spaced on member.

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

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Additional Notes
The overall height of this truss excluding overhang is 11'-8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

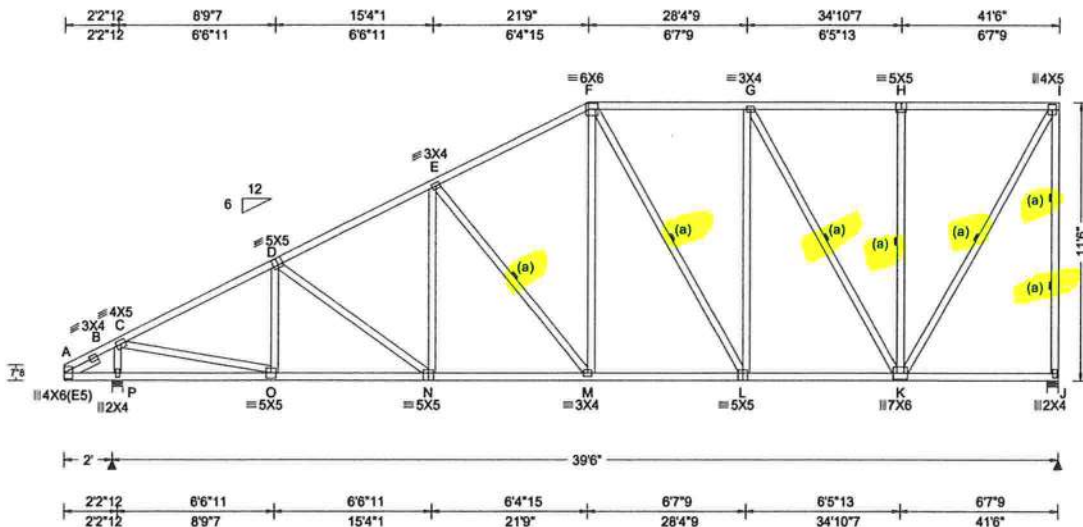
Maximum Bot Chord Forces Per Ply (lbs)					
Chords		Tens.Comp.		Chords	
P - O	215	-411		M - L	1718 -463
O - N	2198	-676		L - K	1523 -382
N - M	2114	-599			

Maximum Web Forces Per Ply (lbs)					
Webs		Tens.Comp.		Webs	
P - C	433	-1878		G - K	297 -1133
C - O	2060	-284		H - K	185 -440
E - M	219	-638		K - I	1976 -485
F - M	781	-150		I - J	503 -1881
L - G	599	-120			

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

SEQN: 316490 / FROM: CDM	COMN Ply: 1 Qty: 7	Job Number: 20-4538 Grande Cypress ALF Truss Label: B05	Cust: R 215 JRef: 1WYe2150005 T68 / DrwNo: 248.20.0945.04270 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.75 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.15 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.101 N 999 240 VERT(CL): 0.208 N 999 180 HORZ(LL): 0.034 K - - HORZ(TL): 0.071 K - - Creep Factor: 2.0 Max TC CSI: 0.681 Max BC CSI: 0.667 Max Web CSI: 0.769 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL P 1806 /- /- /1236 /- /230 J 1615 /- /- /992 /- /- Wind reactions based on MWFRS P Brg Width = 5.5 Min Req = 1.8 J Brg Width = 5.5 Min Req = 1.9 Bearings P & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 224 - 2214 F - G 112 - 1285 D - E 212 - 2099 G - H 26 - 824 E - F 168 - 1697 H - I 26 - 824

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.523'

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

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Additional Notes
The overall height of this truss excluding overhang is 11'-6-0.

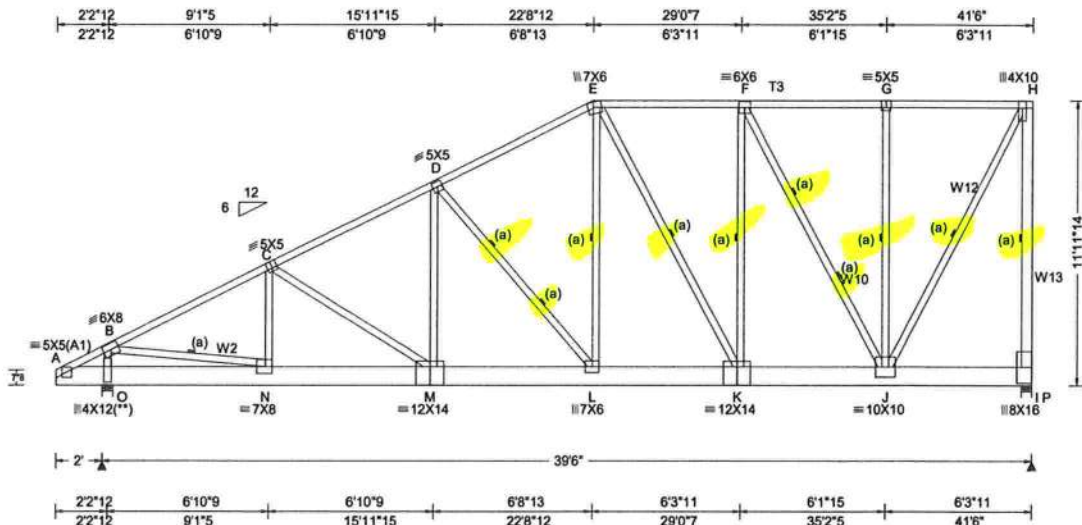


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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

SEQN: 316494 / FROM: CDM	HIPM Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: B06	Cust: R 215 JRef: 1WYe2150005 T97 / DrwNo: 248.20.0945.02865 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.40 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.15 ft Loc. from endwall: not in 104.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.268 M 999 240 VERT(CL): 0.420 M 999 180 HORZ(LL): 0.066 C - - HORZ(TL): 0.105 C - - Creep Factor: 2.0 Max TC CSI: 0.758 Max BC CSI: 0.355 Max Web CSI: 0.948 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL O 4717 /- /- /1206 /1803 /218 P 4491 /- /- /901 /1752 /- Wind reactions based on MWFRS O Brg Width = 5.5 Min Req = 3.5 P Brg Width = 5.5 Min Req = 3.7 Bearings O & 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.
				A - B 634 - 1590 E - F 1355 - 3457 B - C 2473 - 6308 F - G 849 - 2167 C - D 2290 - 5844 G - H 849 - 2167 D - E 1769 - 4513

Lumber
Top chord: 2x4 SP M-31; T3 2x4 SP #2;
Bot chord: 2x10 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2 2x4 SP #2; W10,
W12 2x4 SP M-31; W13 2x6 SP 2400f-2.0E;

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

Blocking
Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 2.0'

Additional Notes
The overall height of this truss excluding overhang is 11-11-14.

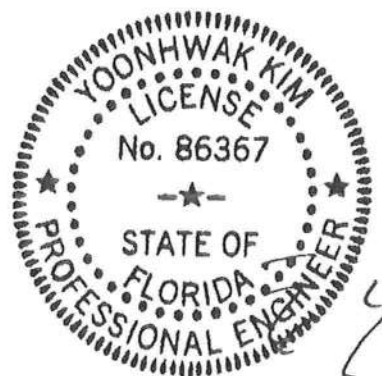
Special Loads
—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	62 plf at	0.00 to	62 plf at	41.50
BC: From	20 plf at	0.00 to	20 plf at	2.46
BC: From	170 plf at	2.46 to	170 plf at	41.04
BC: From	20 plf at	41.04 to	20 plf at	41.50

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

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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

A - O	1439 - 567	M - L	5099 - 1998
O - N	1660 - 654	L - K	3949 - 1548
N - M	5552 - 2176	K - J	3406 - 1335

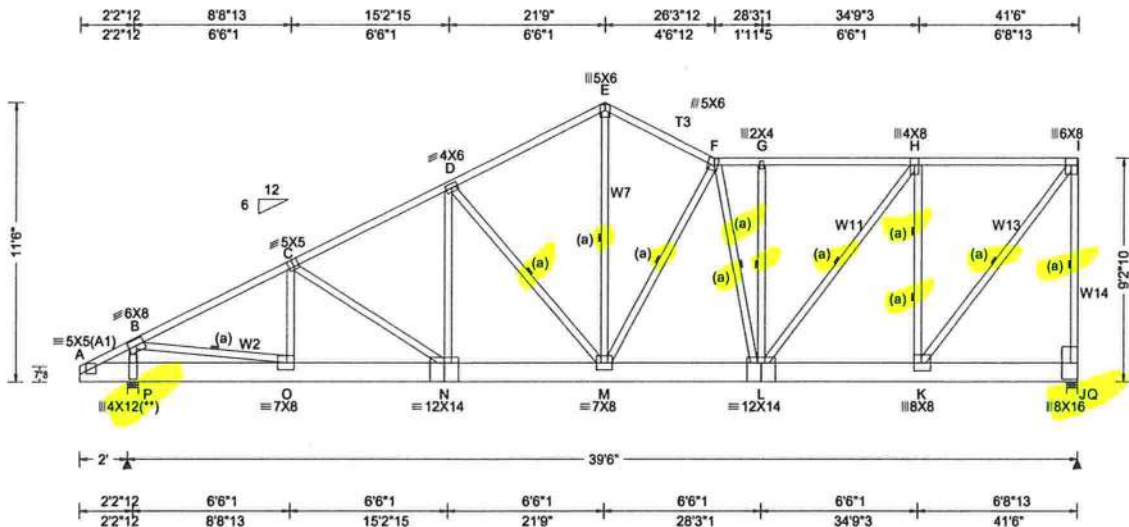
Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.

O - B	1244 - 3206	E - K	407 - 1040
B - N	3995 - 1549	K - F	1979 - 776
C - M	196 - 499	F - J	1045 - 2667
M - D	1563 - 613	G - J	179 - 420
D - L	711 - 1813	J - H	4495 - 1761
E - L	2489 - 976	H - I	1606 - 4101

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

SEQN: 316497 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: B07	Cust: R 215 JRef: 1WYe2150005 T128 DrwNo: 248.20.0945.03068 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.16 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.15 ft Loc. from endwall: not in 52.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.294 M 999 240 VERT(CL): 0.462 M 999 180 HORZ(LL): 0.074 C - - HORZ(TL): 0.117 C - - Creep Factor: 2.0 Max TC CSI: 0.758 Max BC CSI: 0.342 Max Web CSI: 0.909 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh Non-Gravity Loc / Rw / U / RL P 4717 /- /- /1167 /1794 /226 Q 4491 /- /- /875 /1743 /- Wind reactions based on MWFRS P Brg Width = 5.5 Min Req = 3.5 Q Brg Width = 5.5 Min Req = 3.7 Bearings P & Q 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 603 - 1518 E - F 1828 - 4688 B - C 2440 - 6255 F - G 1802 - 4621 C - D 2315 - 5937 G - H 1802 - 4621 D - E 1848 - 4739 H - I 1162 - 2980

Lumber
Top chord: 2x4 SP M-31; T3 2x4 SP #2;
Bot chord: 2x10 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2,W7,W11 2x4 SP #2; W13,
W14 2x4 SP M-31;

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

Special Loads
—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 41.50
BC: From 20 plf at 0.00 to 20 plf at 2.46
BC: From 170 plf at 2.46 to 170 plf at 41.04
BC: From 20 plf at 41.04 to 20 plf at 41.50

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

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

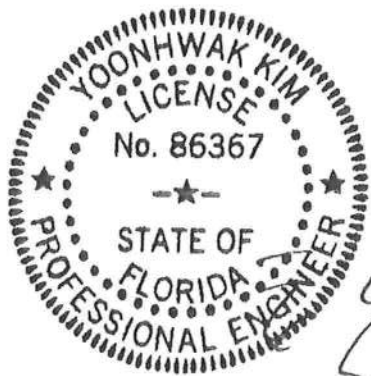
Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Left cantilever is exposed to wind

Blocking
Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 2.0'

Additional Notes
The overall height of this truss excluding overhang is 11-6-0.

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
A - P 1372 - 538 N - M 5190 - 2024
P - O 1594 - 626 M - L 4826 - 1882
O - N 5515 - 2151 L - K 3067 - 1196

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
P - B 1253 - 3245 F - L 365 - 937
B - O 4025 - 1554 L - H 2631 - 1026
N - D 1372 - 635 H - K 1018 - 2610
D - M 631 - 1617 K - I 4930 - 1922
E - M 3765 - 1468 I - J 1598 - 4099
M - F 560 - 1438



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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

SEQN: 316337 / FROM: CDM	HIPS Ply: 1 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: B08	Cust: R 215 JRef: 1WYe2150005 T122 DrwNo: 248.20.0945.02803 / YK 09/04/2020
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria			▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/def	L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA	Ce: NA		VERT(LL): 0.122	Q	999	240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.226	Q	999	180	T	1914	/-	/-	/1112	119	/287
BCDL: 10.00	Risk Category: II	Snow Duration: NA			HORZ(LL): 0.046	M	-	-	M	1914	/-	/-	/1112	119	/-
	EXP: C Kzt: NA				HORZ(TL): 0.090	M	-	-	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code:			Creep Factor: 2.0				T	Brg Width = 5.5		Min Req = 1.9			
NCBCLL: 10.00	TCDL: 5.0 psf	FBC 2017 RES			Max TC CSI: 0.476				M	Brg Width = 5.5		Min Req = 1.9			
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014			Max BC CSI: 0.824				Bearings T & M are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes			Max Web CSI: 0.737				Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 4.35 ft	FT/RT:20(0)/10(0)							Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 13.00 ft	Plate Type(s):							Chords	Tens.Comp.	Chords	Tens. Comp.			
	GCpi: 0.18	WAVE							C - D	502	-2352	G - H	545	-1895	
	Wind Duration: 1.60							VIEW Ver: 18.02.01B.0321.09							

Bracing	S - R	2043	-355	P - O	1987	-303
(a) Continuous lateral restraint equally spaced on	R - Q	1986	-302	O - N	2044	-356
both ends	Q - P	1612	-172			

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

Purlins

In lieu of structural panels use purlins to brace all first

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 No. 86367

T - C	484 - 1788	G - P	588 - 158
C - S	1933 - 353	P - H	212 - 667
E - Q	212 - 666	N - J	1934 - 353
F - Q	590 - 158	J - M	484 - 1789

Blocking
Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 2 located at 41.0'

A circular professional engineer seal for Yoonhwak Kim, License No. 86367, State of Florida. The seal features the text "Yoonhwak Kim" at the top, "LICENSE" below it, "No. 86367" in the center, and "STATE OF FLORIDA" and "PROFESSIONAL ENGINEER" at the bottom. There are three stars on the seal. A handwritten signature is visible on the right side of the seal.

FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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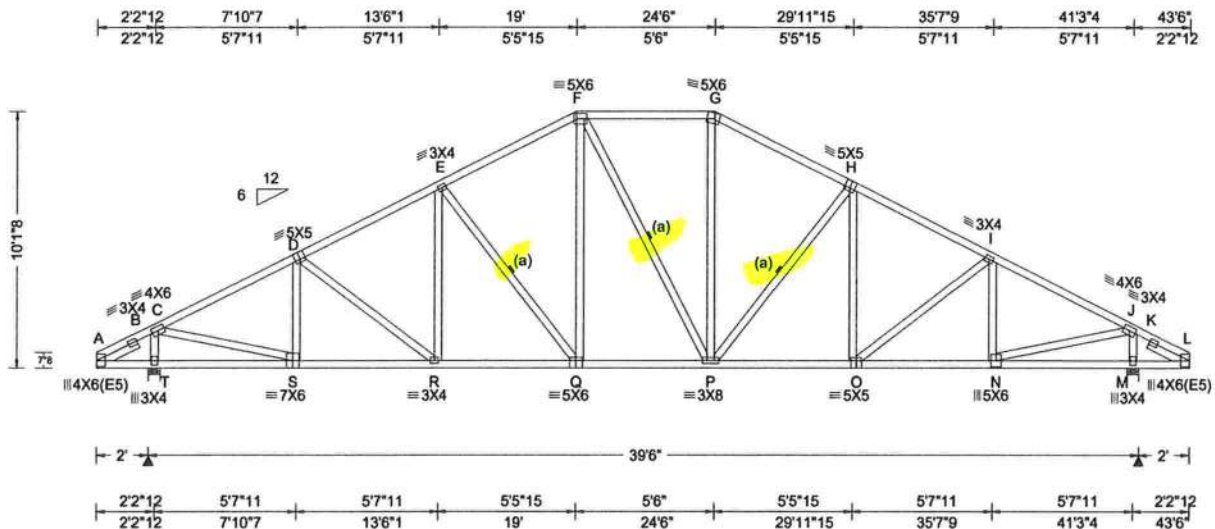
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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316334 / FROM: CDM	HIPS Qty: 2	Ply: 1 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: B09	Cust: R 215 JRef: 1WYe2150005 T5 / DrwNo: 248.20.0945.03256 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-10 Speed: 130 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: 4.35 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.126 Q 999 240 VERT(CL): 0.240 Q 999 180 HORZ(LL): 0.049 M - - HORZ(TL): 0.094 M - - Creep Factor: 2.0 Max TC CSI: 0.378 Max BC CSI: 0.695 Max Web CSI: 0.750 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL T 1946 /- /- /1112 /23 /260 M 1941 /- /- /1112 /23 /- Wind reactions based on MWFRS T Brg Width = 5.5 Min Req = 1.9 M Brg Width = 5.5 Min Req = 1.9 Bearings T & 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.

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.733'
Rt Slider: 2x4 SP #3; block length = 1.733'

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

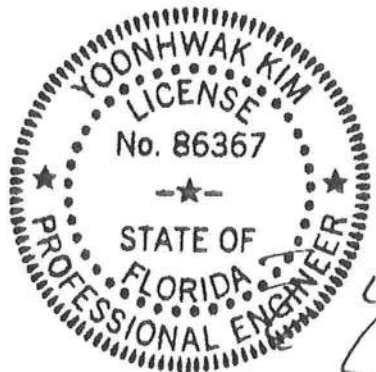
Loading
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left and right cantilevers are exposed to wind

Blocking
Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 2 located at 41.0'

Additional Notes
The overall height of this truss excluding overhang is 10'-1.8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

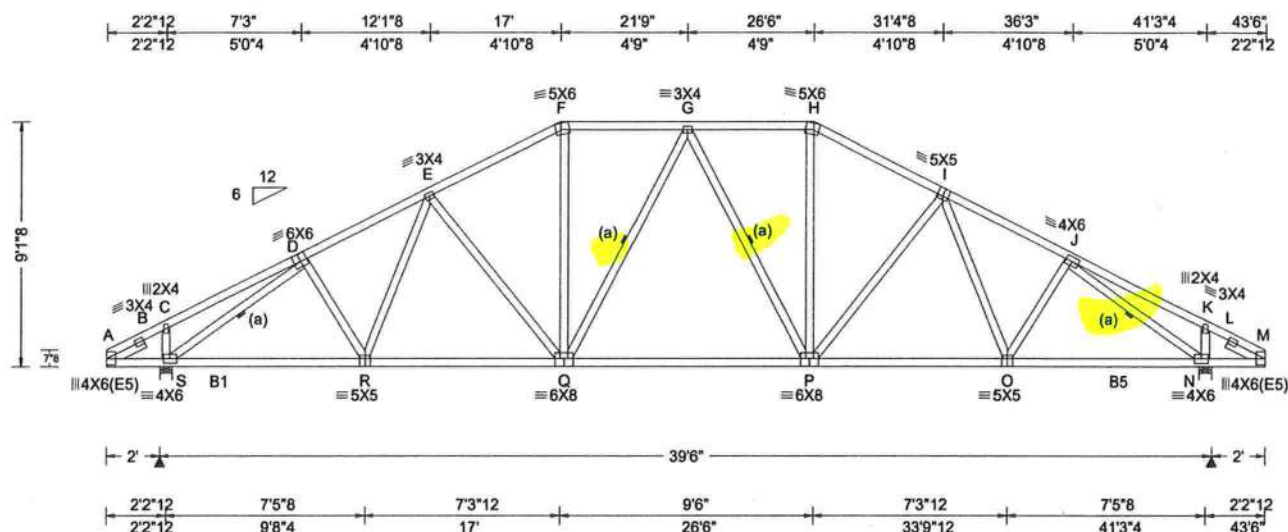
Chords	Tens.Comp.	Chords	Tens. Comp.
S - R	2043 -384	P - O	2066 -356
R - Q	2075 -356	O - N	2039 -385
Q - P	1796 -253		

Webs	Tens.Comp.	Webs	Tens. Comp.
T - C	496 -1829	P - G	554 -124
C - S	1969 -379	P - H	170 -463
S - D	127 -425	I - N	129 -424
E - Q	171 -461	N - J	1966 -380
F - Q	581 -118	J - M	496 -1824

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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316331 / FROM: CDM	HIPS Qty: 2	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: B10	Cust: R 215 JRef: 1WYe2150005 T120 DrwNo: 248.20.0945.02989 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-10 Speed: 130 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: 4.35 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.126 G 999 240 VERT(CL): 0.234 G 999 180 HORZ(LL): 0.058 N - - HORZ(TL): 0.108 N - - Creep Factor: 2.0 Max TC CSI: 0.367 Max BC CSI: 0.677 Max Web CSI: 0.669 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL S 2003 /- /- /1109 /32 /232 N 2006 /- /- /1109 /32 /- Wind reactions based on MWFRS S Brg Width = 5.5 Min Req = 2.0 N Brg Width = 5.5 Min Req = 2.0 Bearings S & N 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 588 -2422 G - H 581 -1973 E - F 599 -2263 H - I 599 -2264 F - G 581 -1971 I - J 589 -2427

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1, B5 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.546'
Rt Slider: 2x4 SP #3; block length = 1.546'

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

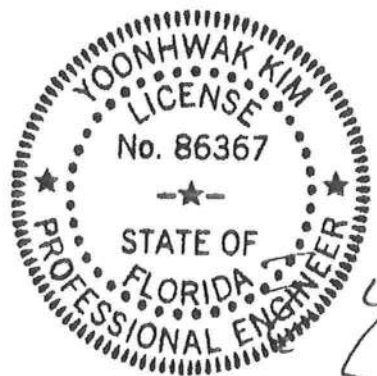
Loading
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left and right cantilevers are exposed to wind

Blocking
Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 2 located at 41.0'

Additional Notes
The overall height of this truss excluding overhang is 9'-1-8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
S - R	1961 -377	P - O	2124 -382
R - Q	2122 -383	O - N	1966 -378
Q - P	2046 -314		

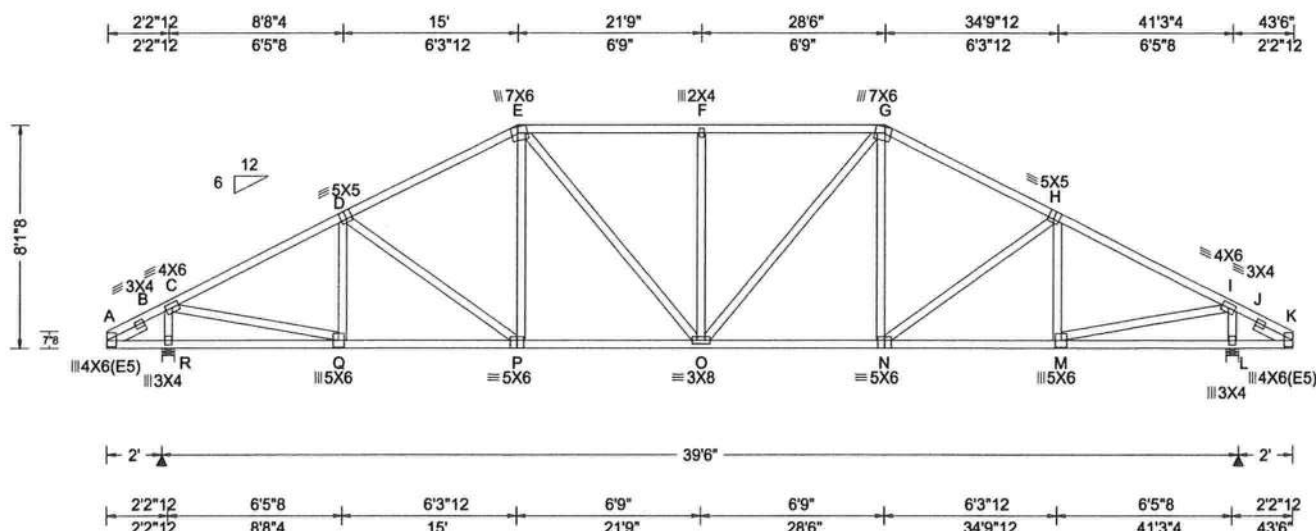
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
S - D	529 -2522	P - H	681 -137
F - Q	682 -138	J - N	530 -2530

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ALPINE
AN ITW COMPANY
6750 Forum Drive
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Orlando FL, 32821

SEQN: 316328 / FROM: CDM	HIPS Qty: 2	Ply: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: B11	Cust: R 215 JRef: 1WYe2150005 T123 DrwNo: 248.20.0945.03037 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-10 Speed: 130 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: 4.35 ft Loc. from endwall: not in 13.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.138 F 999 240 VERT(CL): 0.266 F 999 180 HORZ(LL): 0.047 L - - HORZ(TL): 0.091 L - - Creep Factor: 2.0 Max TC CSI: 0.616 Max BC CSI: 0.793 Max Web CSI: 0.738 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL R 1917 /- /- /1100 /38 /205 L 1917 /- /- /1100 /38 /- Wind reactions based on MWFRS R Brg Width = 5.5 Min Req = 1.9 L Brg Width = 5.5 Min Req = 1.9 Bearings R & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 581 -2369 F - G 659 -2266 D - E 625 -2312 G - H 625 -2313 E - F 659 -2266 H - I 581 -2370

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Loading

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

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

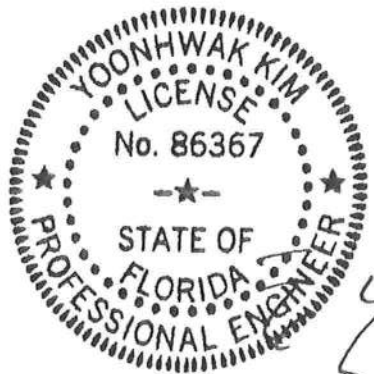
Left and right cantilevers are exposed to wind

Blocking

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 2 located at 41.0'

Additional Notes

The overall height of this truss excluding overhang is 8'-1-8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
Q - P	2055 -431	O - N	1989 -355
P - O	1988 -355	N - M	2056 -432

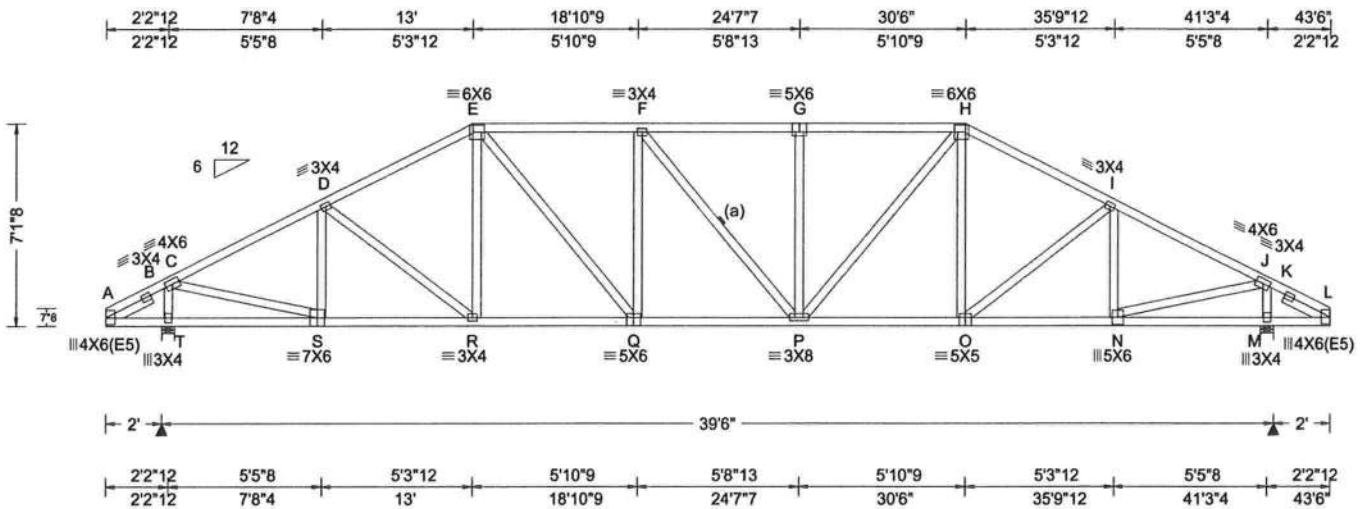
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
R - C	516 -1791	O - G	431 -121
C - Q	1937 -391	M - I	1938 -391
E - O	432 -121	I - L	516 -1791
F - O	172 -434		

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ALPINE
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6750 Forum Drive
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SEQN: 316325 / FROM: CDM	HIPS Qty: 2	Ply: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: B12	Cust: R 215 JRef: 1WYe2150005 T125 DrwNo: 248.20.0945.02958 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.153 G 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.293 G 999 180	T 1932 -/- -/1089 /304 /178
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.053 M - -	M 1926 -/- -/1089 /304 -/
	EXP: C Kzt: NA		HORZ(TL): 0.102 M - -	Wind reactions based on MWFRS
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	T Brg Width = 5.5 Min Req = 1.9
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.501	M Brg Width = 5.5 Min Req = 1.9
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.780	Bearings T & M are a rigid surface.
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max Web CSI: 0.740	Members not listed have forces less than 375#
Spacing: 24.0 "	C&C Dist a: 4.35 ft	Rep Fac: Yes		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.09	C - D 575 - 2295 G - H 710 - 2525

Lumber
 Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;
 Webs: 2x4 SP #3;
 Lt Slider: 2x4 SP #3; block length = 1.779'
 Rt Slider: 2x4 SP #3; block length = 1.779'

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

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

Purlins
 In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Left and right cantilevers are exposed to wind

Blocking
 Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 2 located at 41.0'

Additional Notes
 The overall height of this truss excluding overhang is 7'-1-8".

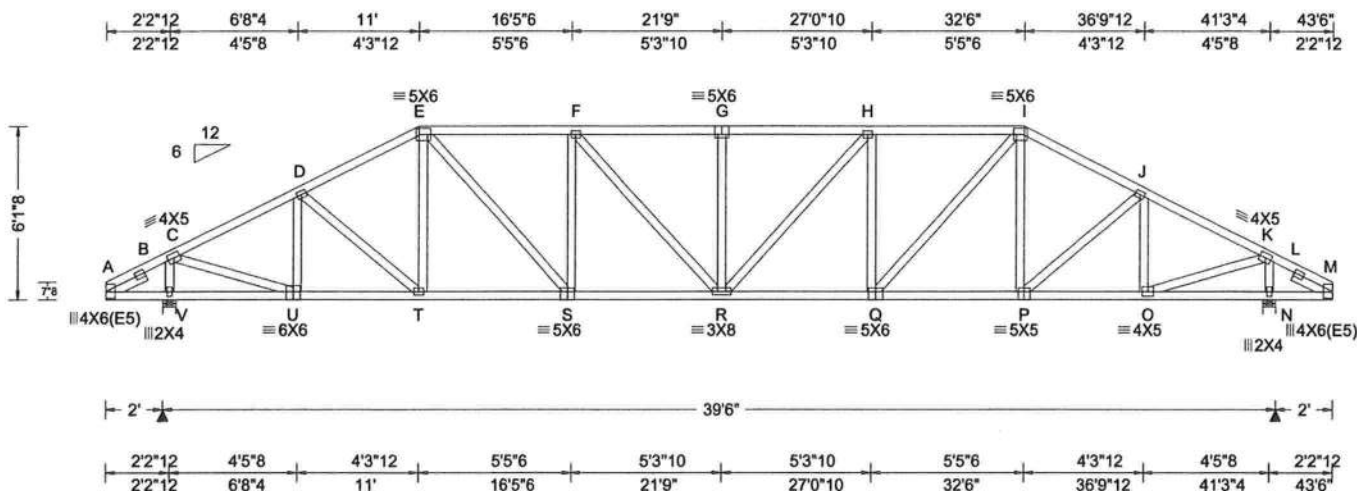


FL REG# 278, Yoonhwak Kim, FL PE #86367
 09/04/2020

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ALPINE
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SEQN: 316322 / FROM: CDM	HIPS Qty: 2	Ply: 1 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: B13	Cust: R 215 JRef: 1WYe2150005 T121 DrwNo: 248.20.0945.02381 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity				Non-Gravity		
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.159 G 999 240	V	1794	/-	/-	/1074	/307	/150
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.328 G 999 180	N	1794	/-	/-	/1074	/307	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.050 N - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.104 N - -	V	Brg Width = 5.5		Min Req = 1.7			
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	N	Brg Width = 5.5		Min Req = 1.7			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.474	Bearings V & N are a rigid surface.						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.629	Members not listed have forces less than 375#						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.657	Maximum Top Chord Forces Per Ply (lbs)						
	C&C Dist a: 4.35 ft			Chords	Tens.Comp.		Chords	Tens. Comp.		
	Loc. from endwall: not in 6.50 ft		VIEW Ver: 18.02.01B.0321.09	C - D	555 - 1968		G - H	804 - 2689		
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Plating Notes

All plates are 3X4 except as noted.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

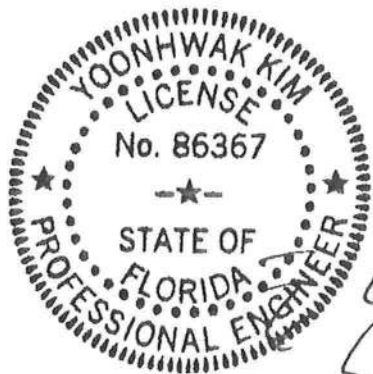
Left and right cantilevers are exposed to wind

Blocking

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 2 located at 41.0'

Additional Notes

The overall height of this truss excluding overhang is 6'-1-8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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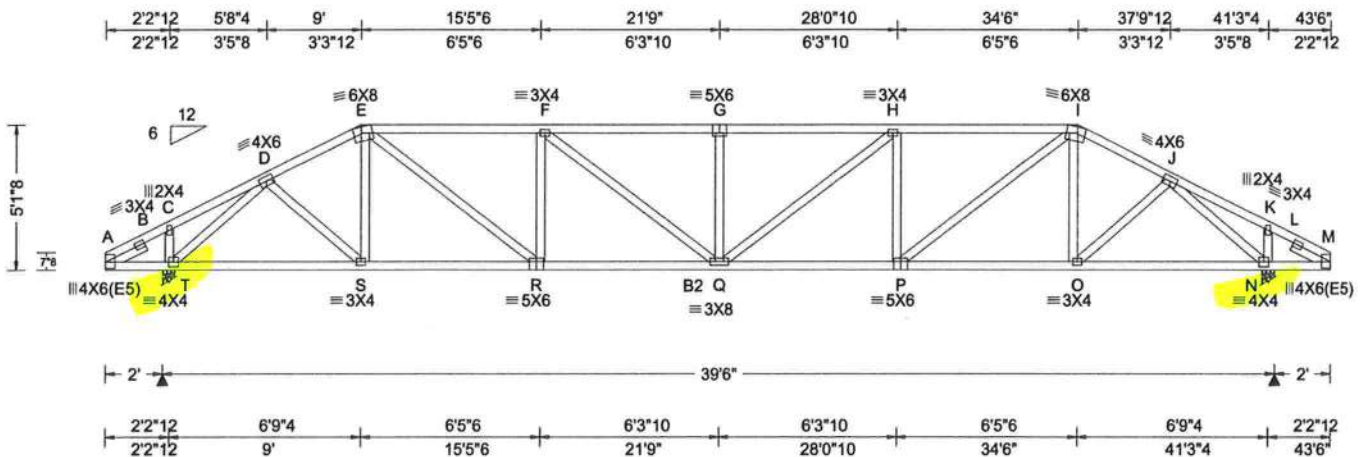
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ALPINE
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SEQN: 316721 / FROM: CDM	HIPS Qty: 2	Ply: 2 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: B14	Cust: R215 JRef: 1WYe2150005 T20 / DrwNo: 248.20.0945.04113 / YK 09/04/2020
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2 Complete Trusses Required



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)											
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/defl	L/#	Gravity			Non-Gravity					
TCDL:	10.00	Speed:	130 mph	Pf: NA		Ce: NA	VERT(LL):	0.209	G	999	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL):	0.424	G	999	180	T	3137	/-	/-	/-	/-	/901	/-
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL):	0.061	E	-	-	N	3137	/-	/-	/-	/-	/901	/-
		EXP:	C	Kzt:	NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	HORZ(TL):	0.124	E	-	-	Wind reactions based on MWFRS							
Des Ld:	40.00	Mean Height:	15.00 ft				Creep Factor:	2.0	T Brg Width = 5.3 Min Req = 1.5										
NCBCLL:	0.00	TCDL:	5.0 psf				Max TC CSI:	0.650	N Brg Width = 5.3 Min Req = 1.5										
Soffit:	2.00	BCDL:	5.0 psf				Max BC CSI:	0.806	Bearings T & N are a rigid surface.										
Load Duration:	1.25	MWFRS Parallel Dist:	0 to h/2				Max Web CSI:	0.700	Members not listed have forces less than 375#										
Spacing:	24.0 "	C&C Dist a:	4.35 ft									Maximum Top Chord Forces Per Ply (lbs)							
		Loc. from endwall:	not in 9.00 ft									Chords		Tens.Comp.	Chords		Tens. Comp.		
		GCpi:	0.18									D - E		634	-2062	G - H		1050	-3376
		Wind Duration:	1.60									VIEW Ver: 18.02.01B.0321.09							

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Nailnote
Nail Schedule: 0.131"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.

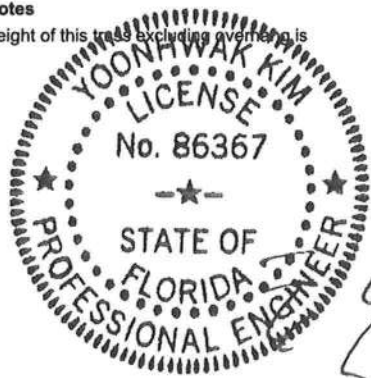
Special Loads
—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 9.00
TC: From 31 plf at 9.00 to 31 plf at 34.50
TC: From 62 plf at 34.50 to 62 plf at 43.50
BC: From 20 plf at 0.00 to 20 plf at 9.06
BC: From 10 plf at 9.06 to 10 plf at 34.44
BC: From 20 plf at 34.44 to 20 plf at 43.50
TC: 118 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,21.06,22.44,24.44,26.44,28.44,30.44
32.44,34.44
BC: 149 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,21.06,22.44,24.44,26.44,28.44,30.44
32.44,34.44

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind
Wind loads and reactions based on MWFRS.
Left and right cantilevers are exposed to wind

Blocking
Full Height Blocking reinforcement required to prevent buckling of members over the bearings; bearing 2 located at 41.1'

Additional Notes
The overall height of this truss excluding overhang is 5'-1.8."



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
T - S	1432 -435	Q - P	3015 -937
S - R	1851 -562	P - O	1851 -562
R - Q	3015 -937	O - N	1432 -435

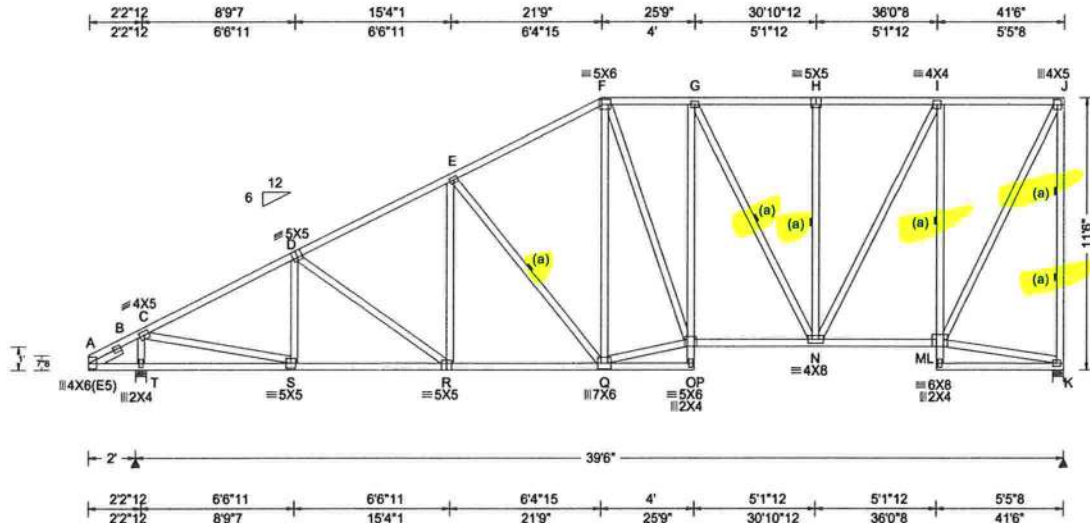
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
T - D	625 -2003	Q - H	464 -144
D - S	582 -173	H - P	202 -588
E - R	1426 -456	P - I	1426 -456
R - F	202 -588	O - J	582 -173
F - Q	464 -144	J - N	625 -2003

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316394 / FROM: CDM	HIPM Qty: 7	Job Number: 20-4538 Grande Cypress ALF Truss Label: B15	Cust: R 215 JRef: 1WYe2150005 T16 / DrwNo: 248.20.0945.04004 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.104 Q 999 240	T	1806	/-	/-	/1242	/-	/253
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.214 Q 999 180	K	1615	/-	/-	/1006	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.045 K - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.093 K - -	T	Brg Width = 5.5		Min Req = 1.8			
Des Ld: 40.00	Mean Height: 16.35 ft		Creep Factor: 2.0	K	Brg Width = 5.5		Min Req = 1.9			
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.483	Bearings T & K are a rigid surface.						
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.672	Members not listed have forces less than 375#						
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max Web CSI: 0.768	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	C&C Dist a: 4.15 ft	Rep Fac: Yes		Chords	Tens.Comp.	Chords	Tens. Comp.			
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		C - D	211 - 2213	G - H	89 - 1241			
	GCpi: 0.18	Plate Type(s):	VIEW Ver: 18.02.01B.0321.09							
	Wind Duration: 1.60	WAVE								

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.523'

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

Plating Notes
All plates are 3X4 except as noted.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Additional Notes
The overall height of this truss excluding overhang is 11'-6".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

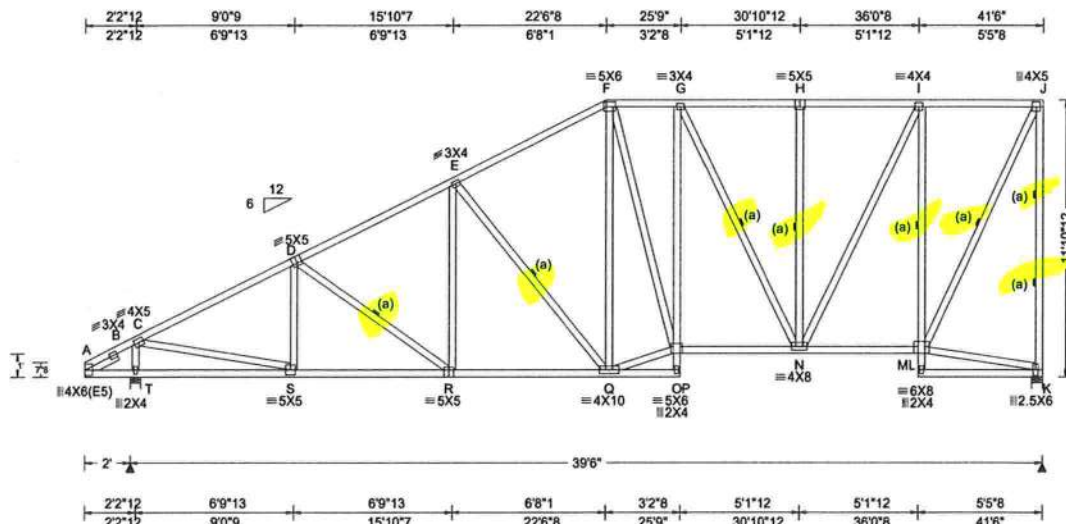
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
T - S	192 - 389	O - N	1524 - 191
S - R	1912 - 491	N - L	773 - 27
R - Q	1792 - 378		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
T - C	301 - 1685	N - I	1043 - 140
C - S	1796 - 102	I - L	64 - 1306
E - Q	233 - 588	L - J	1610 - 55
Q - O	1477 - 248	J - K	27 - 1560
G - N	225 - 624		

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SEQN: 316391 / FROM: CDM	HIPM Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: B16	Cust: R 215 JRef: 1WYe2150005 T25 / DrwNo: 248.20.0945.04409 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.35 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.15 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.105 R 999 240 VERT(CL): 0.216 R 999 180 HORZ(LL): 0.045 K - - HORZ(TL): 0.093 K - - Creep Factor: 2.0 Max TC CSI: 0.516 Max BC CSI: 0.707 Max Web CSI: 0.849 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL T 1806 /- /- /1204 /106 /216 K 1615 /- /- /898 /281 /- Wind reactions based on MWFRS T Brg Width = 5.5 Min Req = 1.8 K Brg Width = 5.5 Min Req = 1.9 Bearings T & 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.

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.578'

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

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Additional Notes
The overall height of this truss excluding overhang is 11'-10-12.

Chords	Tens.Comp.	Chords	Tens. Comp.
T - S	205 -420	O - N	1466 -466
S - R	1923 -678	N - L	744 -228
R - Q	1771 -596		

Webs	Tens.Comp.	Webs	Tens. Comp.
T - C	432 -1682	N - I	1037 -316
C - S	1792 -277	I - L	445 -1307
E - Q	228 -630	L - J	1596 -487
Q - O	1467 -480	J - K	504 -1560
G - N	229 -616		

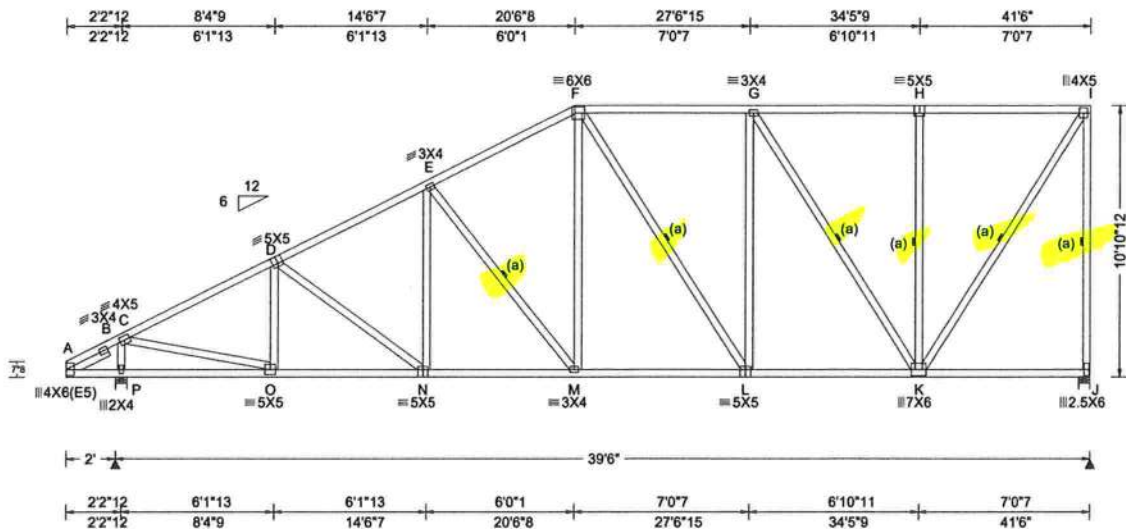


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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

SEQN: 316388 / FROM: CDM	HIPM Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: B17	Cust: R 215 JRef: 1WYe2150005 T27 / DrwNo: 248.20.0945.04191 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	R-	/ Rh	/ Rw	/ U	/ RL
				P	1806	/-	/-	/1191	/119	/196
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	J	1615	/- <td>/-<td>/881</td><td>/283</td><td>/-</td></td>	/- <td>/881</td> <td>/283</td> <td>/-</td>	/881	/283	/-
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.100 M 999 240	Wind reactions based on MWFRS						
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.207 M 999 180	P	Brg Width = 5.5		Min Req = 1.8			
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.035 K - -	J	Brg Width = 5.5		Min Req = 1.9			
	EXP: C Kzt: NA		HORZ(TL): 0.072 K - -	Bearings P & J are a rigid surface.						
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	Members not listed have forces less than 375#						
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.714	Maximum Top Chord Forces Per Ply (lbs)						
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.742	Chords	Tens.Comp.	Chords	Tens. Comp.			
Load Duration: 1.25	MWFRS Parallel Dist: > 2h		Max Web CSI: 0.911	C - D	465	- 2184	F - G	423	- 1398	
Spacing: 24.0 "	C&C Dist a: 4.15 ft		VIEW Ver: 18.02.01B.0321.09	D - E	510	- 2125	G - H	270	- 916	
	Loc. from endwall: not in 13.00 ft			E - F	490	- 1773	H - I	270	- 916	
	GCpi: 0.18									
	Wind Duration: 1.60									
Lumber										

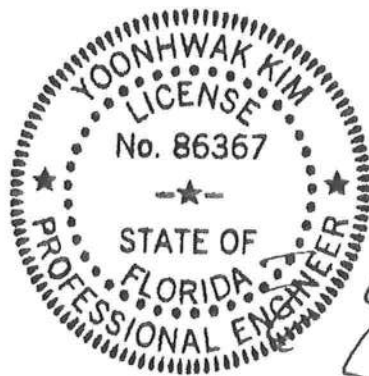
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.876'

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

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Additional Notes
The overall height of this truss excluding overhang is 10'-10"-12."

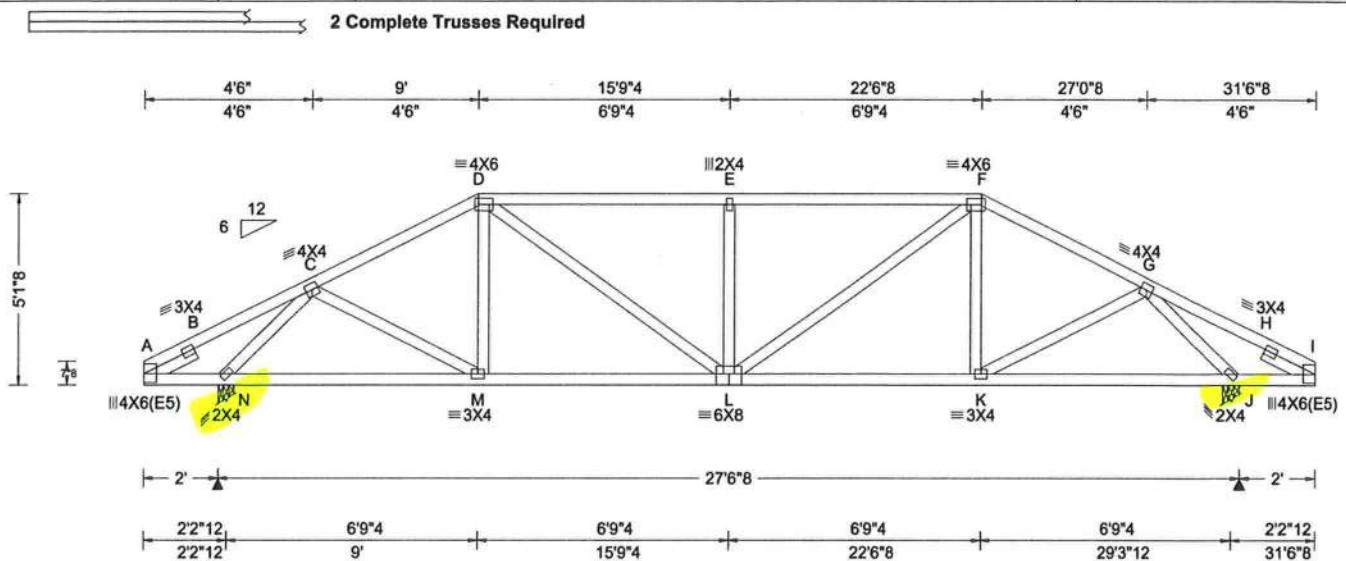


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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

SEQN: 316715 / FROM: CDM	HIPS Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: C01	Cust: R 215 JRef: 1WYe2150005 T3 / DrwNo: 248.20.0945.03568 / YK 09/04/2020
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. Pf in PSF)		Defl/CSI Criteria		Maximum Reactions (lbs)			
TCLL: 20.00		Wind Std: ASCE 7-10		Pg: NA	Ct: NA	PP Deflection in loc L/def L/#		Gravity		Non-Gravity	
TCDL: 10.00		Speed: 130 mph		Pf: NA	Ce: NA	VERT(LL): 0.068 E 999 240		Loc	R+ / R-	/ Rh	/ Rw / U / RL
BCLL: 0.00		Enclosure: Closed		Lu: NA	Cs: NA	VERT(CL): 0.137 E 999 180		N	2353 /-	/-	/-
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.024 J - -		J	2353 /-	/-	/-
Des Ld: 40.00		EXP: C Kzt: NA				HORZ(TL): 0.049 J - -		Wind reactions based on MWFRS			
NCBCLL: 0.00		Mean Height: 15.00 ft				Creep Factor: 2.0		N	Brg Width = 5.3	Min Req = 1.5	
Soffit: 2.00		TCDL: 5.0 psf				Max TC CSI: 0.520		J	Brg Width = 5.3	Min Req = 1.5	
Load Duration: 1.25		BCDL: 5.0 psf				Max BC CSI: 0.818		Bearings N & J are a rigid surface.			
Spacing: 24.0 "		MWFRS Parallel Dist: 0 to h/2				Max Web CSI: 0.413		Members not listed have forces less than 375#			
		C&C Dist a: 3.15 ft				VIEW Ver: 18.02.01B.0321.09		Maximum Top Chord Forces Per Ply (lbs)			
		Loc. from endwall: not in 9.00 ft						Chords	Tens.Comp.	Chords	Tens. Comp.
		GCpi: 0.18						C - D	552 - 1535	E - F	640 - 1820
		Wind Duration: 1.60						D - E	640 - 1820	F - G	552 - 1535

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Nailnote
Nail Schedule: 0.131"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.

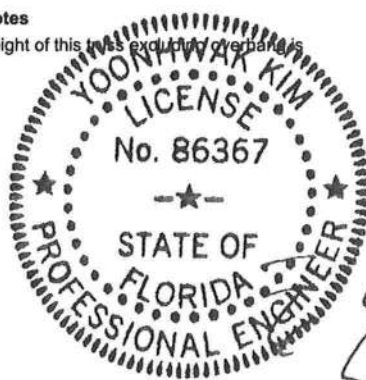
Special Loads
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 9.00
TC: From 31 plf at 9.00 to 31 plf at 22.54
TC: From 62 plf at 22.54 to 62 plf at 31.54
BC: From 20 plf at 0.00 to 20 plf at 9.03
BC: From 10 plf at 9.03 to 10 plf at 22.51
BC: From 20 plf at 22.51 to 20 plf at 31.54
TC: 118 lb Conc. Load at 9.06, 11.06, 13.06, 15.06, 16.48, 18.48, 20.48, 22.48
BC: 411 lb Conc. Load at 9.03, 22.51
BC: 149 lb Conc. Load at 11.06, 13.06, 15.06, 16.48, 18.48, 20.48

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind
Wind loads and reactions based on MWFRS.
Left and right cantilevers are exposed to wind

Blocking
Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 2 located at 29.1'

Additional Notes
The overall height of this truss excluding overhangs is 5'-1.8".

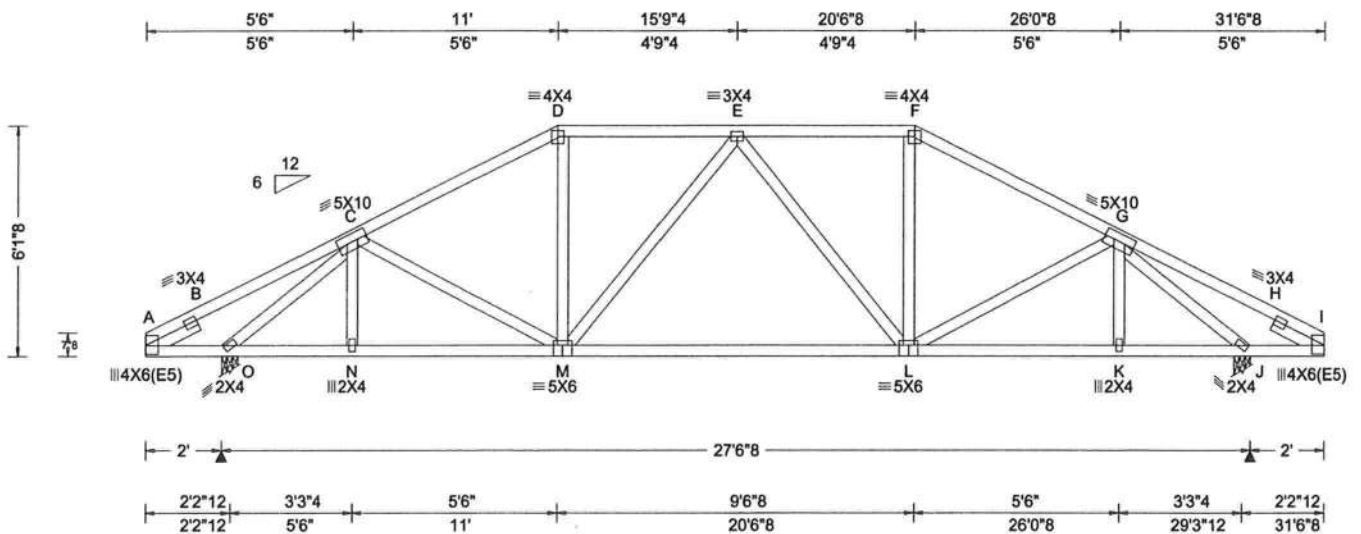


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316298 / FROM: CDM	HIPS Qty: 2	Ply: 1 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: C02	Cust: R 215 JRef: 1WYe2150005 T109 DrwNo: 248.20.0945.02210 / YK 09/04/2020
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)							
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/def L/#	Gravity			Non-Gravity				
TCDL:	10.00	Speed:	130 mph	Pf: NA	Ce: NA	Ce: NA	VERT(LL): 0.054 E 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA	Cs: NA	VERT(CL): 0.106 E 999 180	O	1362	/-	/-	/798	/51	/141	
BCDL:	10.00	Risk Category:	II	Snow Duration: NA			HORZ(LL): 0.027 J - -	J	1363	/-	/-	/798	/51	/-	
Des Ld:	40.00	EXP: C	Kzt: NA	Building Code:			HORZ(TL): 0.053 J - -	Wind reactions based on MWFRS							
NCBCLL:	10.00	Mean Height:	15.00 ft	FBC 2017 RES			Creep Factor: 2.0	O		Brg Width = 5.3		Min Req = 1.5			
Soffit:	2.00	TCDL:	5.0 psf	TPI Std: 2014			Max TC CSI: 0.502	J		Brg Width = 5.3		Min Req = 1.5			
Load Duration:	1.25	BCDL:	5.0 psf	Rep Fac: Yes			Max BC CSI: 0.883	Bearings O & J are a rigid surface.							
Spacing:	24.0 "	MWFRS Parallel Dist:	> 2h	FT/RT: 20(0)/10(0)			Max Web CSI: 0.738	Members not listed have forces less than 375#							
		C&C Dist a:	3.15 ft	Plate Type(s):			VIEW Ver: 18.02.01B.0321.09	Maximum Top Chord Forces Per Ply (lbs)							
		Loc. from endwall:	not in 9.00 ft	WAVE				Chords		Tens.Comp.		Chords		Tens. Comp.	
		GCpi:	0.18					A - B	817	-783		E - F	405	-1267	
		Wind Duration:	1.60					C - D	403	-1489		F - G	403	-1490	
								D - E	405	-1267		H - I	817	-783	

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Loading

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

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Left and right cantilevers are exposed to wind

Blocking

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 2 located at 29.1'

Additional Notes

The overall height of this truss excluding overhang is 6'-1-8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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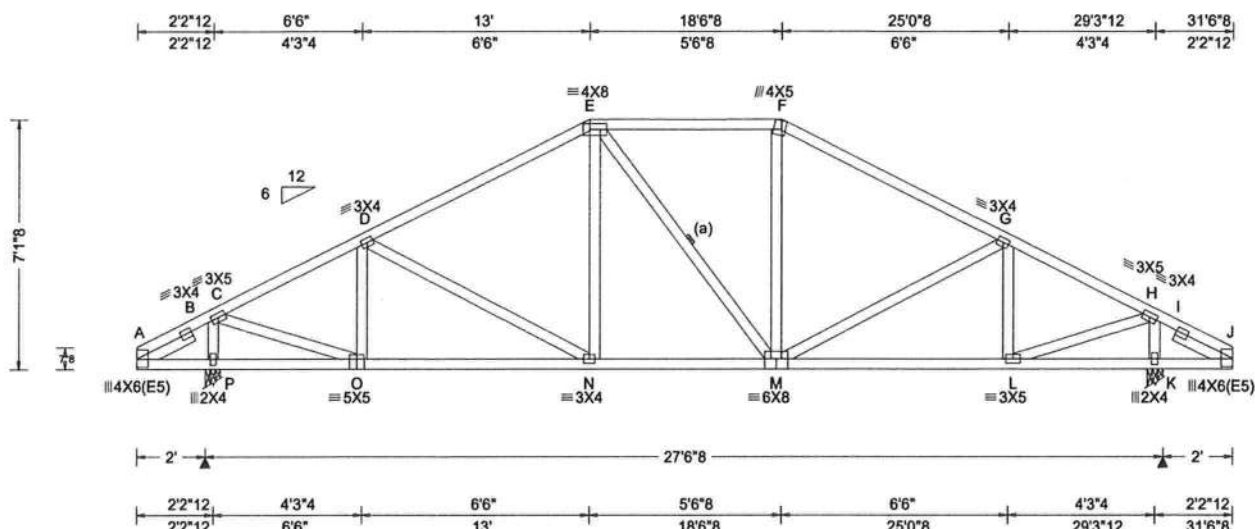
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316293 / FROM: CDM	HIPS Qty: 2	Ply: 1 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: C03	Cust: R 215 JRef: 1WYe2150005 T35 / DrwNo: 248.20.0945.02678 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-10 Speed: 130 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: 3.15 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.045 N 999 240 VERT(CL): 0.090 N 999 180 HORZ(LL): 0.018 L - - HORZ(TL): 0.037 L - - Creep Factor: 2.0 Max TC CSI: 0.405 Max BC CSI: 0.499 Max Web CSI: 0.476 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL P 1347 /- /- /803 /36 /167 K 1339 /- /- /803 /36 /- Wind reactions based on MWFRS P Brg Width = 5.3 Min Req = 1.5 K Brg Width = 5.3 Min Req = 1.5 Bearings P & 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. C - D 346 - 1371 F - G 386 - 1354 D - E 387 - 1373 G - H 345 - 1363 E - F 396 - 1134 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. O - N 1205 - 247 M - L 1197 - 248 N - M 1146 - 180 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. P - C 363 - 1260 L - H 1245 - 270 C - O 1250 - 270 H - K 363 - 1256

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.779'
Rt Slider: 2x4 SP #3; block length = 1.779'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Left and right cantilevers are exposed to wind

Blocking

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 2 located at 29.1'

Additional Notes

The overall height of this truss excluding overhang is 7'-1-8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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Lumber	C - D	354 - 1335	G - H	354 - 1336
Top chord: 2x4 SP #2;	D - E	368 - 1153	I - J	669 - 623
Bot chord: 2x4 SP #2;	E - F	356 - 962		
Webs: 2x4 SP #3;				
Lt Slider: 2x4 SP #3; block length = 1.500'				
Rt Slider: 2x4 SP #3; block length = 1.500'				

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.

Wind		Maximum Web Forces Per Ply (lbs)			
Wind loads based on MWFRS with additional C&C member design.		Webs	Tens.Comp.	Webs	Tens. Comp.
Left and right cantilevers are exposed to wind		P - C	449 - 1618	H - K	450 - 1621

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

A circular professional engineer seal for the State of Florida. The outer ring contains the text "Yoonhwak Kim" at the top and "Professional Engineer" at the bottom, separated by two stars. The inner circle contains the word "LICENSE" at the top, "No. 86367" in the center, and "STATE OF FLORIDA" at the bottom, also separated by two stars. The seal is stamped in black ink on a white background.

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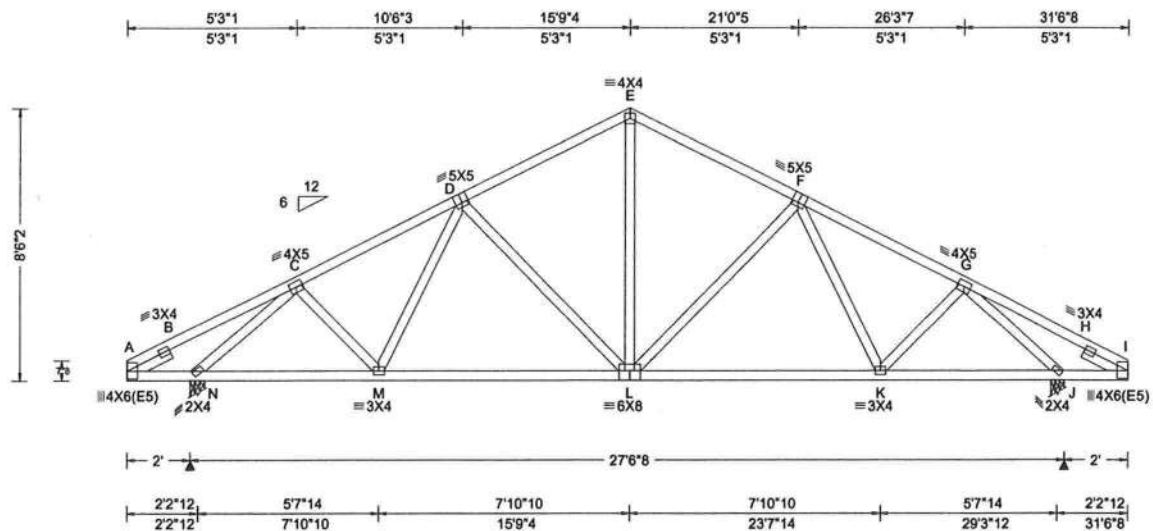
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6750 Forum Drive
 Suite 305
 Orlando FL, 32821

SEQN: 316287 / FROM: CDM	COMN Qty: 7	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: C05	Cust: R215 JRef: 1WYe2150005 T6 / DrwNo: 248.20.0945.03178 / YK 09/04/2020
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)										
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/def	L/#	Gravity			Non-Gravity				
TCDL:	10.00	Speed:	130 mph	Pf: NA		Ce: NA	VERT(LL):	0.053	L	999	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL):	0.102	L	999	180	N	1391	/-	/-	/802	/8	/202
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL):	0.027	J	-	-	J	1391	/-	/-	/802	/8	/-
Des Ld:	40.00	EXP: C	Kzt: NA				HORZ(TL):	0.053	J	-	-	Wind reactions based on MWFRS						
NCBCLL:	10.00	Mean Height:	15.00 ft	Building Code:	FBC 2017 RES		Creep Factor:	2.0				N	Brg Width = 5.3	Min Req = 1.5				
Soffit:	2.00	TCDL:	5.0 psf	TPI Std:	2014		Max TC CSI:	0.445				J	Brg Width = 5.3	Min Req = 1.5				
Load Duration:	1.25	BCDL:	5.0 psf	Rep Fac:	Yes		Max BC CSI:	0.767				Bearings N & J are a rigid surface.						
Spacing:	24.0 "	MWFRS Parallel Dist:	> 2h	FT/RT:	20(0)/10(0)		Max Web CSI:	0.687				Members not listed have forces less than 375#						
		C&C Dist a:	3.15 ft	Plate Type(s):	WAVE							Maximum Top Chord Forces Per Ply (lbs)						
		Loc. from endwall:	not in 9.00 ft									Chords	Tens.Comp.	Chords	Tens. Comp.			
		GCpi:	0.18									A - B	748	-696	E - F	349	-1232	
		Wind Duration:	1.60									C - D	342	-1494	F - G	342	-1492	
												D - E	349	-1232	H - I	748	-697	
												E - F	748	-696	I - J	748	-696	
												F - G	342	-1494	J - K	342	-1492	
												G - H	349	-1232	K - L	349	-1232	
												H - I	748	-696	L - M	748	-696	
												I - J	342	-1494	M - N	342	-1492	
												J - K	349	-1232	N - O	349	-1232	
												K - L	748	-696	O - P	748	-696	
												L - M	342	-1494	P - Q	342	-1492	
												M - N	349	-1232	Q - R	349	-1232	
												N - O	748	-696	R - S	748	-696	
												O - P	342	-1494	S - T	342	-1492	
												P - Q	349	-1232	T - U	349	-1232	
												Q - R	748	-696	U - V	748	-696	
												R - S	342	-1494	V - W	342	-1492	
												S - T	349	-1232	W - X	349	-1232	
												T - U	748	-696	X - Y	748	-696	
												U - V	342	-1494	Y - Z	342	-1492	
												V - W	349	-1232	Z - AA	349	-1232	
												W - X	748	-696	AA - AB	748	-696	
												X - Y	342	-1494	AB - AC	342	-1492	
												Y - Z	349	-1232	AC - AD	349	-1232	
												Z - AA	748	-696	AD - AE	748	-696	
												AA - AB	342	-1494	AE - AF	342	-1492	
												AB - AC	349	-1232	AF - AG	349	-1232	
												AC - AD	748	-696	AG - AH	748	-696	
												AD - AE	342	-1494	AH - AI	342	-1492	
												AE - AF	349	-1232	AI - AJ	349	-1232	
												AF - AG	748	-696	AJ - AK	748	-696	
												AG - AH	342	-1494	AK - AL	342	-1492	
												AH - AI	349	-1232	AL - AM	349	-1232	
												AI - AJ	748	-696	AM - AN	748	-696	
												AJ - AK	342	-1494	AN - AO	342	-1492	
												AK - AL	349	-1232	AO - AP	349	-1232	
												AL - AM	748	-696	AP - AQ	748	-696	
												AM - AN	342	-1494	AQ - AR	342	-1492	
												AN - AO	349	-1232	AR - AS	349	-1232	
												AO - AP	748	-696	AS - AT	748	-696	
												AP - AQ	342	-1494	AT - AU	342	-1492	
												AQ - AR	349	-1232	AU - AV	349	-1232	
												AR - AS	748	-696	AV - AW	748	-696	
												AS - AT	342	-1494	AW - AX	342	-1492	
												AT - AU	349	-1232	AX - AY	349	-1232	
												AU - AV	748	-696	AY - AZ	748	-696	
												AV - AW	342	-1494	AZ - BA	342	-1492	
												AW - AX	349	-1232	BA - BB	349	-1232	
												AX - AY	748	-696	BB - BC	748	-696	
												AY - AZ	342	-1494	BC - BD	342	-1492	
												AZ - BA	349	-1232	BD - BE	349	-1232	
												BA - BB	748	-696	BE - BF	748	-696	
												BB - BC	342	-1494	BF - BG	342	-1492	
												BC - BD	349	-1232	BG - BH	349	-1232	
												BD - BE	748	-696	BH - BI	748	-696	
												BE - BF	342	-1494	BI - BJ	342	-1492	
												BF - BG	349	-1232	BJ - BK	349	-1232	
												BG - BH	748	-696	BK - BL	748	-696	
												BH - BI	342	-1494	BL - BM	342	-1492	
												BI - BJ	349	-1232	BM - BN	349	-1232	
												BJ - BK	748	-696	BN - BO	748	-696	
												BK - BL	342	-1494	BO - BP	342	-1492	
												BL - BM	349	-1232	BP - BQ	349	-1232	
												BM - BN	748	-696	BQ - BR	748	-696	
												BN - BO	342	-1494	BR - BS	342	-1492	
												BO - BP	349	-1232	BS - BT	349	-1232	
												BP - BQ	748	-696	BT - BU	748	-696	
												BQ - BR	342	-1494	BU - BV	342	-1492	
												BR - BS	349	-1232	BV - BW	349	-1232	
												BS - BT	748	-696	BW - BX	748	-696	
												BT - BU	342	-1494	BX - BY	342	-1492	
												BU - BV	349	-1232	BY - BZ	349	-1232	
												BV - BW	748	-696	BZ - CA	748	-696	
												BW - BX	342	-1494	CA - CB	342	-1492	
												BX - BY	349	-1232	CB - CC	349	-1232	
												BY - BZ	748	-696	CC - CD	748	-696	
												BZ - CA	342	-1494	CD - CE	342	-1492	
												CA - CB	349	-1232	CE - CF	349	-1232	
												CB - CC	748	-696	CF - CG	748	-696	
												CC - CD	342	-1494	CG - CH	342	-1492	
												CD - CE	349	-1232	CH - CI	349	-1232	
												CE - CF	748	-696	CI - CJ	748	-696	
												CF - CG	342	-1494	CJ - CK	342	-1492	
												CG - CH	349	-1232	CK - CL	349	-1232	
												CH - CI	748	-696	CL - CM	748	-696	
												CI - CJ	342	-1494	CM - CN	342	-1492	
												CJ - CK	349	-1232	CN - CO	349	-1232	
												CK - CL	748	-696	CO - CP	748	-696	
												CL - CM	342	-1494	CP - CQ	342	-1492	
												CM - CN	349	-1232	CQ - CR	349	-1232	
												CN - CO	748	-696	CR - CS	748	-696	
												CO - CP	342	-1494	CS - CT	342	-1492	
												CP - CQ	349	-1232	CT - CU	349	-1232	
												CQ - CR	748	-696	CU - CV	748	-696	
												CR - CS	342	-1494	CV - CW	342	-1492	
												CS - CT	349	-1232	CW - CX	349	-1232	
												CT - CU	748	-696	CX - CY	748	-696	
												CU - CV	342	-1494	CY - CZ	342	-1492	
												CV - CW	349	-1232	CZ - DA	349	-1232	
												CW - CX	748	-696	DA - DB	748	-696	
												CX - CY	342	-1494	DB - DC	342	-1492	
												CY - CZ	349	-1232	DC - DD	349	-1232	
												CZ - DA	748	-696	DD - DE	748	-696	
												DA - DB	342	-1494	DE - DF	342	-1492	
												DB - DC	349	-1232	DF - DG	349	-1232	
												DC - DD	748	-696	DG - DH	748	-696	
												DD - DE	342	-1494	DH - DI	342	-1492	
												DE - DF	349	-1232	DI - DJ	349	-1232	
												DF - DG	748	-696	DJ - DK	748	-696	

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

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 and right cantilevers are exposed to wind

Blocking
Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 2 located at 29.1'

Additional Notes
The overall height of this truss excluding overhang is 8'-6.2."



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
N - M	1109 -196	L - K	1260 -182
M - L	1261 -181	K - J	1108 -196

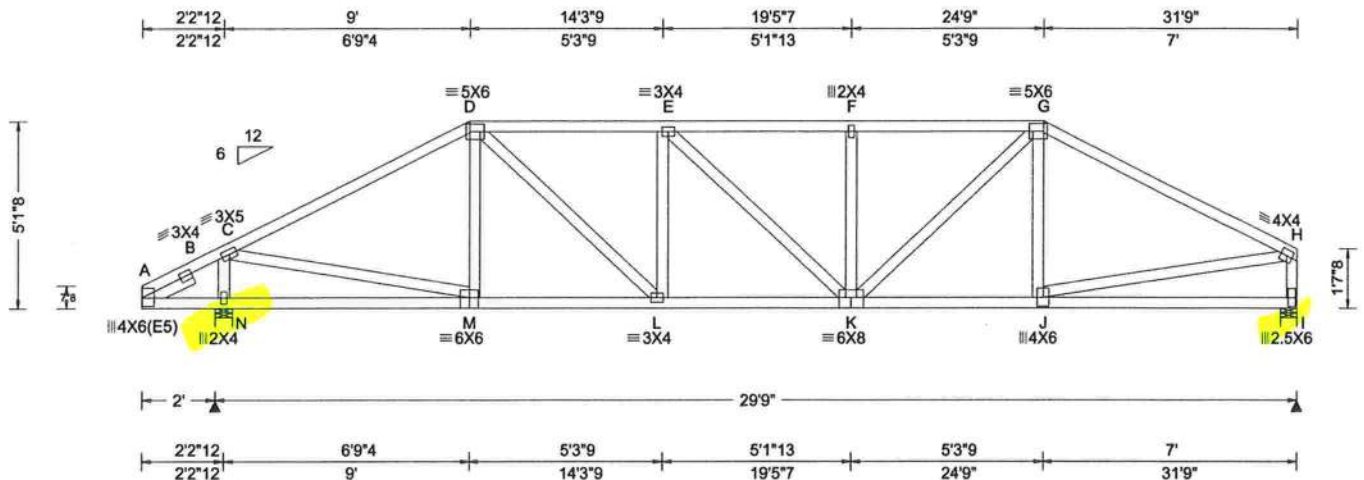
Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
N - C	450 -1794	G - J	450 -1791
E - L	704 -156		

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Orlando FL, 32821

SEQN: 316717 / FROM: CDM	HIPS Qty: 2	Ply: 2 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: C06	Cust: R215 JRef: 1WYe2150005 T14 / DrwNo: 248.20.0945.04066 / YK 09/04/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 Std: ASCE 7-10 Speed: 130 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: 3.18 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.091 F 999 240 VERT(CL): 0.184 F 999 180 HORZ(LL): 0.024 D - - HORZ(TL): 0.050 D - - Creep Factor: 2.0 Max TC CSI: 0.577 Max BC CSI: 0.761 Max Web CSI: 0.579 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL N 2553 -/- /- /- /832 -/- I 2342 -/- /- /- /787 -/- Wind reactions based on MWFRS N Brg Width = 5.5 Min Req = 1.5 I Brg Width = 5.5 Min Req = 1.5 Bearings N & 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. C - D 608 -1706 F - G 701 -2023 D - E 693 -2001 G - H 621 -1752 E - F 701 -2023

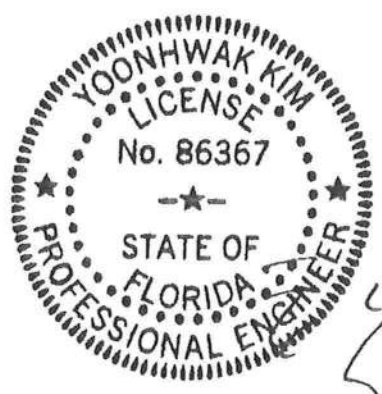
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'

Nailnote
Nail Schedule: 0.131"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 62 plf at 0.00 to 62 plf at 9.00
TC: From 31 plf at 9.00 to 31 plf at 24.75
TC: From 62 plf at 24.75 to 62 plf at 31.75
BC: From 20 plf at 0.00 to 20 plf at 9.03
BC: From 10 plf at 9.03 to 10 plf at 24.72
BC: From 20 plf at 24.72 to 20 plf at 31.75
TC: 118 lb Conc. Load at 9.06, 11.06, 13.06, 15.06
16.87, 18.69, 20.69, 22.69, 24.69
BC: 411 lb Conc. Load at 9.03, 24.72
BC: 149 lb Conc. Load at 11.06, 13.06, 15.06, 16.87
18.69, 20.69, 22.69

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind
Wind loads and reactions based on MWFRS.
Left cantilever is exposed to wind
Additional Notes
The overall height of this truss excluding overhang is 5'-1-8".

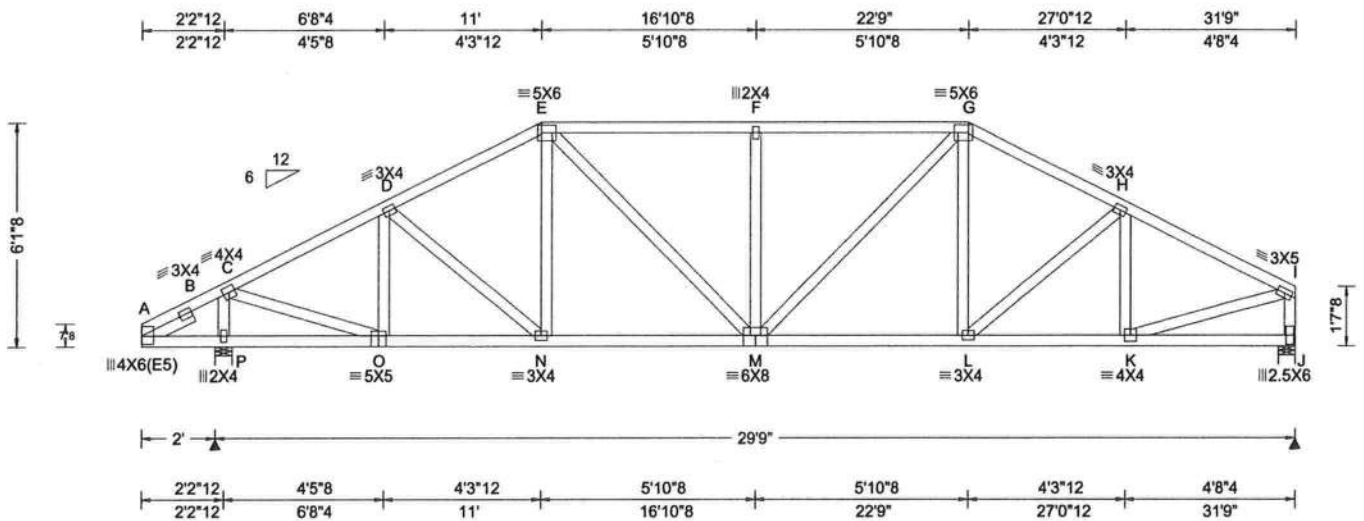


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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SEQN: 316313 / FROM: CDM	HIPS Qty: 2	Ply: 1 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: C07	Cust: R 215 JRef: 1WYe2150005 T113 DrwNo: 248.20.0945.02679 / YK 09/04/2020
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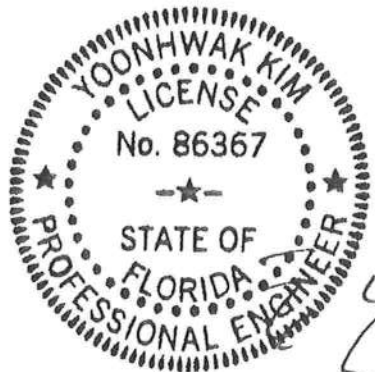
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.065 F 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.134 F 999 180	P 1406	/-	/-	/854	/233	/135	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.022 J - -	J 1212	/-	/-	/687	/215	/-	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.045 J - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	P	Brg Width = 5.5		Min Req = 1.5			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.457	J	Brg Width = 5.5		Min Req = 1.5			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.508	Bearings P & J are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.516	Members not listed have forces less than 375#						
	C&C Dist a: 3.18 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft			Chords	Tens.Comp.	Chords	Tens. Comp.			
	GCpi: 0.18		VIEW Ver: 18.02.01B.0321.09	C - D	405 - 1451	F - G	517 - 1573			
	Wind Duration: 1.60			D - E	467 - 1513	G - H	474 - 1544			
				E - F	517 - 1573	H - I	419 - 1540			
Lumber										

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.50'

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left cantilever is exposed to wind

Additional Notes
The overall height of this truss excluding overhang is 6'-1-8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

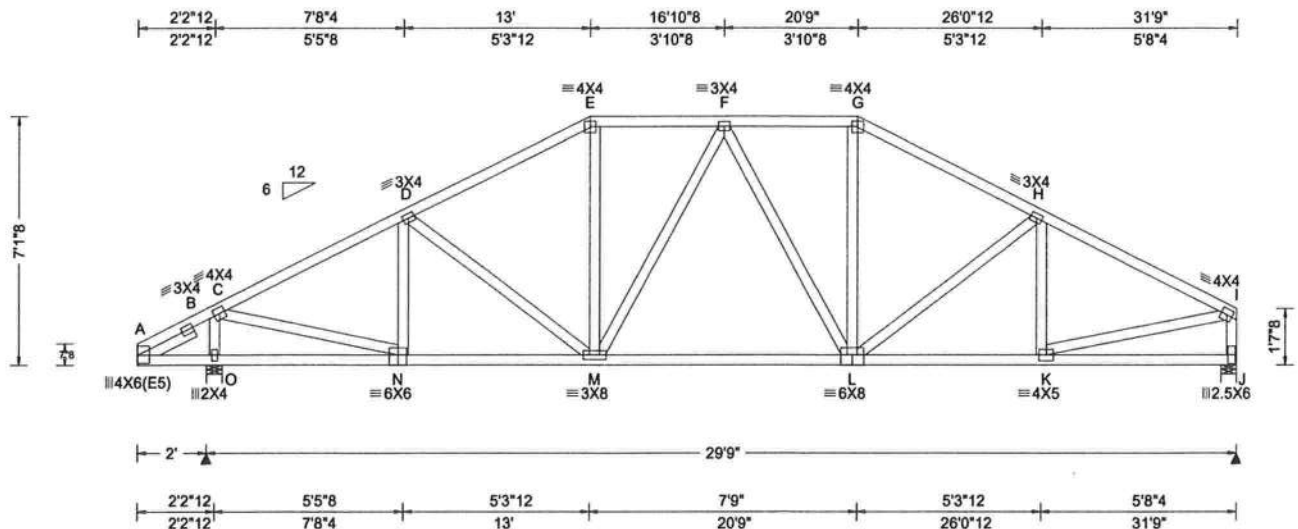
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
O - N	1263 - 323	M - L	1327 - 288
N - M	1302 - 297	L - K	1344 - 325

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
P - C	398 - 1308	F - M	156 - 393
C - O	1265 - 289	K - I	1356 - 325
E - M	386 - 115	I - J	336 - 1170

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Suite 305
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SEQN: 316310 / FROM: CDM	HIPS Qty: 2	Ply: 1 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: C08	Cust: R 215 JRef: 1WYe2150005 T111 DrwNo: 248.20.0945.04037 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.18 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.065 F 999 240 VERT(CL): 0.128 F 999 180 HORZ(LL): 0.022 J - - HORZ(TL): 0.045 J - - Creep Factor: 2.0 Max TC CSI: 0.432 Max BC CSI: 0.727 Max Web CSI: 0.556 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL O 1467 /- /- /861 /231 /160 J 1272 /- /- /694 /213 /- Wind reactions based on MWFRS O Brg Width = 5.5 Min Req = 1.5 J Brg Width = 5.5 Min Req = 1.5 Bearings O & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 413 -1620 F - G 433 -1359 D - E 448 -1575 G - H 455 -1593 E - F 443 -1346 H - I 427 -1697

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.779'

Loading

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

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

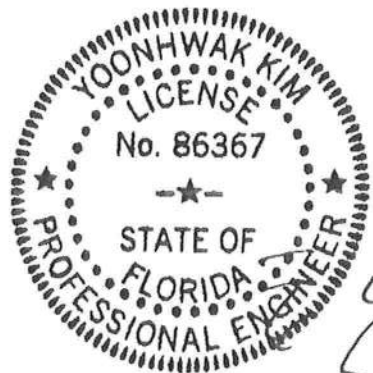
Wind

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

Left cantilever is exposed to wind

Additional Notes

The overall height of this truss excluding overhang is 7'-1.8.



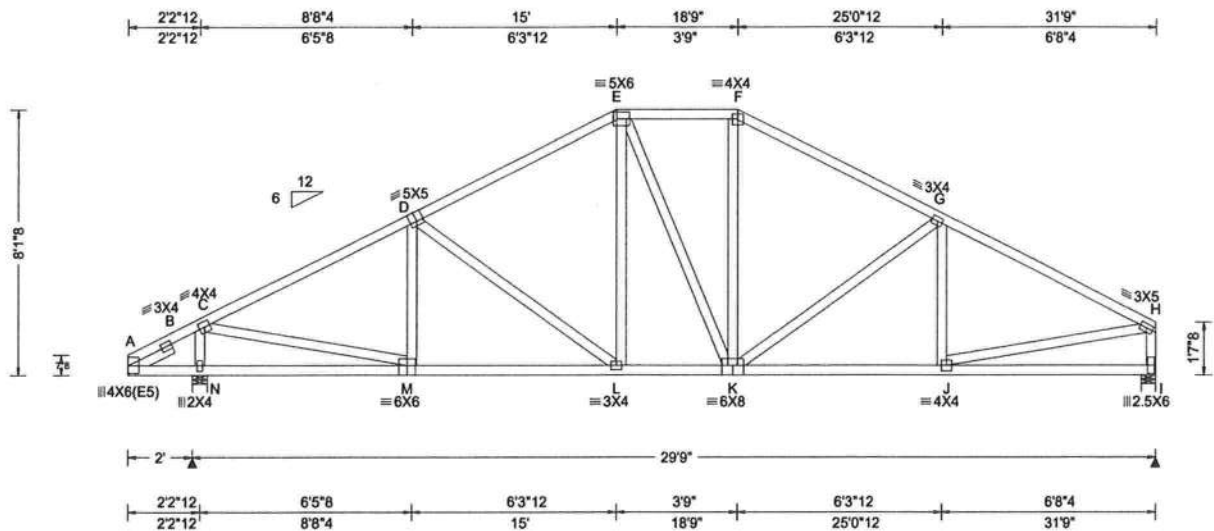
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09/04/2020

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
N - M 1399 -319 L - K 1470 -320
M - L 1413 -274
Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
O - C 396 -1350 L - G 404 -97
C - N 1352 -284 K - I 1459 -313
E - M 387 -75 I - J 330 -1218

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SEQN: 316307 / FROM: CDM	HIPS Qty: 2	Ply: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: C09	Cust: R 215 JRef: 1WYe2150005 T110 DrwNo: 248.20.0945.03879 / YK 09/04/2020
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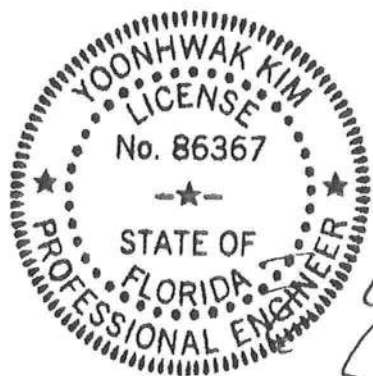
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.056 L 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.116 L 999 180	N	1406	/-	/-	/864	/36	/186
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.018 I - -	I	1212	/-	/-	/696	/24	/-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.039 I - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	N	Brg Width = 5.5		Min Req = 1.5			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.600	I	Brg Width = 5.5		Min Req = 1.5			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.675	Bearings N & I are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.528	Members not listed have forces less than 375#						
	C&C Dist a: 3.18 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft			Chords	Tens.	Comp.	Chords	Tens.	Comp.	
	GCpi: 0.18		VIEW Ver: 18.02.01B.0321.09	C - D	408	-1595	F - G	434	-1373	
	Wind Duration: 1.60			D - E	405	-1599	G - H	425	-1373	

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left cantilever is exposed to wind

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



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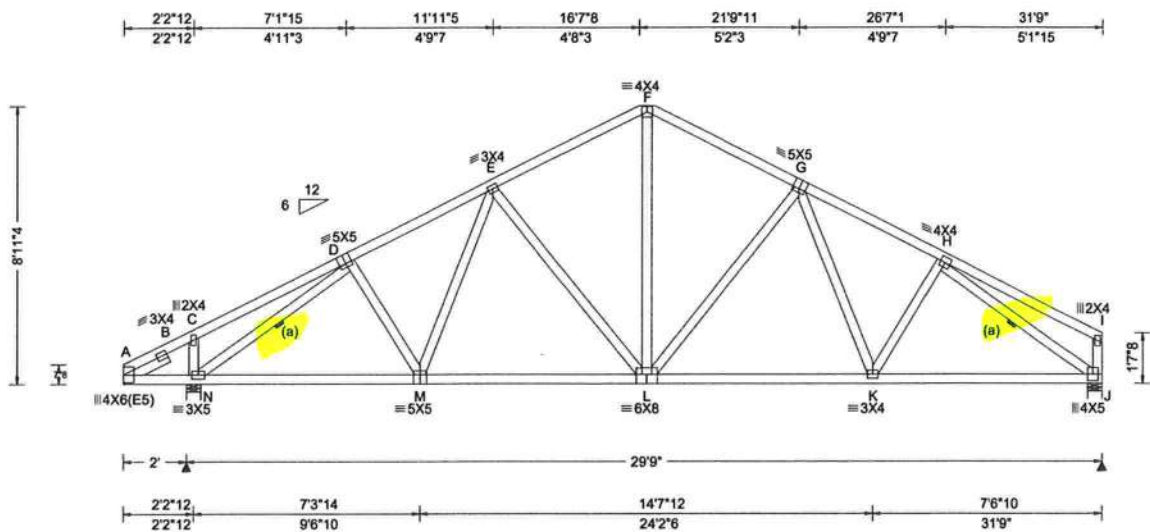
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.	Comp.	
M - L	1357	-305	K - J
L - K	1139	-210	

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.	Comp.	
N - C	394	-1293	J - H
C - M	1274	-265	H - I

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SEQN: 316304 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: C10	Cust: R 215 JRef: 1WYe2150005 T114 DrwNo: 248.20.0945.04223 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	N	1413	/-	/-	/862	/10	/208
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.058 L 999 240	J	1206	/-	/-	/688	/22	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.120 L 999 180	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.029 J - -	N	Brg Width = 5.5		Min Req = 1.5			
	EXP: C Kzt: NA		HORZ(TL): 0.061 J - -	J	Brg Width = 5.5		Min Req = 1.5			
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	Bearings N & J are a rigid surface.						
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.323	Members not listed have forces less than 375#						
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.758	Maximum Top Chord Forces Per Ply (lbs)						
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.481	Chords	Tens.Comp.	Chords	Tens. Comp.			
Spacing: 24.0 "	C&C Dist a: 3.18 ft			D - E	391 - 1489	F - G	387 - 1221			
	Loc. from endwall: not in 9.00 ft		VIEW Ver: 18.02.01B.0321.09	E - F	372 - 1223	G - H	430 - 1563			
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.535'

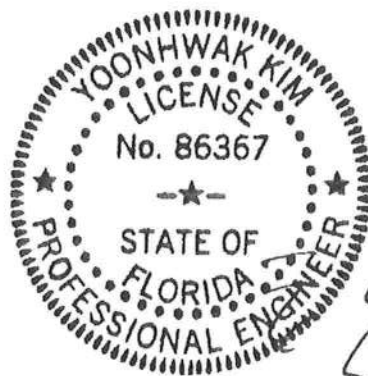
Bracing
(a) Continuous lateral restraint equally spaced on member.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left cantilever is exposed to wind

Additional Notes
The overall height of this truss excluding overhang is 8-11-4.

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.		Tens. Comp.
N - M	1233 - 254		-217
M - L	1244 - 225		-284
L - K	1276		-217
K - J	1337		-284

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.		Tens. Comp.
N - D	352 - 1605		-393
F - L	718 - 206		-1626
L - G	158		-393
H - J	343		-1626

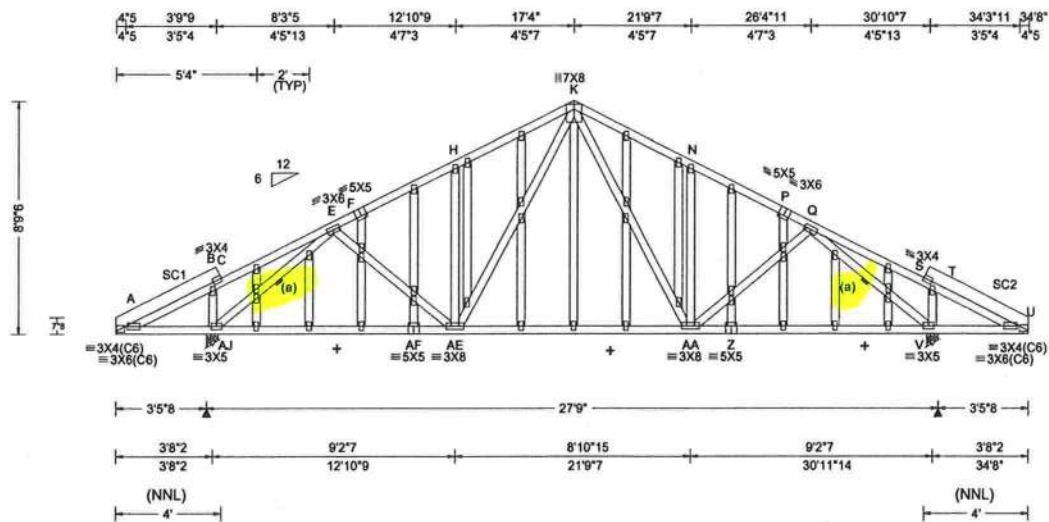


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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SEQN: 316352 / FROM: CDM	GABL Qty: 2	Ply: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: D01	Cust: R215 JRef: 1WYe2150005 T9 / DrwNo: 248.20.0945.03100 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity		Non-Gravity				
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.046 L 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.096 L 999 180	AJ	1438	/-	/-	/921	/277	/226
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.020 G - -	V	1438	/-	/-	/921	/277	-
	EXP: C Kzt: NA		HORZ(TL): 0.043 G - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 19.37 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	AJ	Brg Width = 5.3		Min Req = 1.5			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.304	V	Brg Width = 5.3		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.420	Bearings AJ & V are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.385	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.47 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: Any			Chords	Tens.Comp.	Chords	Tens. Comp.			
	GCpi: 0.18			C - E	383	-218	K - N	829	-1196	
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.09							

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x6 SP 2400f-2.0E;
Stack Chord: SC2 2x6 SP 2400f-2.0E;

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

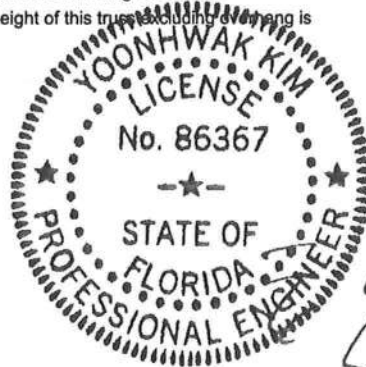
Plating Notes
All plates are 2X4 except as noted.

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

Purlins
In lieu of structural panels use purlins to brace TC @ 24" oc.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left and right cantilevers are exposed to wind
+ Member to be laterally braced for out of plane wind loads

Additional Notes
See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.
The overall height of this truss including overhang is 8-9-6.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
AJ-AF	975 -290	AA - Z	975 -290
AF-AE	975 -289	Z - V	975 -291
AE-AA	849 -140		

Maximum Web Forces Per Ply (lbs)

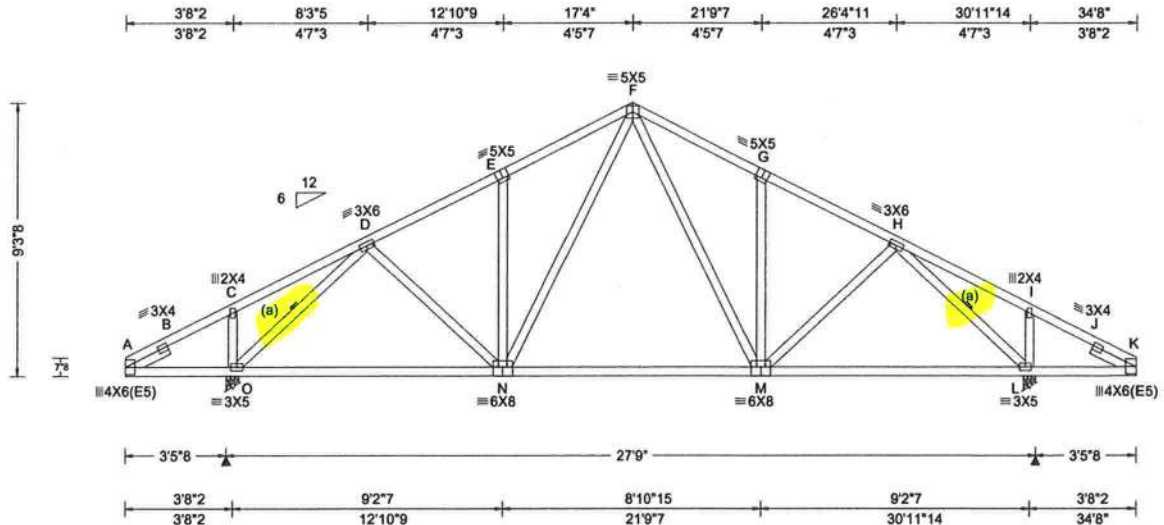
Webs	Tens.Comp.	Webs	Tens. Comp.
AJ - E	814 -1632	K - AA	388 -305
AE - K	388 -305	Q - V	814 -1632

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09/04/2020

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SEQN: 316349 / FROM: CDM	COMN Qty: 14	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: D02	Cust: R 215 JRef: 1WYe2150005 T99 / DrwNo: 248.20.0945.02507 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.79 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.47 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.044 G 999 240 VERT(CL): 0.085 G 999 180 HORZ(LL): 0.020 L - - HORZ(TL): 0.041 L - - Creep Factor: 2.0 Max TC CSI: 0.356 Max BC CSI: 0.848 Max Web CSI: 0.415 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL O 1535 /- /- /918 /290 /227 L 1535 /- /- /918 /290 /- Wind reactions based on MWFRS O Brg Width = 5.3 Min Req = 1.5 L Brg Width = 5.3 Min Req = 1.5 Bearings O & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 378 -337 F - G 437 -1306 D - E 344 -1310 G - H 344 -1311 E - F 437 -1305 J - K 377 -337

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.618'
Rt Slider: 2x4 SP #3; block length = 1.618'

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

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Left and right cantilevers are exposed to wind

Blocking
Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 2 located at 30.8'

Additional Notes
The overall height of this truss excluding overhang is 9'-3-8".

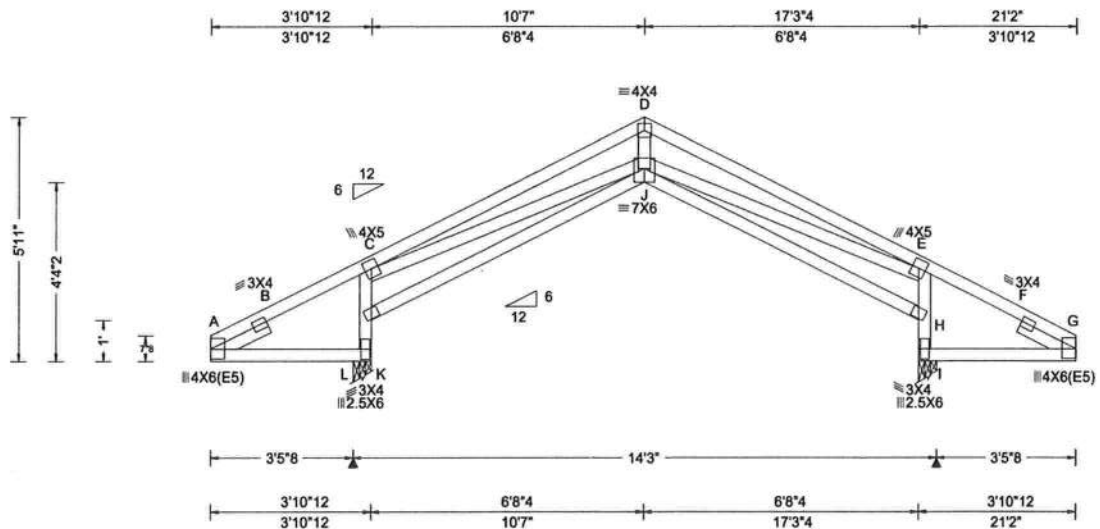


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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AN ITW COMPANY
6750 Forum Drive
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Orlando FL, 32821

SEQN: 316354 / FROM: CDM	COMN Ply: 1 Qty: 8	Job Number: 20-4538 Grande Cypress ALF Truss Label: D03	Cust: R215 JRef: 1WYe2150005 T21 / DrwNo: 248.20.0945.02757 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria		▲ Maximum Reactions (lbs)							
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#		Gravity			Non-Gravity				
TCDL: 10.00	Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL): 0.108 J 999 240		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.239 J 685 180		L	908	-/-	-/-	/619	/31	/134	
BCDL: 10.00	Risk Category: II	Snow Duration: NA			HORZ(LL): 0.107 H - -		I	908	-/-	-/-	/619	/31	-/-	
	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE			HORZ(TL): 0.248 H - -		Wind reactions based on MWFRS							
Des Ld: 40.00	Mean Height: 15.00 ft				Creep Factor: 2.0		L Brg Width = 5.3			Min Req = 1.5				
NCBCLL: 10.00	TCDL: 5.0 psf				Max TC CSI: 0.681		I Brg Width = 5.3			Min Req = 1.5				
Soffit: 2.00	BCDL: 5.0 psf				Max BC CSI: 0.370		Bearings L & I are a rigid surface.							
Load Duration: 1.25	MWFRS Parallel Dist: > 2h				Max Web CSI: 0.784		Members not listed have forces less than 375#							
Spacing: 24.0 *	C&C Dist a: 3.00 ft						Maximum Top Chord Forces Per Ply (lbs)							
	Loc. from endwall: not in 9.00 ft						Chords		Tens.Comp.		Chords		Tens. Comp.	
	GCpl: 0.18						A - B		416 - 325		D - E		174 - 1666	
	Wind Duration: 1.60				VIEW Ver: 18.02.01B.0321.09		C - D		135 - 1666		F - G		435 - 325	

Lumber

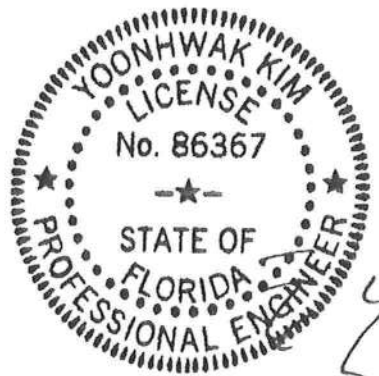
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Wind

Wind loads based on MWFRS with additional C&C member design.
Left and right cantilevers are exposed to wind

Additional Notes

The overall height of this truss excluding overhang is 5-11-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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

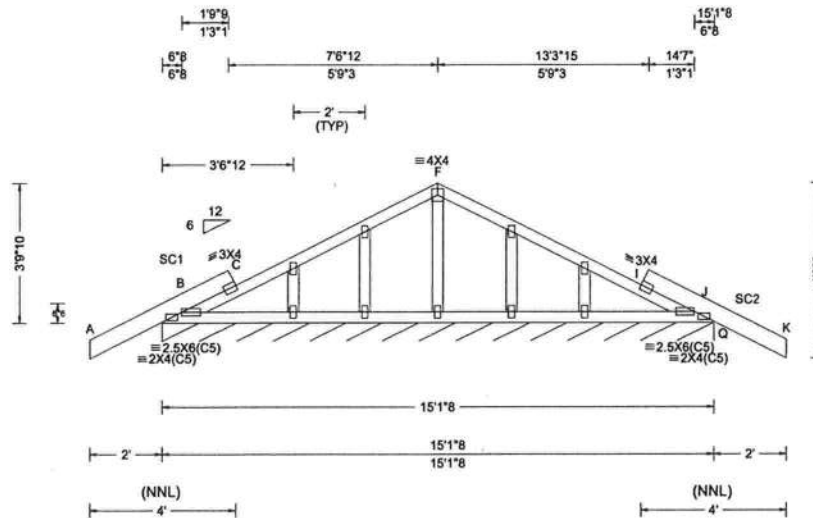
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 316368 / FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: E01	Cust: R 215 JRef: 1WYe2150005 T28 / DrwNo: 248.20.0945.04019 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.42 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.003 C 999 240 VERT(CL): 0.006 C 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.079 Max BC CSI: 0.050 Max Web CSI: 0.058 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Q* 100 /- /- /49 /27 /10 Wind reactions based on MWFRS Q Brg Width = 181 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;
Stack Chord: SC1 2x6 SP 2400f-2.0E;
Stack Chord: SC2 2x6 SP 2400f-2.0E;

Plating Notes

All plates are 2X4 except as noted.

Purlins

In lieu of structural panels use purlins to brace TC @ 24" oc.

Wind

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

Additional Notes

See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

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

The overall height of this truss excluding overhang is 3-9-10.



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09/04/2020

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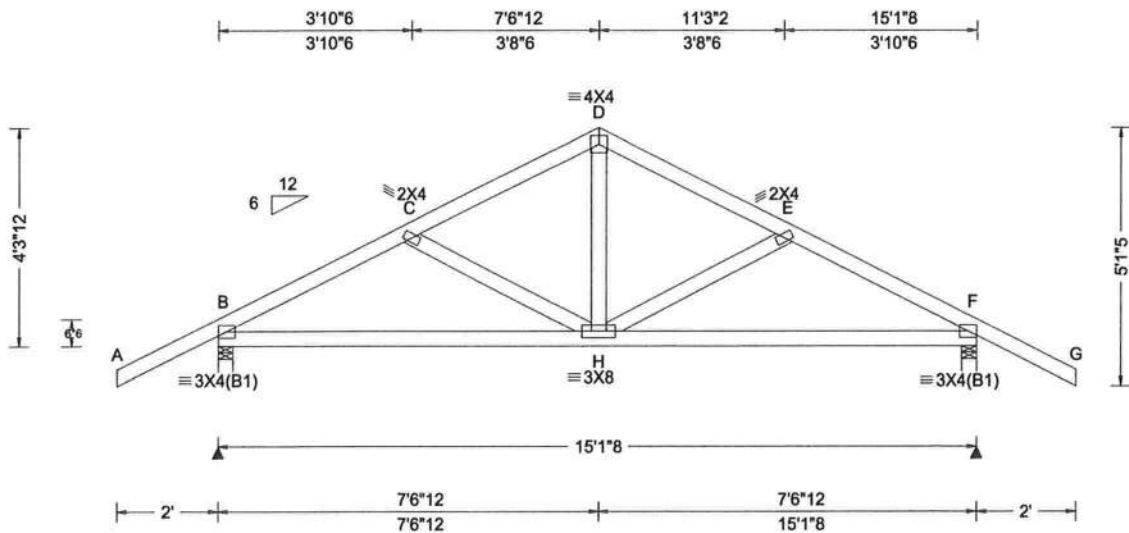
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316366 / FROM: CDM	COMN Qty: 6	Job Number: 20-4538 Grande Cypress ALF Truss Label: E02	Cust: R 215 JRef: 1WYe2150005 T26 / DrwNo: 248.20.0945.04316 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)					
				Gravity			Non-Gravity		
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U / RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.030 H 999 240	B	757	/-	/-	/470	/212 /149
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.059 H 999 180	F	757	/-	/-	/470	/212 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.014 H - -	Wind reactions based on MWFRS					
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.028 H - -	B	Brg Width = 3.5		Min Req = 1.5		
NCBCLL: 10.00	Mean Height: 20.67 ft		Creep Factor: 2.0	F	Brg Width = 3.5		Min Req = 1.5		
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.398	Bearings B & F are a rigid surface.					
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.557	Members not listed have forces less than 375#					
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.146	Maximum Top Chord Forces Per Ply (lbs)					
	C&C Dist a: 3.00 ft			Chords	Tens.Comp.	Chords	Tens. Comp.		
	Loc. from endwall: not in 4.50 ft		VIEW Ver: 18.02.01B.0321.09	B - C	254	-889	D - E	215	-687
	GCpi: 0.18			C - D	214	-687	E - F	252	-889
	Wind Duration: 1.60								

Lumber

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

Wind

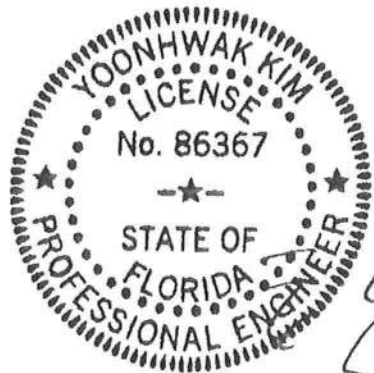
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

The overall height of this truss excluding overhang is 4'-3-12".

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	729 -137	H - F	729 -148

Maximum Web Forces Per Ply (lbs)	
Webs	Tens.Comp.
D - H	382 -75



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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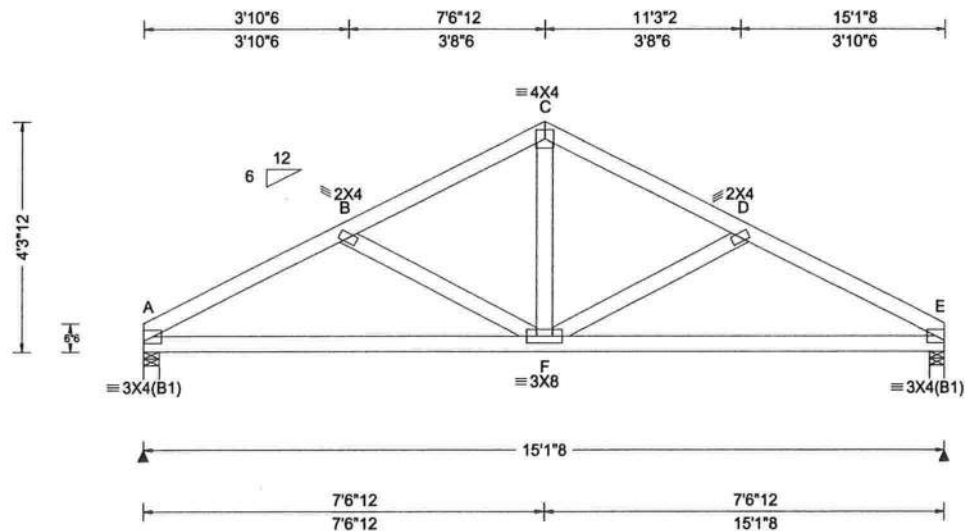
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316370 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: E03	Cust: R215 JRef: 1WYe2150005 T36 / DrwNo: 248.20.0945.03395 / YK 09/04/2020
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)					
TCLL: 20.00		Wind Std: ASCE 7-10		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/def L/#		Gravity			Non-Gravity		
TCDL: 10.00		Speed: 130 mph		Pf: NA Ce: NA		VERT(LL): 0.026 F 999 240		Loc	R+	/ R-	/ Rh	/ Rw	/ U / RL
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.054 F 999 180		A	623	/-	/-	/351	/104 /95
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.012 F - -		E	623	/-	/-	/351	/104 /-
Des Ld: 40.00		EXP: C Kzt: NA		Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE		HORZ(TL): 0.024 F - -		Wind reactions based on MWFRS					
NCBCLL: 10.00		Mean Height: 21.17 ft				Creep Factor: 2.0		A Brg Width = 3.5 Min Req = 1.5					
Soffit: 2.00		TCDL: 5.0 psf				Max TC CSI: 0.214		E Brg Width = 3.5 Min Req = 1.5					
Load Duration: 1.25		BCDL: 5.0 psf				Max BC CSI: 0.576		Bearings A & E are a rigid surface.					
Spacing: 24.0 "		MWFRS Parallel Dist: h/2 to h				Max Web CSI: 0.154		Members not listed have forces less than 375#					
		C&C Dist a: 3.00 ft						Maximum Top Chord Forces Per Ply (lbs)					
		Loc. from endwall: not in 9.00 ft						Chords		Tens.Comp.		Chords Tens. Comp.	
		GCpi: 0.18						A - B		330 -962		C - D 269 -733	
		Wind Duration: 1.60						VIEW Ver: 18.02.01B.0321.09		B - C 269 -733		D - E 330 -962	

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.

Additional Notes

The overall height of this truss excluding overhang is 4'-3-12".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - F	807 -239	F - E	807 -239

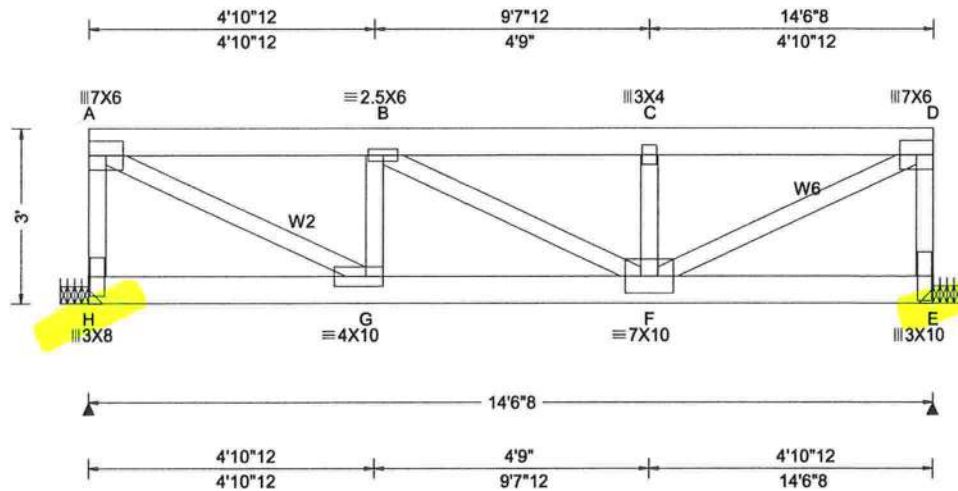
Maximum Web Forces Per Ply (lbs)	
Webs	Tens.Comp.
C - F	405 -109

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

SEQN: 316593 / FROM: CDM	FLAT Qty: 1	Ply: 2 Job Number: 20-4538 Grande Cypress ALF Truss Label: FT01	Cust: R 215 JRef: 1WYe2150005 T59 / DrwNo: 248.20.0945.03380 / YK 09/04/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)					
				Gravity			Non-Gravity		
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.050 C 999 240	H	3764	/-	/-	/-	/1086 /-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.104 C 999 180	E	4642	/-	/-	/-	/1288 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 A - -	Wind reactions based on MWFRS					
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.021 A - -	H	Brg Width = -		Min Req = -		
NCBCLL: 0.00	Mean Height: 15.00 ft		Creep Factor: 2.0	E	Brg Width = -		Min Req = -		
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.360	Members not listed have forces less than 375#					
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.215	Maximum Top Chord Forces Per Ply (lbs)					
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.314	Chords Tens.Comp. Chords Tens. Comp.					
	C&C Dist a: 3.00 ft		VIEW Ver: 18.02.01B.0321.09	A - B	788 - 2810		C - D		823 - 2935
	Loc. from endwall: not in 9.00 ft			B - C	823 - 2935				
	GCpi: 0.18								
	Wind Duration: 1.60								

Lumber

Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2,W6 2x4 SP M-31;

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 2 Rows @ 5.50" o.c. (Each Row)
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 4 plf at 0.00 to 4 plf at 14.54
BC: From 20 plf at 0.00 to 20 plf at 14.54
TC: 1151 lb Conc. Load at 2.06, 4.06, 6.06, 8.06
10.06, 12.06, 14.06

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind

Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 3'-0".

WIND LOAD CASE MODIFIED!

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 fabricator's layout.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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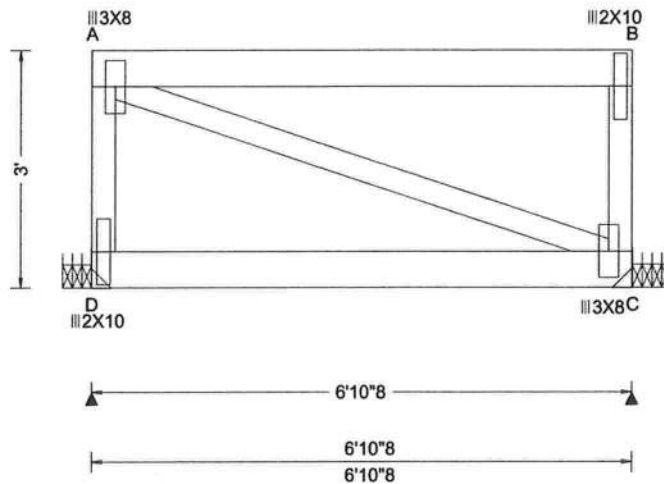
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316595 / FROM: CDM	FLAT Qty: 1	Ply: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: FT02	Cust: R215 JRef:1WYe2150005 T50 / DrwNo: 248.20.0945.02242 / YK 09/04/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 Std: ASCE 7-10 Speed: 130 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.002 B 999 240 VERT(CL): 0.004 B 999 180 HORZ(LL): -0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.876 Max BC CSI: 0.030 Max Web CSI: 0.303 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D 1809 /- /- /- /520 /- C 1809 /- /- /- /520 /- Wind reactions based on MWFRS D Brg Width = - Min Req = - C Brg Width = - Min Req = - Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - D 277 -870 B - C 277 -870

Lumber

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

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 3.25" 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 4 plf at 0.00 to 4 plf at 6.88
BC: From 20 plf at 0.00 to 20 plf at 6.88
TC: 1151 lb Conc. Load at 1.44, 3.44, 5.44

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind

Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 3'-0"-0.

WIND LOAD CASE MODIFIED!

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 fabricator's truss layout.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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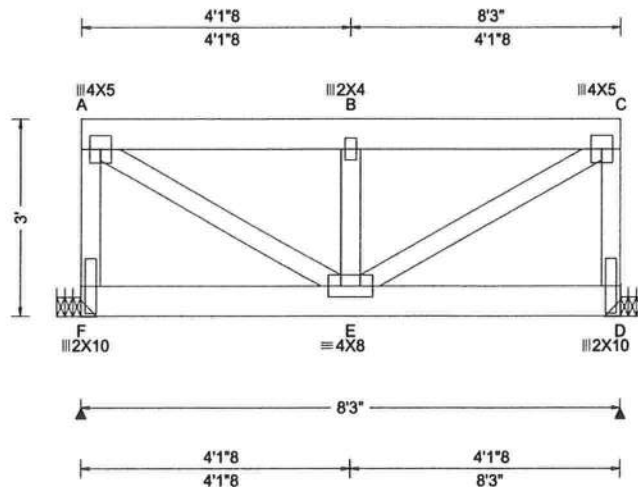
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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 316597 / FROM: CDM	FLAT Ply: 2 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: FT03	Cust: R 215 JRef: 1WYe2150005 T40 / DrwNo: 248.20.0945.03599 / YK 09/04/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)							
				Gravity			Non-Gravity				
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.017 B 999 240	F	1868	/-	/-	/-	/559	/-	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.036 B 999 180	D	1906	/-	/-	/-	/591	/-	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 A - -	Wind reactions based on MWFRS							
	EXP: C Kzt: NA		HORZ(TL): 0.003 A - -	F Brg Width = -		Min Req = -					
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	D Brg Width = -		Min Req = -					
NCBCLL: 0.00	TCDL: 5.0 psf		Max TC CSI: 0.210	Members not listed have forces less than 375#							
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.042	Maximum Top Chord Forces Per Ply (lbs)							
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.482	Chords		Tens.Comp.		Chords		Tens. Comp.	
Spacing: 24.0 "	C&C Dist a: 3.00 ft			A - B		310 - 1083		B - C		310 - 1083	
	Loc. from endwall: not in 9.00 ft										
	GCpi: 0.18										
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.09								

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

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 3.50" 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 4 plf at 0.00 to 4 plf at 6.06
TC: From 60 plf at 6.06 to 60 plf at 8.25
BC: From 20 plf at 0.00 to 20 plf at 8.25
TC: 1151 lb Conc. Load at 2.06, 4.06, 6.06

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind

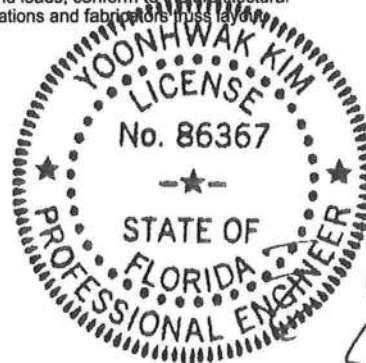
Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 3'-0".

WIND LOAD CASE MODIFIED!

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FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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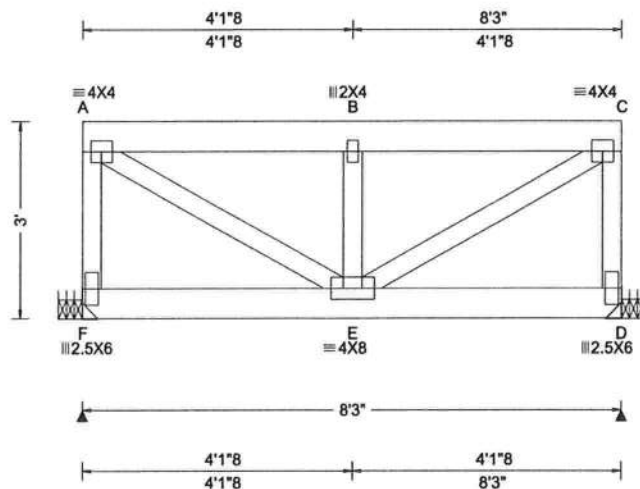
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316607 / FROM: CDM	FLAT Qty: 1	Ply: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: FT04	Cust: R 215 JRef: 1WYe2150005 T61 / DrwNo: 248.20.0945.03286 / YK 09/04/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)							
				Gravity			Non-Gravity				
				Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL		
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	F	1907	/-	/-	/-	/323	/-	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.017 B 999 240	D	1870	/-	/-	/-	/289	/-	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.036 B 999 180	Wind reactions based on MWFRS							
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 C - -	F	Brg Width = -		Min Req = -				
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.003 C - -	D	Brg Width = -		Min Req = -				
NCBCLL: 0.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Members not listed have forces less than 375#							
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.210	Maximum Top Chord Forces Per Ply (lbs)							
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.042	Chords		Tens.Comp.		Chords		Tens. Comp.	
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.482	A - B	178 - 1084		B - C		178 - 1084		
	C&C Dist a: 3.00 ft		VIEW Ver: 18.02.01B.0321.09								
	Loc. from endwall: not in 9.00 ft										
	GCpi: 0.18										
	Wind Duration: 1.60										

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

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 3.50" 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 60 plf at 0.00 to 60 plf at 2.19
TC: From 4 plf at 2.19 to 4 plf at 8.25
BC: From 20 plf at 0.00 to 20 plf at 8.25
TC: 1152 lb Conc. Load at 2.19, 4.19, 6.19

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind

Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 3'-0".

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - F	164 -907	E - C	1266 -208
A - E	1266 -208	C - D	147 -889
B - E	253 -1338		



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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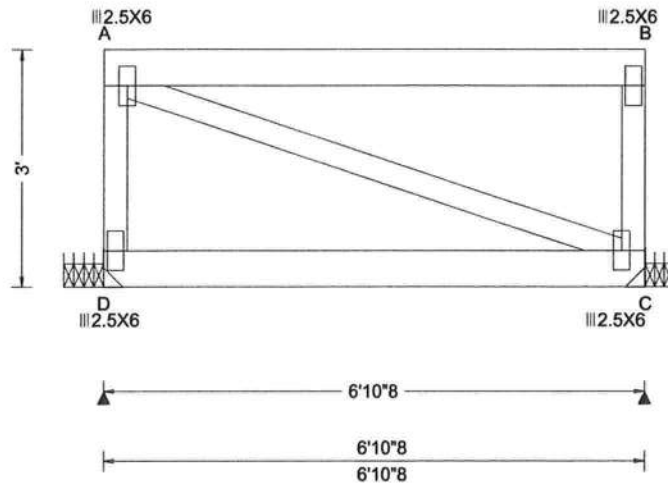
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316605 / FROM: CDM	FLAT Qty: 1	Ply: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: FT05	Cust: R 215 JRef: 1WYe2150005 T45 / DrwNo: 248.20.0945.04332 / YK 09/04/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	D	1811	/-	/-	/-	/284	/-
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 B 999 240	C	1811	/-	/-	/-	/284	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 B 999 180	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 B - -	D	Brg Width = -		Min Req = -			
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.001 B - -	C	Brg Width = -		Min Req = -			
NCBCLL: 0.00	Mean Height: 15.00 ft		Members not listed have forces less than 375#							
Soffit: 2.00	TCDL: 5.0 psf		Maximum Web Forces Per Ply (lbs)							
Load Duration: 1.25	BCDL: 5.0 psf		Webs	Tens.Comp.	Webs	Tens.	Comp.			
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		A - D	159	- 871	B - C	159	- 871		
	C&C Dist a: 3.00 ft									
	Loc. from endwall: not in 9.00 ft									
	GCpi: 0.18									
	Wind Duration: 1.60									
			VIEW Ver: 18.02.01B.0321.09							

Lumber

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

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 3.25" 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 4 plf at 0.00 to 4 plf at 6.88
BC: From 20 plf at 0.00 to 20 plf at 6.88
TC: 1152 lb Conc. Load at 1.44, 3.44, 5.44

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

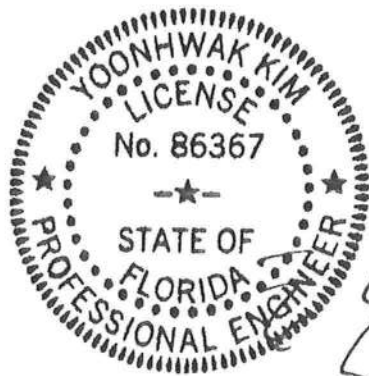
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind

Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 3'-0-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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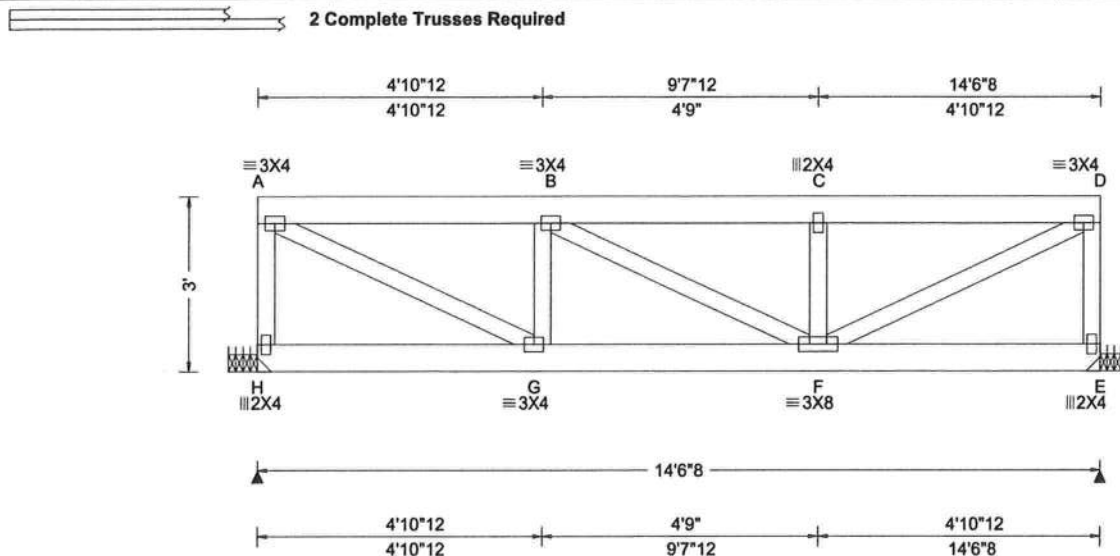
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316636 / FROM: CDM	FLAT Qty: 1	Ply: 2 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: FT06	Cust: R215 JRef: 1WYe2150005 T67 / DrwNo: 248.20.0945.02287 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	R-	/ Rh	/ Rw	/ U	/ RL
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	H	479	/-	/-	/-	/195	/-
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.006 C 999 240	E	442	/-	/-	/-	/168	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.013 C 999 180	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 A - -	H	Brg Width = -		Min Req = -			
	EXP: C Kzt: NA		HORZ(TL): 0.002 A - -	E	Brg Width = -		Min Req = -			
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	Members not listed have forces less than 375#						
NCBCLL: 0.00	TCDL: 5.0 psf		Max TC CSI: 0.017							
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.030							
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.134							
Spacing: 24.0 "	C&C Dist a: 3.00 ft		VIEW Ver: 18.02.01B.0321.09							
	Loc. from endwall: not in 9.00 ft									
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

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

Nailnote

Nail Schedule: 0.131"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 30 plf at 0.00 to 30 plf at 14.54
BC: From 10 plf at 0.00 to 10 plf at 14.54
BC: 48 lb Conc. Load at 0.48, 2.48, 4.48, 6.48, 8.48, 10.48, 12.48

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

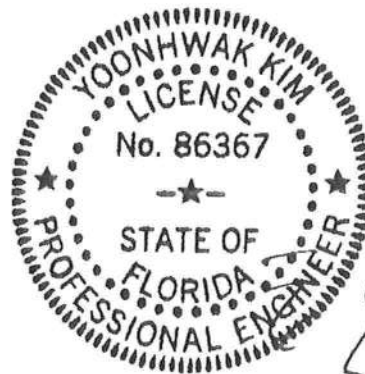
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind

Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 3-0-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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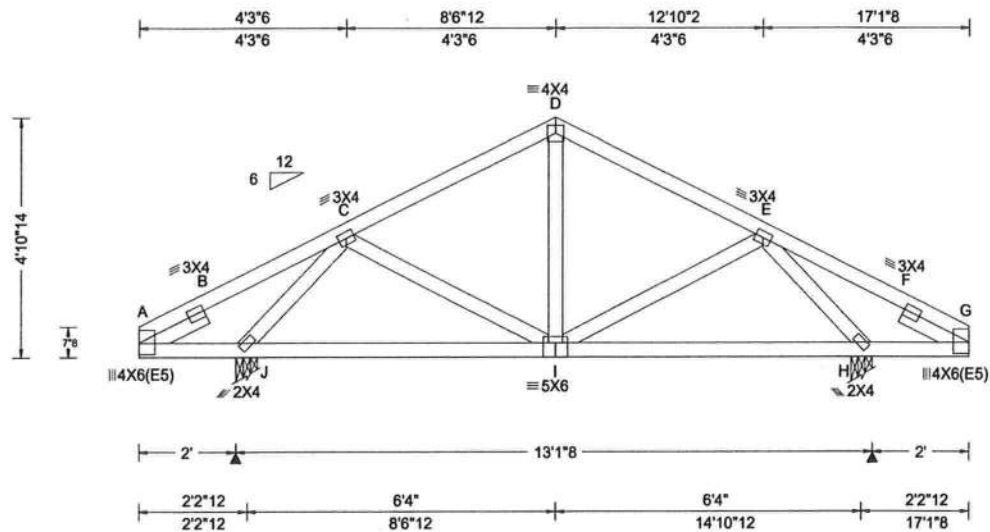
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316278 / FROM: CDM	COMN	Ply: 1 Qty: 3	Job Number: 20-4538 Grande Cypress ALF Truss Label: G01	Cust: R215 JRef: 1WYe2150005 T7 / DrwNo: 248.20.0945.02804 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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 7-10 Speed: 130 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.015 B 748 240 VERT(CL): 0.026 B 414 180 HORZ(LL): 0.007 B - - HORZ(TL): 0.015 B - - Creep Factor: 2.0 Max TC CSI: 0.326 Max BC CSI: 0.391 Max Web CSI: 0.191 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 713 /- /- /460 /15 /108 H 713 /- /- /460 /15 /- Wind reactions based on MWFRS J Brg Width = 5.3 Min Req = 1.5 H Brg Width = 5.2 Min Req = 1.5 Bearings J & 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. A - B 420 -400 D - E 160 -462 C - D 160 -462 F - G 420 -400

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Wind
Wind loads based on MWFRS with additional C&C member design.
Left and right cantilevers are exposed to wind

Additional Notes
The overall height of this truss excluding overhang is 4'-10-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

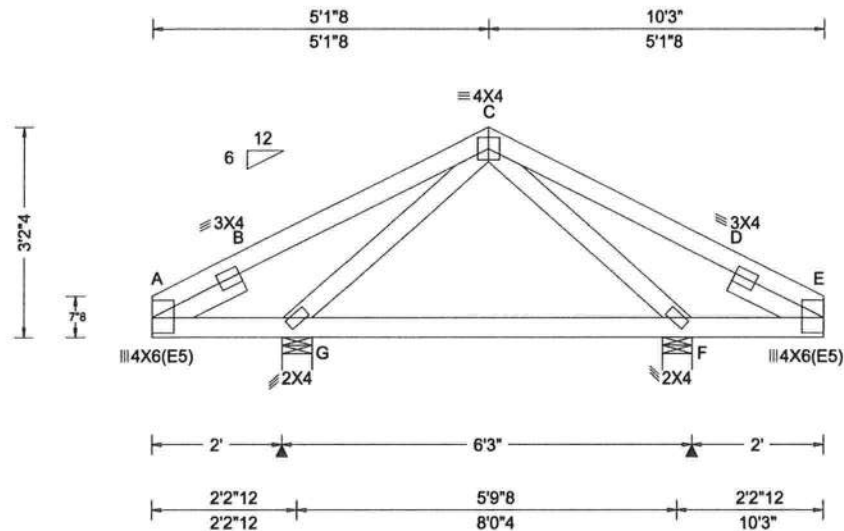
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
J - C	287 -737	E - H	287 -737

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

SEQN: 316275 / FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: H01	Cust: R 215 JRef: 1WYe2150005 T30 / DrwNo: 248.20.0945.03536 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. P1 in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-10 Speed: 130 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.040 B 272 240 VERT(CL): 0.082 B 132 180 HORZ(LL): 0.019 B - - HORZ(TL): 0.040 B - - Creep Factor: 2.0 Max TC CSI: 0.432 Max BC CSI: 0.246 Max Web CSI: 0.263 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL G 439 /- /- /306 /28 /64 F 439 /- /- /306 /28 /- Wind reactions based on MWFRS G Brg Width = 5.5 Min Req = 1.5 F Brg Width = 5.5 Min Req = 1.5 Bearings G & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 1089 - 1046 D - E 1089 - 1046

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Wind

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

Left and right cantilevers are exposed to wind

Additional Notes

The overall height of this truss excluding overhang is 3-2-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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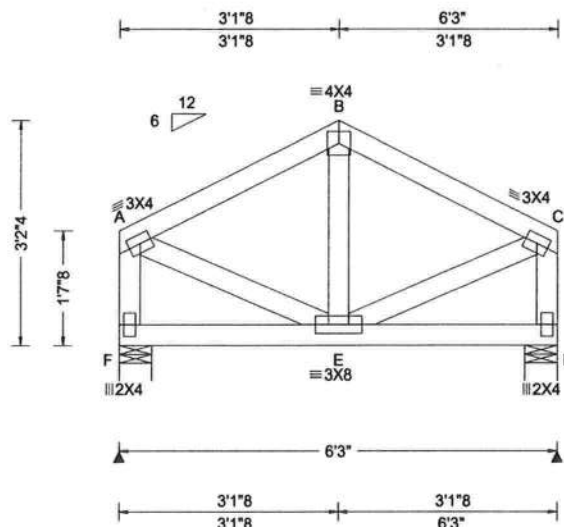
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316273 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: H02	Cust: R215 JRef: 1WYe2150005 T34 / DrwNo: 248.20.0945.03520 / YK 09/04/2020
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)									
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg:	NA	Ct:	NA	CAT:	NA	Gravity			Non-Gravity				
TCDL:	10.00	Speed:	130 mph	Pf:	NA			Ce:	NA	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
BCLL:	0.00	Enclosure:	Closed	Lu:	NA	Cs:	NA			VERT(LL):	0.005	E	999	240			
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA						VERT(CL):	0.009	E	999	180		
		EXP:	C	Kzt:	NA						HORZ(LL):	0.000	A	-	-		
Des Ld:	40.00	Mean Height:	15.00 ft							HORZ(TL):	0.000	A	-	-			
NCBCLL:	10.00	TCDL:	5.0 psf	Building Code:							Creep Factor:	2.0					
Soffit:	2.00	BCDL:	5.0 psf	FBC 2017 RES							Max TC CSI:	0.132					
Load Duration:	1.25	MWFRS Parallel Dist:	0 to h/2	TPI Std:	2014						Max BC CSI:	0.486					
Spacing:	24.0 "	C&C Dist a:	3.00 ft	Rep Fac:	Varies by Ld Case						Max Web CSI:	0.197					
		Loc. from endwall:	not in 9.00 ft	FT/RT:	20(0)/10(0)												
		GCpi:	0.18	Plate Type(s):													
		Wind Duration:	1.60	WAVE							VIEW Ver:	18.02.01B.0321.09					

Lumber

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

Special Loads

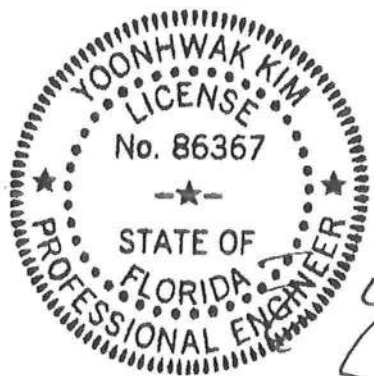
—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 6.25
BC: From 10 plf at 0.00 to 10 plf at 6.25
BC: 300 lb Conc. Load at 1.31, 3.12, 4.94

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

The overall height of this truss excluding overhang is 3-2-4.

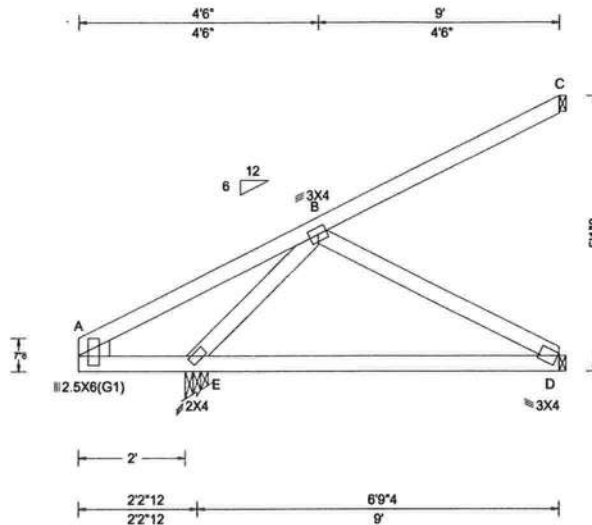


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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

SEQN: 316249 / FROM: CDM	EJAC Ply: 1 Qty: 51	Job Number: 20-4538 Grande Cypress ALF Truss Label: J01	Cust: R 215 JRef: 1WYe2150005 T17 / DrwNo: 248.20.0945.03677 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.003 E 999 240	E	489	/-	/-	/362	/17	/128
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.006 E 999 180	D	149	/-	/-	/116	/53	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 B - -	C	118	/-	/-	/57	/42	/-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.002 D - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	E	Brg Width = 5.3		Min Req = 1.5			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.392	D	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.432	C	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.114	Bearing E is a rigid surface.						
	C&C Dist a: 3.00 ft			Members not listed have forces less than 375#						
	Loc. from endwall: not in 9.00 ft			Maximum Web Forces Per Ply (lbs)						
	GCpi: 0.18			Webs	Tens.Comp.					
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.09							

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;

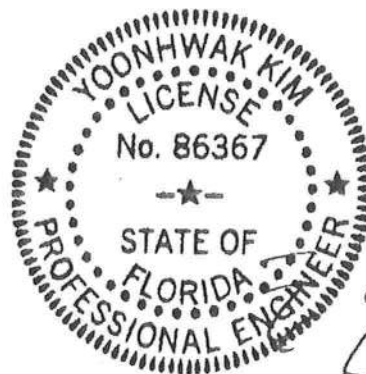
Wind

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

Left cantilever is exposed to wind

Additional Notes

The overall height of this truss excluding overhang is 5'-1.8."



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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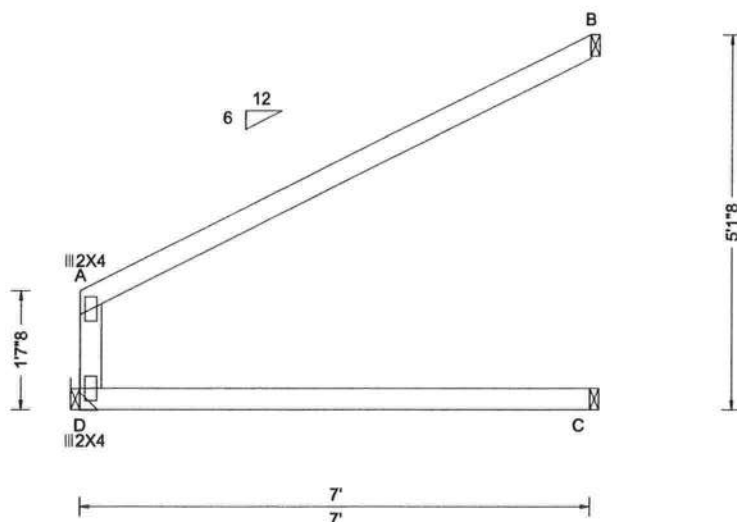
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316270 / FROM: CDM	EJAC Qty: 3	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: J01A	Cust: R 215 JRef: 1WYe2150005 T8 / DrwNo: 248.20.0945.02710 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-10 Speed: 130 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 A 999 240 VERT(CL): 0.001 A 999 180 HORZ(LL): -0.000 A - - HORZ(TL): 0.000 A - - Creep Factor: 2.0 Max TC CSI: 0.981 Max BC CSI: 0.607 Max Web CSI: 0.054 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D 300 /- /- /199 /32 /- C 140 /- /- /94 /- /- B 218 /- /- /95 /11 /66 Wind reactions based on MWFRS D 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;
Webs: 2x4 SP #3;

Hangers / Ties

(J) Hanger Support Required, by others

Loading

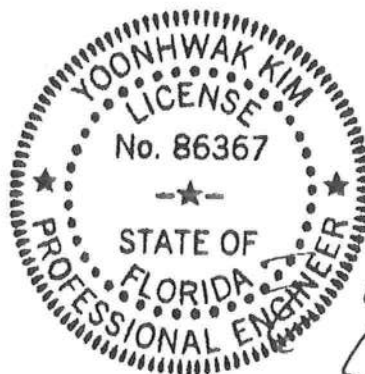
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 5'-1-8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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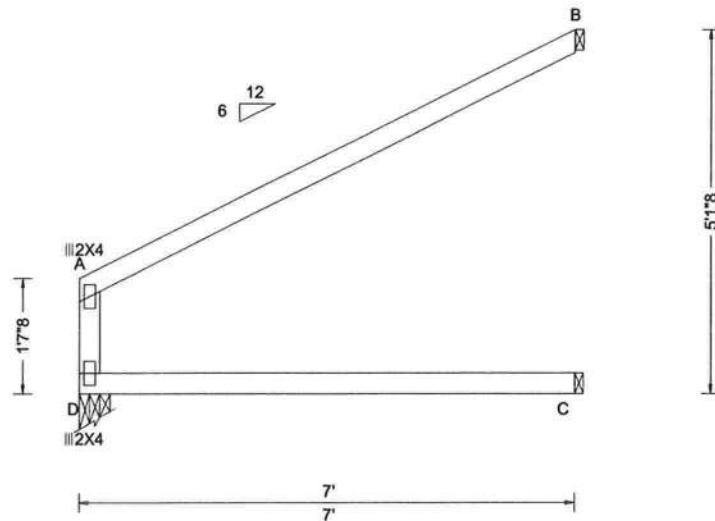
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316268 / FROM: CDM	EJAC Qty: 8	Ply: 1 Qty: 8	Job Number: 20-4538 Grande Cypress ALF Truss Label: J01B	Cust: R 215 JRef: 1WYe2150005 T47 / DrwNo: 248.20.0945.04379 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 A 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 A 999 180	D	300	/-	/-	/199	/73	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 A - -	C	140	/-	/-	/94	/-	/-
	EXP: C Kzt: NA		HORZ(TL): 0.001 A - -	B	218	/-	/-	/95	/37	/99
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS						
NCBCLL: 10.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.981	D	Brg Width = 5.3			Min Req = 1.5		
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.606	C	Brg Width = 1.5			Min Req = -		
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.054	B	Brg Width = 1.5			Min Req = -		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing D is a rigid surface.						
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Members not listed have forces less than 375#						
	GCPl: 0.18	WAVE	VIEW Ver: 18.02.01B.0321.09							
	Wind Duration: 1.60									

Wind reactions based on MWFRS
D Brg Width = 5.3 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 Min Req = -
Bearing D 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

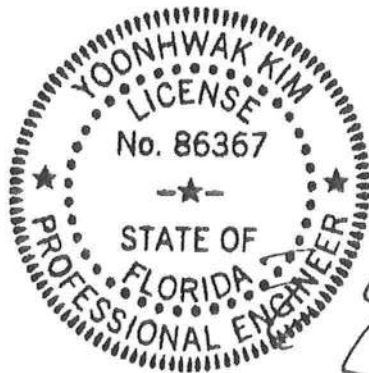
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 5'-1"-8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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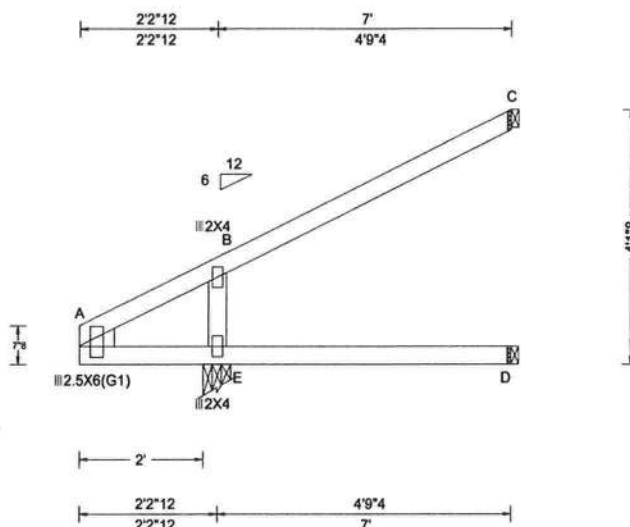
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316711 / FROM: CDM	JACK Qty: 24	Ply: 1 Qty: 24	Job Number: 20-4538 Grande Cypress ALF Truss Label: J02	Cust: R 215 JRef: 1WYe2150005 T29 / DrwNo: 248.20.0945.02944 / YK 09/04/2020
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL:	10.00	Speed:	130 mph	Pf: NA		Ce: NA	VERT(LL): 0.102 E 279 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL): 0.256 E 111 180	E	588	/-	/-	/332	/104	/99
BCDL:	10.00	Risk Category:	II	Snow Duration: NA			HORZ(LL): -0.065 C - -	D	69	/-6	/-	/52	/12	/-
		EXP: C	Kzt: NA				HORZ(TL): 0.163 C - -	C	98	/-	/-	/51	/62	/-
Des Ld:	40.00	Mean Height:	15.00 ft				Creep Factor: 2.0	Wind reactions based on MWFRS						
NCBCLL:	10.00	TCDL:	5.0 psf	Building Code:			Max TC CSI: 0.740	E	Brg Width = 5.3		Min Req = 1.5			
Soffit:	2.00	BCDL:	5.0 psf	FBC 2017 RES			Max BC CSI: 0.573	D	Brg Width = 1.5		Min Req = -			
Load Duration:	1.25	MWFRS Parallel Dist:	0 to h/2	TPI Std: 2014			Max Web CSI: 0.090	C	Brg Width = 1.5		Min Req = -			
Spacing:	24.0 "	C&C Dist a:	3.00 ft	Rep Fac: Varies by Ld Case				Bearing E is a rigid surface.						
		Loc. from endwall:	not in 4.50 ft	FT/RT:20(0)/10(0)				Members not listed have forces less than 375#						
		GCpi:	0.18	Plate Type(s):				Maximum Web Forces Per Ply (lbs)						
		Wind Duration:	1.60	WAVE			VIEW Ver: 18.02.01B.0321.09	Webs	Tens.Comp.					

B - E 202 -396

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 7.00
BC: From 20 plf at 0.00 to 20 plf at 7.00
TC: 100 lb Conc. Load at 0.00

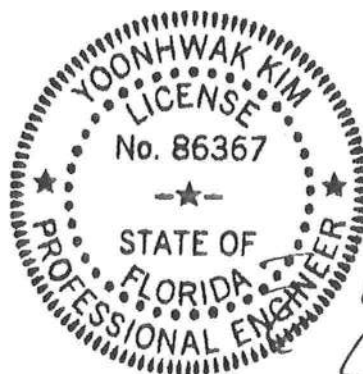
Wind

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

Left cantilever is exposed to wind

Additional Notes

The overall height of this truss excluding overhang is 4'-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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

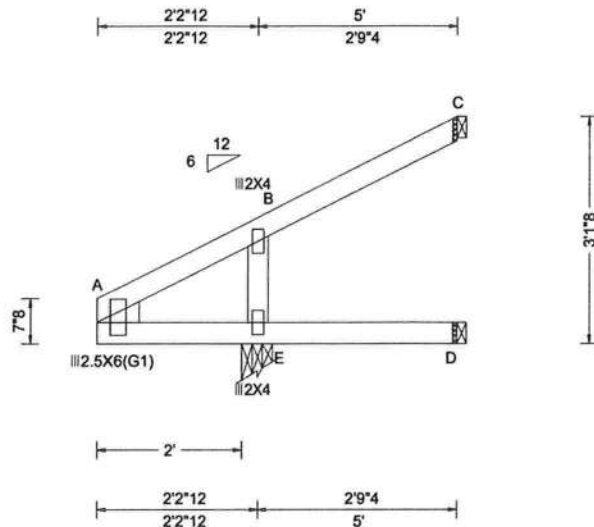
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

SEQN: 316258 / FROM: CDM	JACK Qty: 24	Ply: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: J03	Cust: R 215 JRef: 1WYe2150005 T13 / DrwNo: 248.20.0945.02850 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.041 E 694 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.093 E 306 180	E	392	/-	/-	/311	/15	/71
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.026 C - -	D	15	/-18	/-	/24	/20	/-
	EXP: C Kzt: NA		HORZ(TL): 0.059 C - -	C	56	/-15	/-	/6	/41	/-
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	Wind reactions based on MWFRS						
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.274	E	Brg Width = 5.3		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.234	D	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.060	C	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	C&C Dist a: 3.00 ft			Bearing E is a rigid surface.						
	Loc. from endwall: not in 4.50 ft			Members not listed have forces less than 375#						
	GCpi: 0.18									
	Wind Duration: 1.60									
			VIEW Ver: 18.02.01B.0321.09							

Lumber

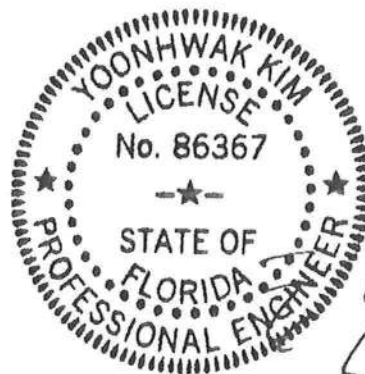
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Left cantilever is exposed to wind

Additional Notes

The overall height of this truss excluding overhang is 3-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

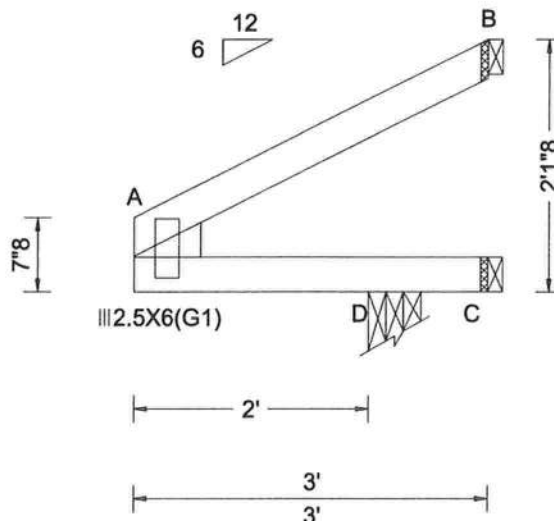
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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 316260 / FROM: CDM	JACK Ply: 1 Qty: 24	Job Number: 20-4538 Grande Cypress ALF Truss Label: J04	Cust: R 215 JRef: 1WYe2150005 T101 DrwNo: 248.20.0945.03161 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.062 C 427 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.124 C 214 180	D 474	/-	/-	/	/401	/42	/42
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.039 B - -	C -	/-290	/-	/	/28	/230	/-
	EXP: C Kzt: NA		HORZ(TL): 0.080 B - -	B 63	/-	/-	/	/28	/34	/-
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Wind reactions based on MWFRS						
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.205	D	Brg Width = 5.3		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.444	C	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.000	B	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		Bearing D is a rigid surface.						
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#						
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.09							

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Stub Wedge: 2x4 SP #3;

Wind

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

Left cantilever is exposed to wind

Additional Notes

Negative reaction(s) of -290# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

The overall height of this truss excluding overhang is 2'-1-8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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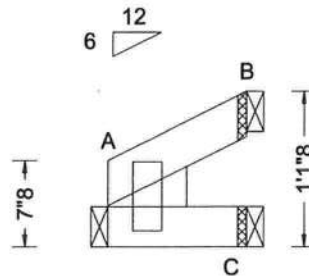
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316264 / FROM: CDM	JACK Qty: 24	Ply: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: J05	Cust: R215 JRef: 1WYe2150005 T103 DrwNo: 248.20.0945.03676 / YK 09/04/2020
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III 2.5X6(G1)

1'

1'8" 1' 1'8"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	A	41	/-	/-	/26	/-	/13
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	C	20	/-	/-	/14	/0	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B - -	B	29	/-	/-	/15	/13	/-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.000 C - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	A Brg Width = 1.5						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.020	C Brg Width = 1.5						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.011	B Brg Width = 1.5						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.000	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft									
	Loc. from endwall: Any									
	GCpi: 0.18									
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.09							

Lumber

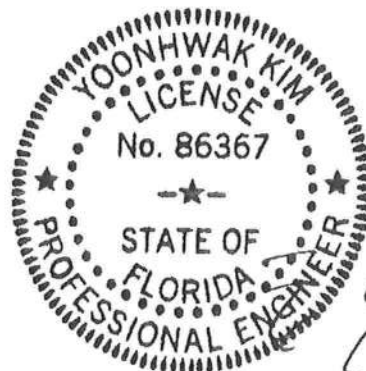
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Stub Wedge: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 11'-8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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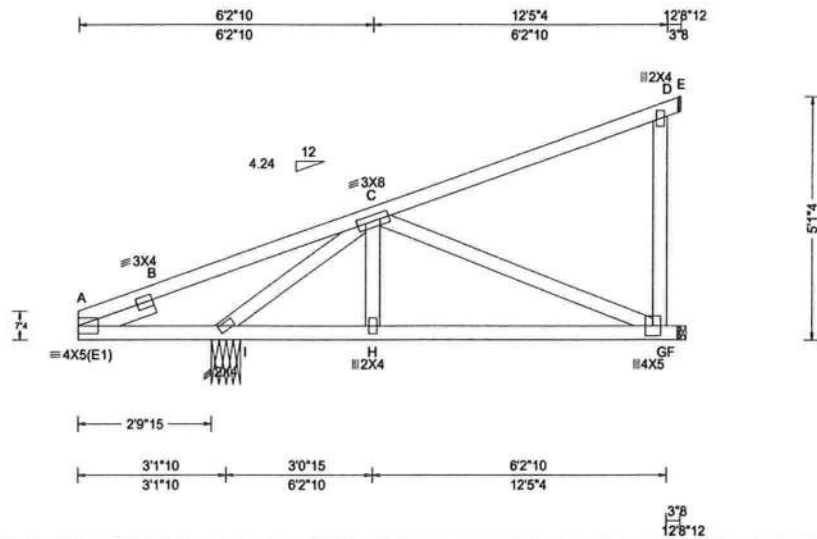
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316713 / FROM: CDM	HIP_	Ply: 1 Qty: 12	Job Number: 20-4538 Grande Cypress ALF Truss Label: J06HJ	Cust: R 215 JRef: 1WYe2150005 T116 DrwNo: 248.20.0945.03848 / YK 09/04/2020
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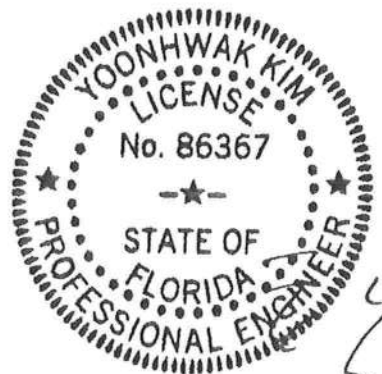
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg.Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II 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 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.028 B 671 240 VERT(CL): 0.047 B 406 180 HORZ(LL): 0.009 B - - HORZ(TL): 0.015 B - - Creep Factor: 2.0 Max TC CSI: 0.802 Max BC CSI: 0.705 Max Web CSI: 0.269 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL I 517 /- /- /143 /603 /- F 262 /- /- /- /198 /- Wind reactions based on MWFRS I Brg Width = 7.4 Min Req = 1.5 F Brg Width = 1.5 Min Req = - Bearing I 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 -199 B - C 533 -133

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.649'

Special Loads
—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 2 plf at 0.00 to 2 plf at 12.73
BC: From 2 plf at 0.00 to 2 plf at 12.73
TC: 100 lb Conc. Load at 0.00
TC: 59 lb Conc. Load at 1.48
TC: 126 lb Conc. Load at 4.31
TC: 112 lb Conc. Load at 7.13
TC: 197 lb Conc. Load at 9.96
BC: 39 lb Conc. Load at 1.48
BC: -295 lb Conc. Load at 4.31
BC: 31 lb Conc. Load at 7.13
BC: 139 lb Conc. Load at 9.96

Wind
Wind loads and reactions based on MWFRS.
Left cantilever is exposed to wind

Additional Notes
The overall height of this truss excluding overhang is 5'-1-4".
WIND LOAD CASE MODIFIED!

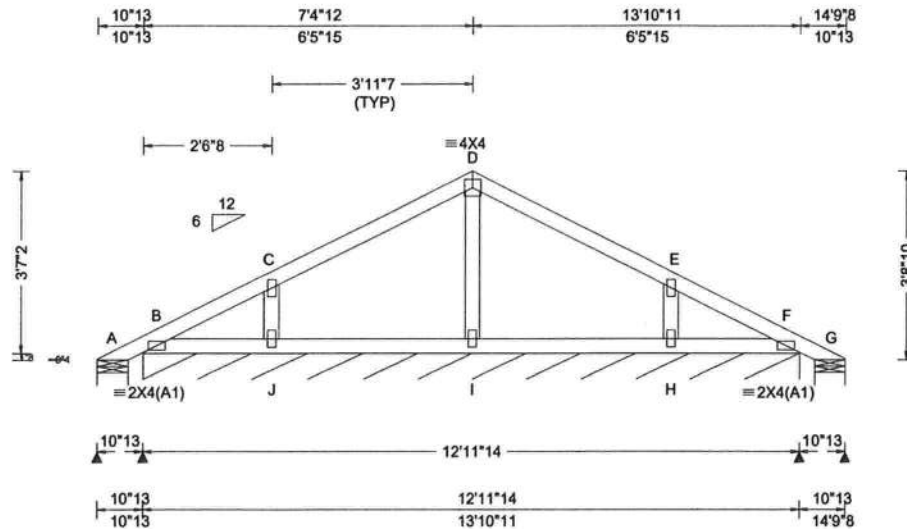


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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

SEQN: 316707 / FROM: CDM	SPEC Qty: 48	Ply: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: PB01	Cust: R 215 JRef: 1WYe2150005 T83 / DrwNo: 248.20.0945.02554 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.27 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 17.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 D 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): 0.001 E - - HORZ(TL): 0.001 E - - Creep Factor: 2.0 Max TC CSI: 0.222 Max BC CSI: 0.119 Max Web CSI: 0.056 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 21 /- /- /52 /36 /103 B* 114 /- /- /43 /- /- G 21 /- /- /15 /0 /- Wind reactions based on MWFRS A Brg Width = 7.3 Min Req = 1.5 B Brg Width = 155 Min Req = - G Brg Width = 7.3 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

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.

Additional Notes

Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 3-8-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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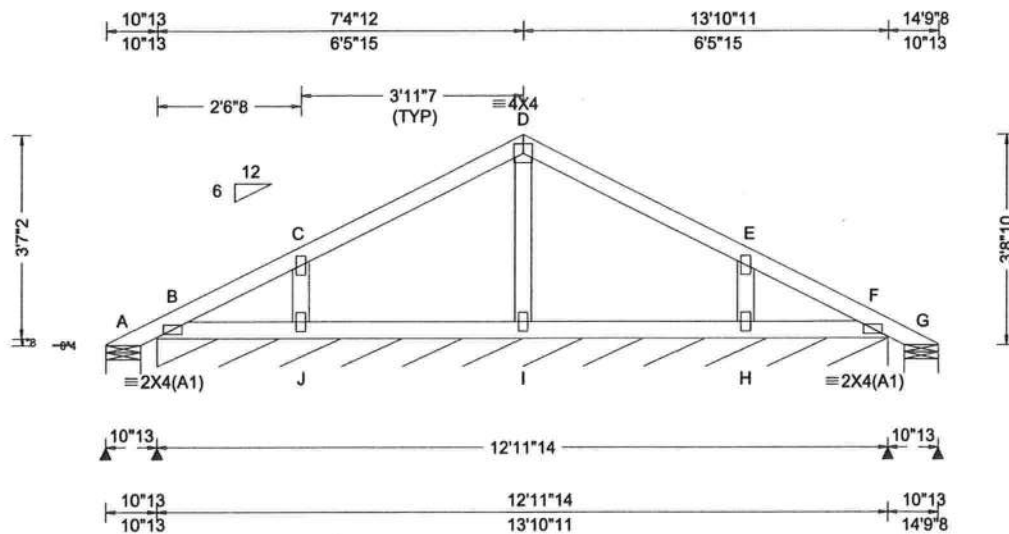
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 332826 FROM: CDM	COMM Ply: 1 Qty: 18	Job Number: 20-4538 Grande Cypress ALF Truss Label: PB02	Cust: R215 JRef: 1WYe2150005 T11 DrwNo: 248.20.0954.52253 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs), or *=PLF
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 Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 1.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.000 D 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): 0.000 E - - HORZ(TL): 0.001 E - - Creep Factor: 2.0 Max TC CSI: 0.142 Max BC CSI: 0.055 Max Web CSI: 0.033 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 16 /- /- /33 /24 /60 B* 46 /- /- /32 /15 /- G 16 /- /- /12 /5 /- Wind reactions based on MWFRS A Brg Width = 7.3 Min Req = 1.5 B Brg Width = 155 Min Req = - G Brg Width = 7.3 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

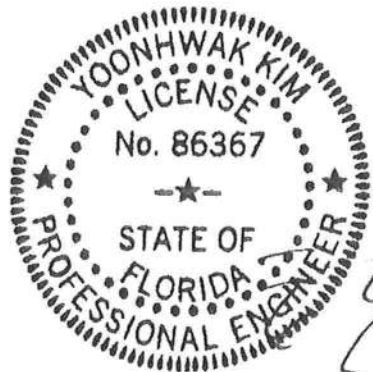
All plates are 2X4 except as noted.

Wind

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

Additional Notes

Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 3-8-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

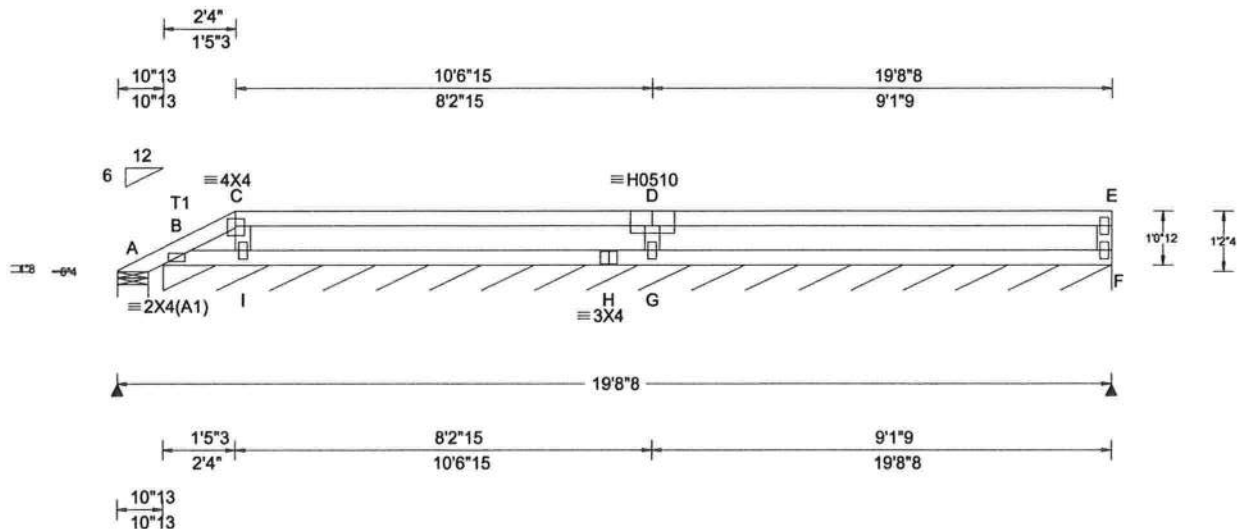
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 316400 / FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: PB03	Cust: R 215 JRef: 1WYe2150005 T58 / DrwNo: 248.20.0945.03022 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. P1 in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.75 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 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): -0.001 I 999 240 VERT(CL): -0.001 I 999 180 HORZ(LL): 0.002 F - - HORZ(TL): 0.004 F - - Creep Factor: 2.0 Max TC CSI: 0.450 Max BC CSI: 0.806 Max Web CSI: 0.256 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL A 35 /- /- /24 /- /20 B* 83 /- /- /36 /9 /- Non-Gravity Wind reactions based on MWFRS A Brg Width = 7.3 Min Req = 1.5 B Brg Width = 225 Min Req = - Bearings A & B are a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. D - G 267 -663

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

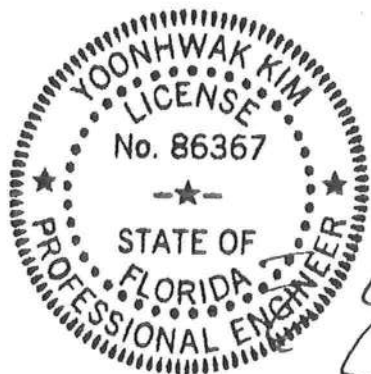
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

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

Additional Notes

Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is
1-2-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

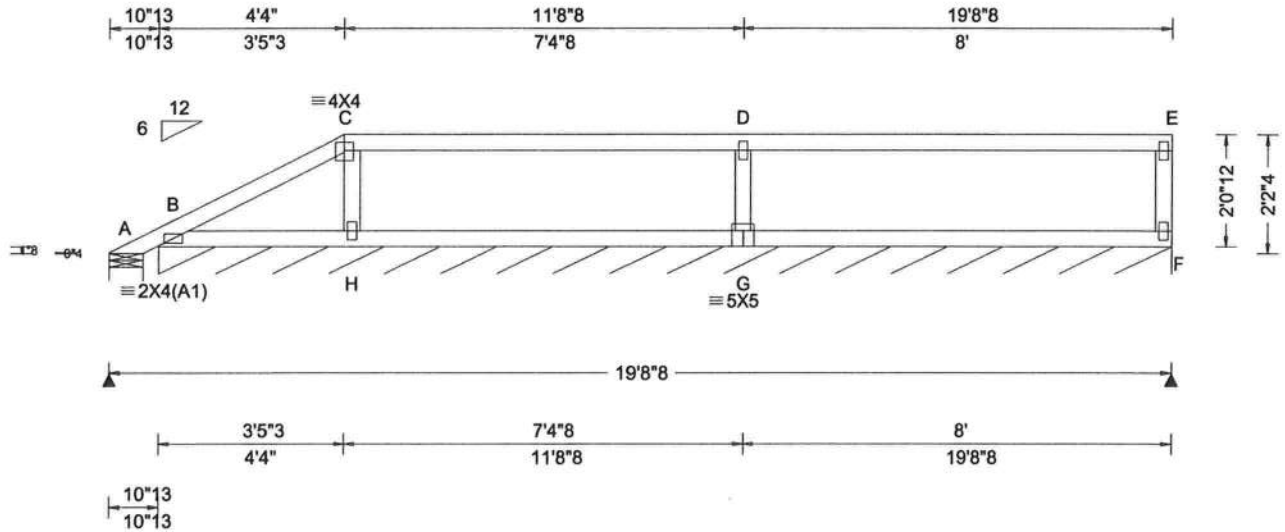
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 316405 / FROM: CDM	HIPM Qty: 2	Ply: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: PB04	Cust: R215 JRef: 1WYe2150005 T24 / DrwNo: 248.20.0945.04175 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.25 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 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 H 999 240 VERT(CL): 0.003 H 999 180 HORZ(LL): 0.001 H - - HORZ(TL): 0.001 H - - Creep Factor: 2.0 Max TC CSI: 0.882 Max BC CSI: 0.619 Max Web CSI: 0.231 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 0 /-26 /- /29 /19 /39 B* 86 /- /- /40 /9 /- Wind reactions based on MWFRS A Brg Width = 7.3 Min Req = 1.5 B Brg Width = 225 Min Req = - Bearings A & B are a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. D - G 241 -587

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

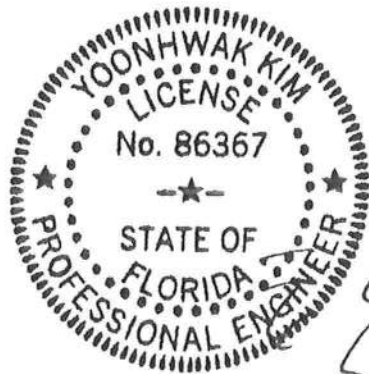
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is
2-2-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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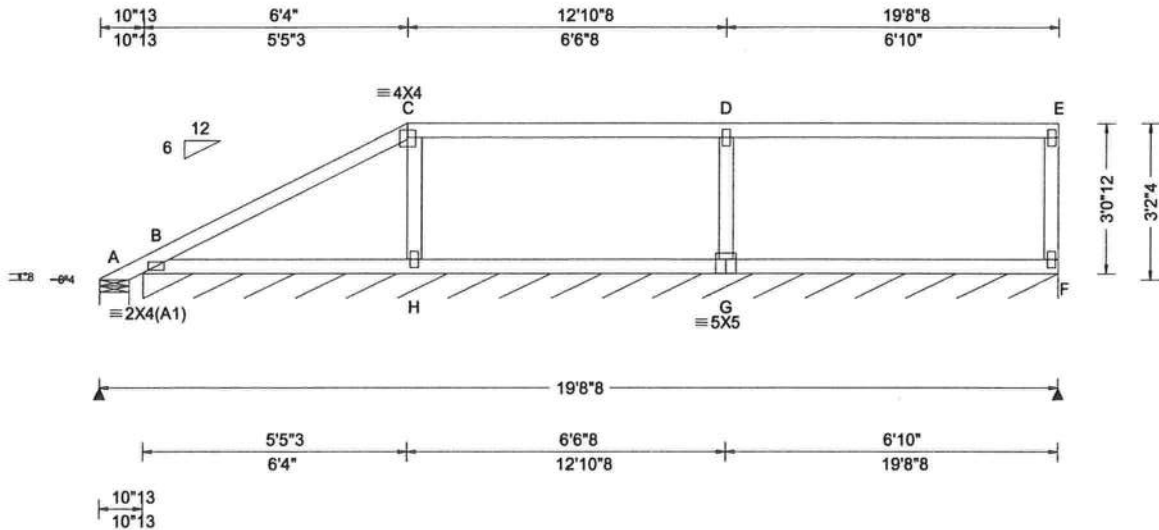
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 316408 / FROM: CDM	HIPM Ply: 1 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: PB05	Cust: R 215 JRef: 1WYe2150005 T70 / DrwNo: 248.20.0945.03241 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg.Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.75 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 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 H 999 240 VERT(CL): 0.010 H 999 180 HORZ(LL): 0.002 H - - HORZ(TL): 0.005 H - - Creep Factor: 2.0 Max TC CSI: 0.651 Max BC CSI: 0.412 Max Web CSI: 0.158 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-180 /- /50 /116 /59 B* 95 /- /- /47 /9 /- Wind reactions based on MWFRS A Brg Width = 7.3 Min Req = 1.5 B Brg Width = 225 Min Req = - Bearings A & B are a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. D - G 215 -512

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

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

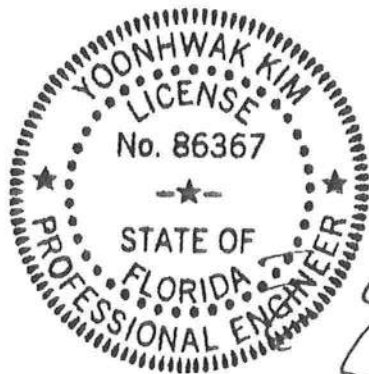
Right end vertical not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -180# MAX. from a non-wind
load case requires uplift connection. See Maximum
Reactions.

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is
3-2-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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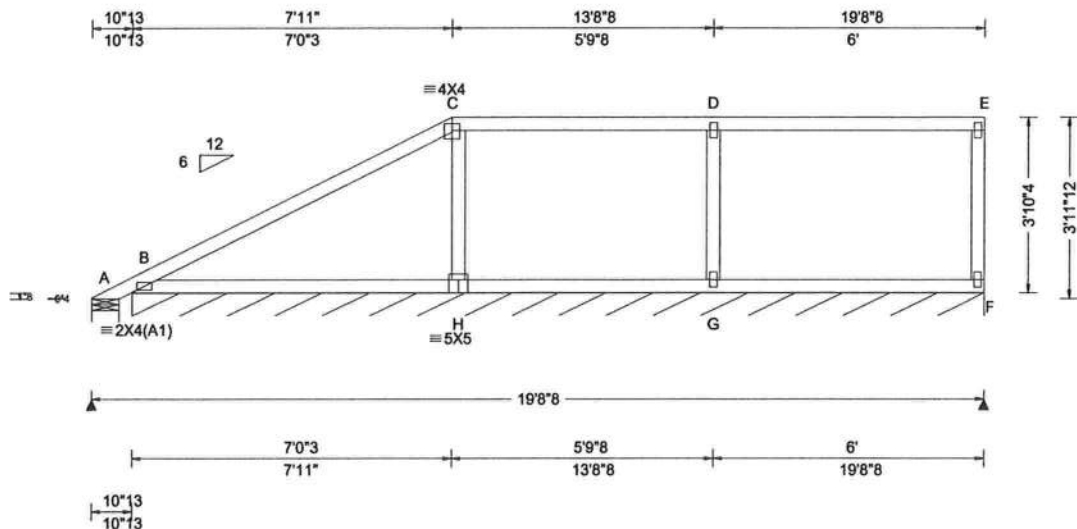
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316413 / FROM: CDM	HIPM Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: PB06	Cust: R 215 JRef: 1WYe2150005 T69 / DrwNo: 248.20.0945.02568 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.007 H 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.019 H 999 180	A	-	/-369	/-	/72	/235	/75
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 H - -	B*	105	/-	/-	/54	/9	/-
	EXP: C Kzt: NA		HORZ(TL): 0.010 H - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 17.15 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	A	Brg Width = 7.3			Min Req = 1.5		
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.643	B	Brg Width = 225			Min Req = -		
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.346	Bearings A & B are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: > 2h		Max Web CSI: 0.130	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.00 ft			Maximum Web Forces Per Ply (lbs)						
	Loc. from endwall: not in 13.00 ft			Webs	Tens.Comp.					
	GCpi: 0.18		VIEW Ver: 18.02.01B.0321.09	D - G	194		-451			
	Wind Duration: 1.60									

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -369# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 3-11-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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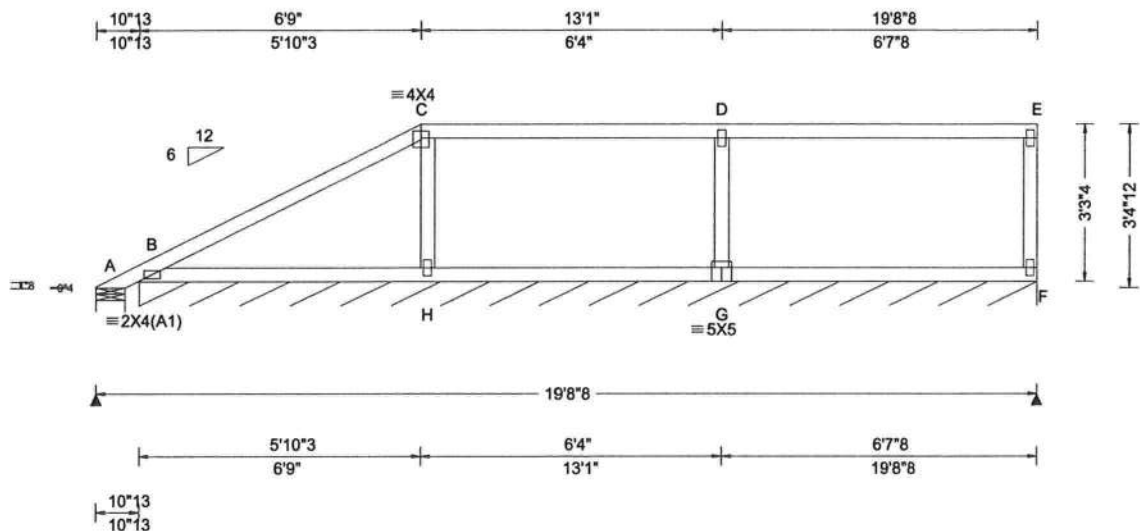
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316416 / FROM: CDM	HIPM Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: PB07	Cust: R 215 JRef: 1WYe2150005 T15 / DrwNo: 248.20.0945.03738 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.005 H 999 240	A	-	/-224	/-	/55	/144	/63
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.012 H 999 180	B*	97	/-	/-	/48	/9	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 H - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.006 H - -	A Brg Width = 7.3			Min Req = 1.5			
Des Ld: 40.00	Mean Height: 16.85 ft		Creep Factor: 2.0	B Brg Width = 225			Min Req = -			
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.611	Bearings A & B are a rigid surface.						
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.384	Members not listed have forces less than 375#						
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max Web CSI: 0.147	Maximum Web Forces Per Ply (lbs)						
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		Webs Tens.Comp.						
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		D - G	210	-496				
	GCpi: 0.18	Plate Type(s):	VIEW Ver: 18.02.01B.0321.09							
	Wind Duration: 1.60	WAVE								

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -224# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 3'-4"-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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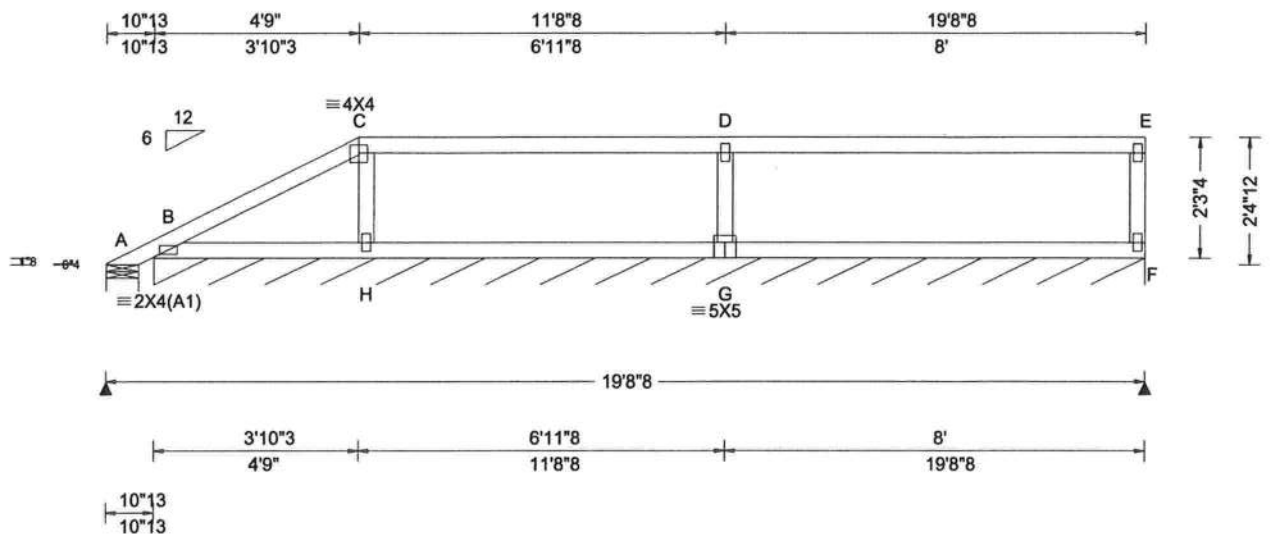
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316419 / FROM: CDM	HIPM Qty: 2	Ply: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: PB08	Cust: R 215 JRef: 1WYe2150005 T32 / DrwNo: 248.20.0945.03535 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 H 999 240	A	-	/-52	/-	/32	/37	/43
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 H 999 180	B*	88	/-	/-	/41	/9	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 H - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.002 H - -	A	Brg Width = 7.3		Min Req = 1.5			
NCBCLL: 10.00	Mean Height: 16.35 ft		Creep Factor: 2.0	B	Brg Width = 225		Min Req = -			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.853	Bearings A & B are a rigid surface.						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.596	Members not listed have forces less than 375#						
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h		Max Web CSI: 0.245	Maximum Web Forces Per Ply (lbs)						
	C&C Dist a: 3.00 ft			Webs	Tens.Comp.					
	Loc. from endwall: not in 13.00 ft									
	GCpi: 0.18									
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.09	D - G	236		-572			

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

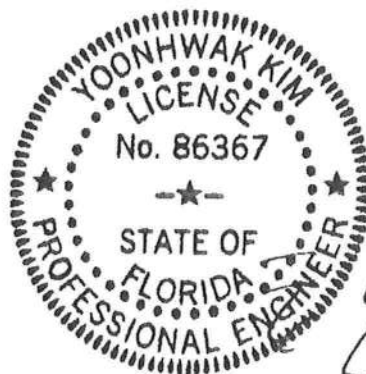
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 2-4-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

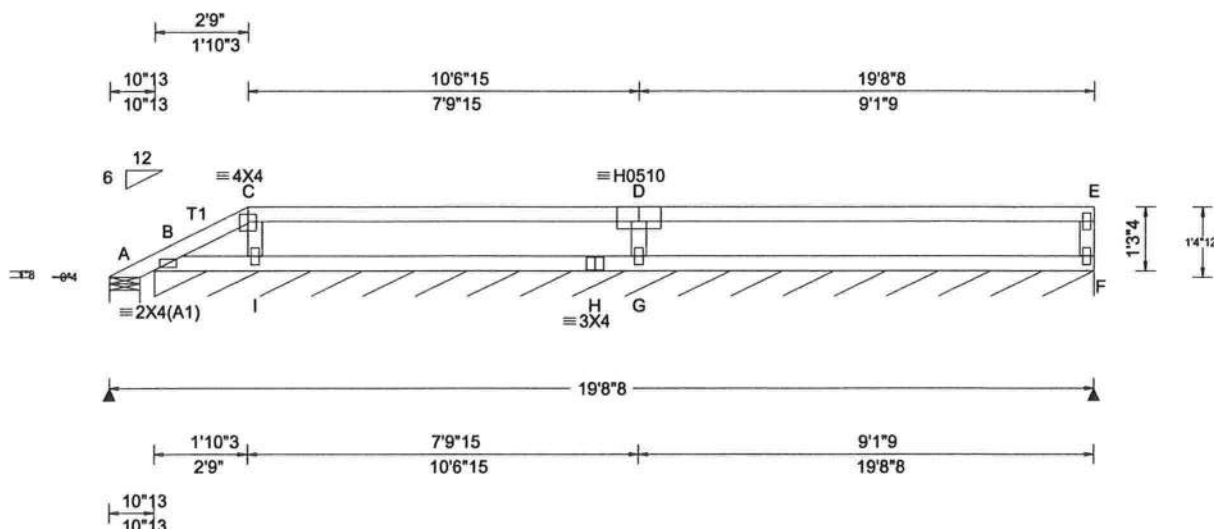
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 316422 / FROM: CDM	HIPM Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: PB09	Cust: R 215 JRef: 1WYe2150005 T18 / DrwNo: 248.20.0945.02943 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.85 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 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): -0.000 I 999 240 VERT(CL): -0.001 I 999 180 HORZ(LL): 0.001 F - - HORZ(TL): 0.003 F - - Creep Factor: 2.0 Max TC CSI: 0.438 Max BC CSI: 0.800 Max Web CSI: 0.268 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 34 /- /- /26 /- /24 B* 83 /- /- /37 /9 /- Wind reactions based on MWFRS A Brg Width = 7.3 Min Req = 1.5 B Brg Width = 225 Min Req = - Bearings A & B are a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. D - G 262 -648

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 1'-4-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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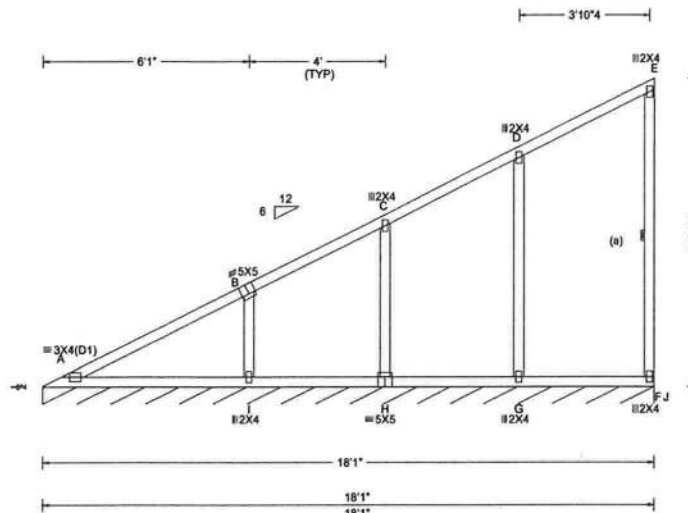
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316669 / FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: V01	Cust: R 215 JRef: 1WYe2150005 T77 / DrwNo: 248.20.0945.03301 / YK 09/04/2020
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Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
TCLL:	20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.028 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.056 999 180	J*	82	/-	/-	/54	/5	/9
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 - -	Wind reactions based on MWFRS						
Des Ld:	40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.015 - -	J	Brg Width = 216		Min Req = -			
NCBCLL:	10.00	Mean Height: 16.41 ft		Creep Factor: 2.0	Bearing A is a rigid surface.						
Soffit:	2.00	TCDL: 5.0 psf		Max TC CSI: 0.386	Members not listed have forces less than 375#						
Load Duration:	1.25	BCDL: 5.0 psf		Max BC CSI: 0.308							
Spacing:	24.0 "	MWFRS Parallel Dist: > 2h		Max Web CSI: 0.260							
		C&C Dist a: 3.00 ft		VIEW Ver: 18.02.01B.0321.09							
		Loc. from endwall: not in 9.00 ft									
		GCpi: 0.18									
		Wind Duration: 1.60									

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

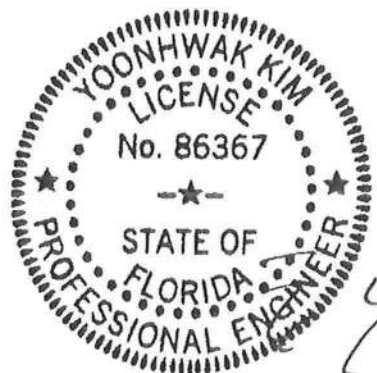
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 9'-0".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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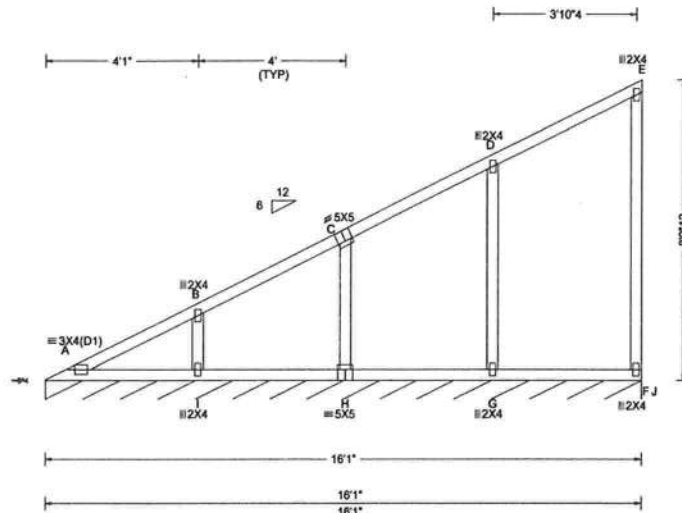
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316672 / FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: V02	Cust: R 215 JRef: 1WY02150005 T78 / DrwNo: 248.20.0945.03411 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.91 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.007 I 999 240 VERT(CL): 0.014 I 999 180 HORZ(LL): -0.003 E - - HORZ(TL): 0.004 E - - Creep Factor: 2.0 Max TC CSI: 0.249 Max BC CSI: 0.167 Max Web CSI: 0.188 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity J* 82 /- /- /54 /5 /9 Wind reactions based on MWFRS J Brg Width = 192 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

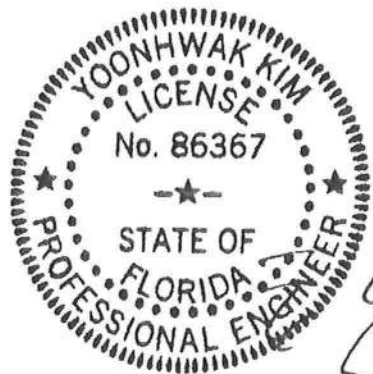
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 8'-0"-12".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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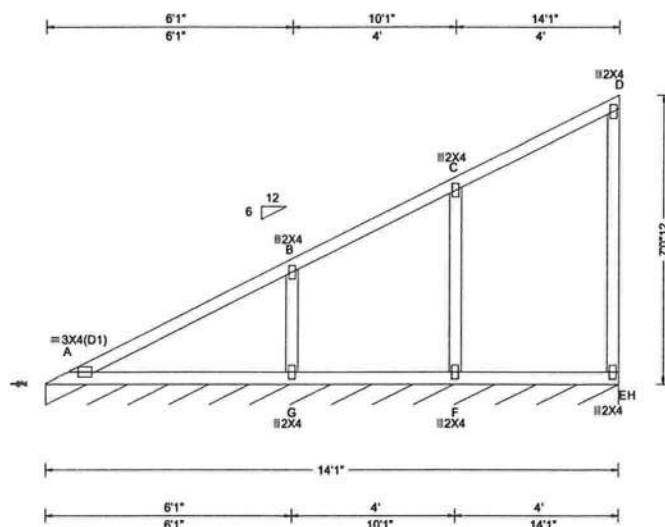
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 316674 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V03	Cust: R 215 JRef: 1WYe2150005 T85 / DrwNo: 248.20.0945.03801 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.41 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.028 G 999 240 VERT(CL): 0.056 G 999 180 HORZ(LL): 0.007 G - - HORZ(TL): 0.015 G - - Creep Factor: 2.0 Max TC CSI: 0.389 Max BC CSI: 0.305 Max Web CSI: 0.117 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H* 82 /- /- /54 /5 /9 Wind reactions based on MWFRS H Brg Width = 168 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.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 7-0-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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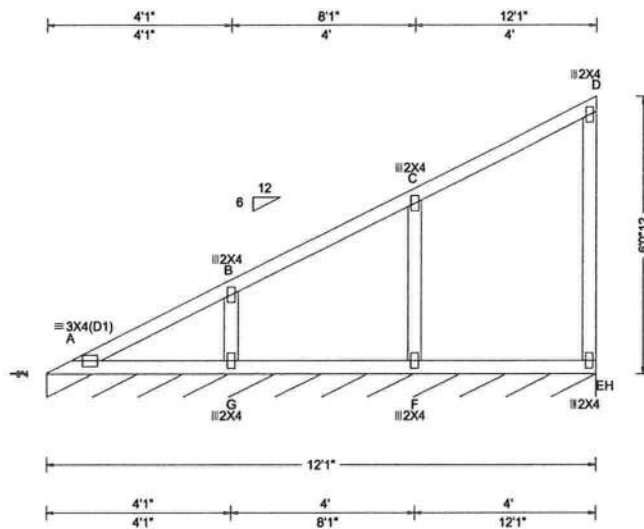
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316676 / FROM: CDM	VAL Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V04	Cust: R215 JRef: 1WYe2150005 T87 / DrwNo: 248.20.0945.03630 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.91 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.007 G 999 240 VERT(CL): 0.015 G 999 180 HORZ(LL): -0.003 D - - HORZ(TL): 0.004 G - - Creep Factor: 2.0 Max TC CSI: 0.245 Max BC CSI: 0.161 Max Web CSI: 0.088 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H* 81 /- /- /54 /5 /9 Wind reactions based on MWFRS H Brg Width = 144 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.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 6'-0"-12".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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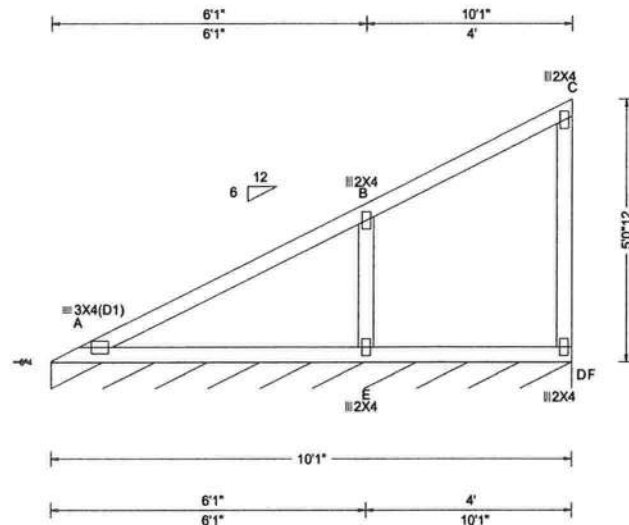
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316678 / FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V05	Cust: R 215 JRef: 1WYe2150005 T88 / DrwNo: 248.20.0945.04300 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.41 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.026 E 999 240 VERT(CL): 0.054 E 999 180 HORZ(LL): 0.007 E - - HORZ(TL): 0.014 E - - Creep Factor: 2.0 Max TC CSI: 0.435 Max BC CSI: 0.311 Max Web CSI: 0.082 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL F* 81 /- /- /53 /5 /9 Wind reactions based on MWFRS F Brg Width = 120 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.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 5'-0"-12."



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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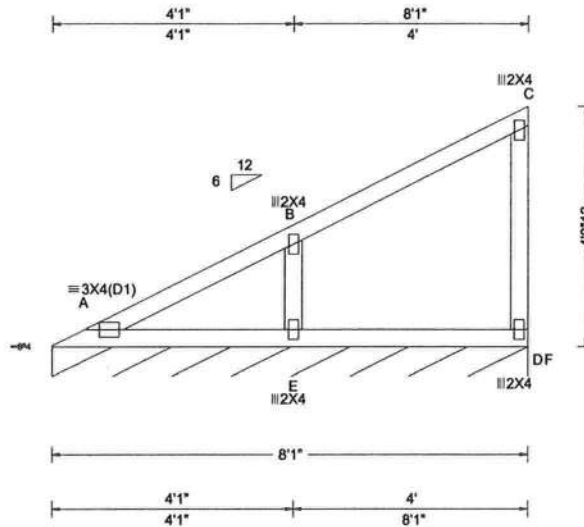
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316680 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V06	Cust: R 215 JRef: 1WY2150005 T89 / DrwNo: 248.20.0945.02772 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.91 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.006 E 999 240 VERT(CL): 0.013 E 999 180 HORZ(LL): 0.002 E - - HORZ(TL): 0.003 E - - Creep Factor: 2.0 Max TC CSI: 0.272 Max BC CSI: 0.180 Max Web CSI: 0.078 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL F* 81 /- /- /53 /5 /9 Wind reactions based on MWFRS F Brg Width = 97.0 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

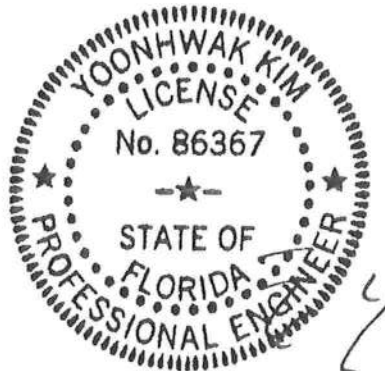
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 4'-0-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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

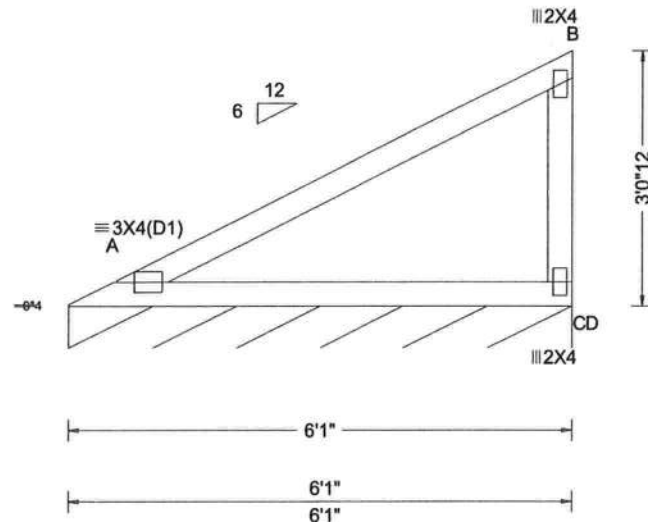
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 316682 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V07	Cust: R 215 JRef: 1WYe2150005 T90 / DrwNo: 248.20.0945.02523 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCCL: 20.00 TCCL: 10.00 BCCL: 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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.41 ft TCCL: 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 GCPl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.011 C - - HORZ(TL): 0.022 C - - Creep Factor: 2.0 Max TC CSI: 0.469 Max BC CSI: 0.400 Max Web CSI: 0.154 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 81 /- /- /52 /5 /9 Wind reactions based on MWFRS D Brg Width = 73.0 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

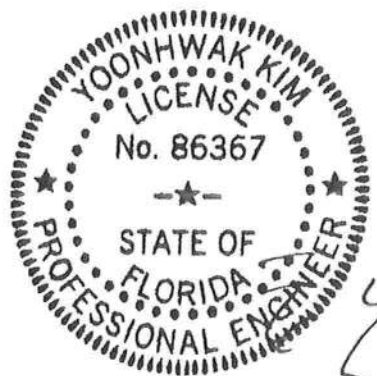
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 3-0-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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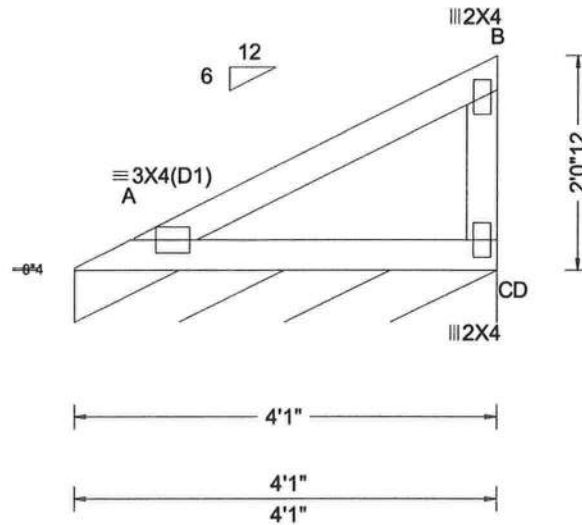
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 316684 / FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V08	Cust: R 215 JRef: 1WYe2150005 T91 / DrwNo: 248.20.0945.02258 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D* 80 /- /- /51 /4 /8						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 C - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.006 C - -	D Brg Width = 49.0			Min Req = -			
Des Ld: 40.00	Mean Height: 19.91 ft		Creep Factor: 2.0	Bearing A is a rigid surface.						
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.197	Members not listed have forces less than 375#						
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.158							
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.064							
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes								
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)								
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.09							

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.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 2'-0"-12".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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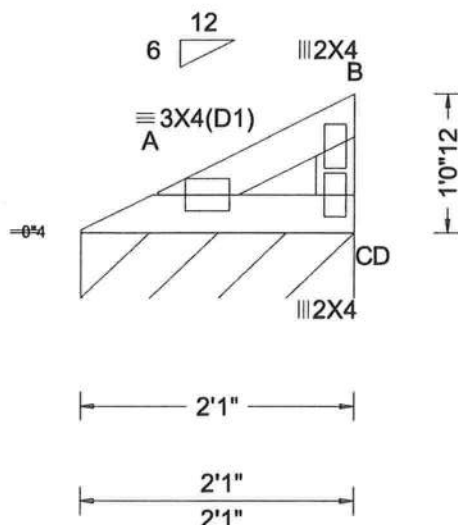
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 316686 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V09	Cust: R 215 JRef: 1WYe2150005 T92 / DrwNo: 248.20.0945.02476 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. P1 in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.41 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.037 Max BC CSI: 0.040 Max Web CSI: 0.016 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 82 /- /- /47 /3 /7 Wind reactions based on MWFRS D Brg Width = 25.0 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.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1'-0"-12".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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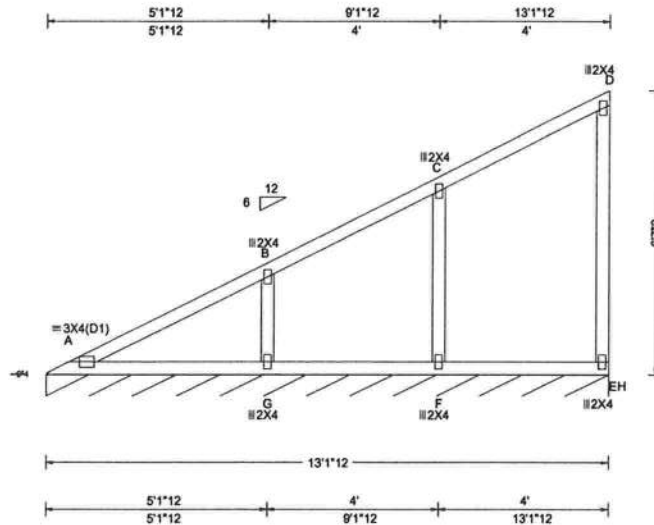
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 316688 / FROM: CDM	VAL Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V10	Cust: R 215 JRef: 1WYe2150005 T22 / DrwNo: 248.20.0945.03863 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.016 G 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.033 G 999 180	H* 82	/-	/-	/54	/4	/9	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 G - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.009 G - -	H Brg Width = 157 Min Req = -						
Des Ld: 40.00	Mean Height: 15.17 ft		Creep Factor: 2.0	Bearing A is a rigid surface.						
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.284	Members not listed have forces less than 375#						
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.222							
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max Web CSI: 0.104							
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes								
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)								
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.09							

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.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 6'-7-2".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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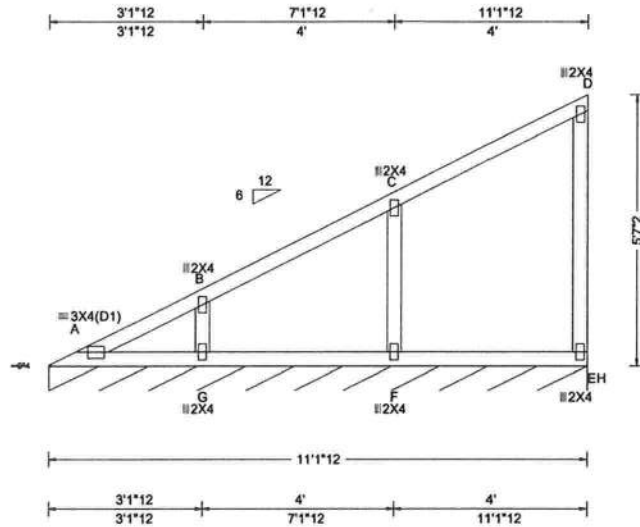
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316690 / FROM: CDM	VAL Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V11	Cust: R 215 JRef: 1WYe2150005 T71 / DrwNo: 248.20.0945.04159 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.67 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/ VERT(LL): 0.003 G 999 240 VERT(CL): 0.005 G 999 180 HORZ(LL): -0.002 D - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.255 Max BC CSI: 0.169 Max Web CSI: 0.076 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL H* 81 /- /- /54 /4 /9 Wind reactions based on MWFRS H Brg Width = 133 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.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 5'-7-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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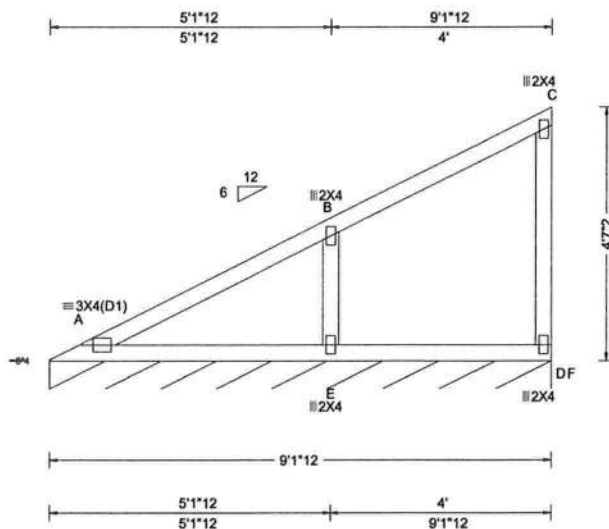
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316692 / FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: V12	Cust: R 215 JRef: 1WYe2150005 T73 / DrwNo: 248.20.0945.02226 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.17 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.015 E 999 240 VERT(CL): 0.030 E 999 180 HORZ(LL): 0.004 E - - HORZ(TL): 0.008 E - - Creep Factor: 2.0 Max TC CSI: 0.347 Max BC CSI: 0.239 Max Web CSI: 0.067 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F* 81 /- /- /53 /4 /9 Wind reactions based on MWFRS F Brg Width = 109 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.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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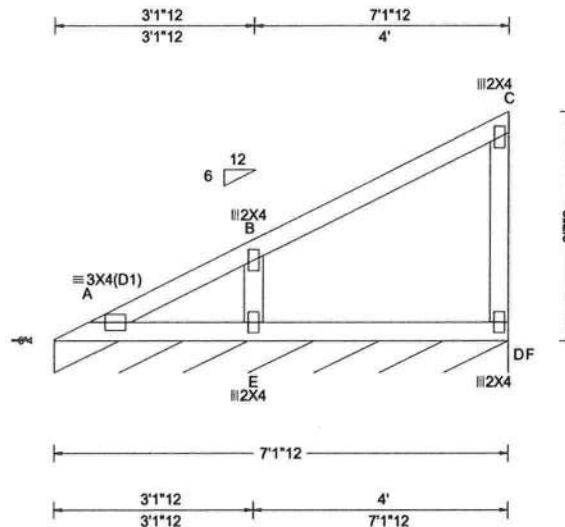
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316694 / FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: V13	Cust: R 215 JRef: 1WYe2150005 T74 / DrwNo: 248.20.0945.04207 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.67 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.002 E 999 240 VERT(CL): 0.003 E 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.190 Max BC CSI: 0.131 Max Web CSI: 0.079 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL F* 81 /- /- /53 /4 /9 Wind reactions based on MWFRS F Brg Width = 85.8 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.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 3-7-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

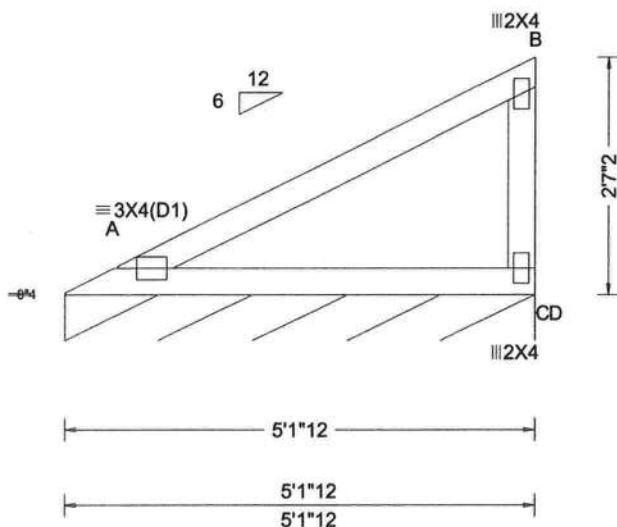
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Suite 305
Orlando FL, 32821

SEQN: 316696 / FROM: CDM	VAL Qty: 1	Ply: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V14	Cust: R 215 JRef: 1WYe2150005 T75 / DrwNo: 248.20.0945.03240 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.17 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.006 C - - HORZ(TL): 0.013 C - - Creep Factor: 2.0 Max TC CSI: 0.320 Max BC CSI: 0.295 Max Web CSI: 0.098 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 80 /- /- /52 /4 /9 Wind reactions based on MWFRS D Brg Width = 61.8 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

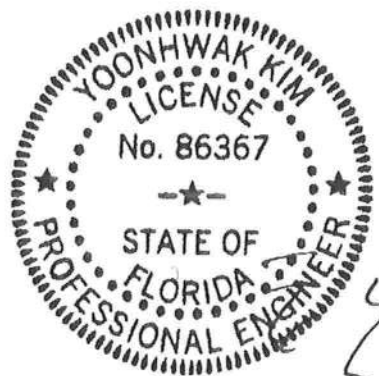
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 27'-2".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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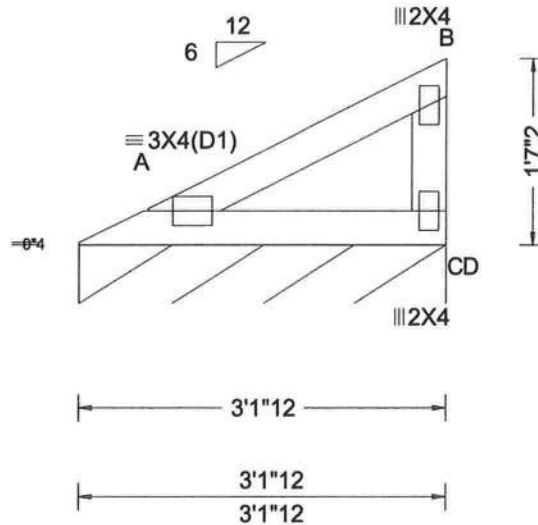
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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SEQN: 316698 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V15	Cust: R 215 JRef: 1WYe2150005 T76 / DrwNo: 248.20.0945.03646 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.67 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 C - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.109 Max BC CSI: 0.094 Max Web CSI: 0.035 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 79 /- /- /50 /3 /8 Wind reactions based on MWFRS D Brg Width = 37.8 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

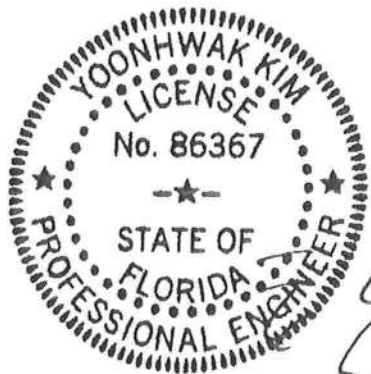
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 1'-7-2".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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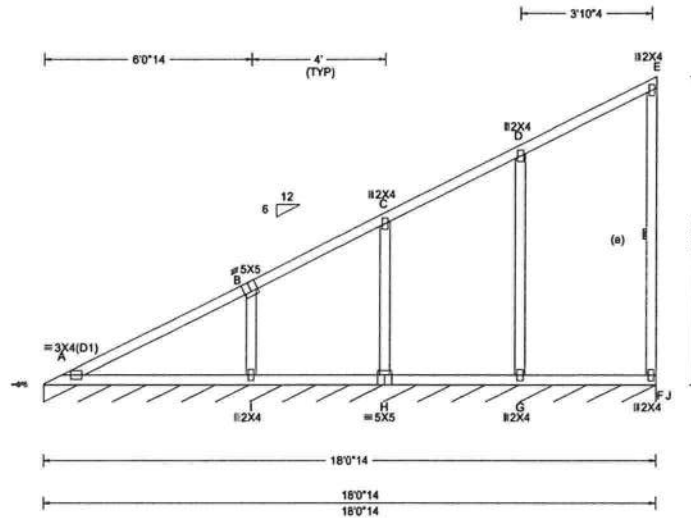
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SEQN: 316434 / FROM: CDM	VAL Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V16	Cust: R 215 JRef: 1WYe2150005 T63 / DrwNo: 248.20.0945.03475 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.41 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.027 999 240 VERT(CL): 0.056 999 180 HORZ(LL): 0.007 - - HORZ(TL): 0.015 - - Creep Factor: 2.0 Max TC CSI: 0.385 Max BC CSI: 0.306 Max Web CSI: 0.260 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity J* 82 /- /- /54 /5 /9 Wind reactions based on MWFRS J Brg Width = 216 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;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

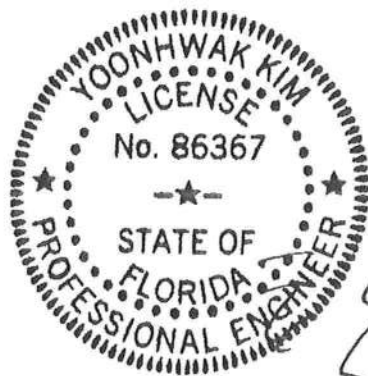
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 9'-0.12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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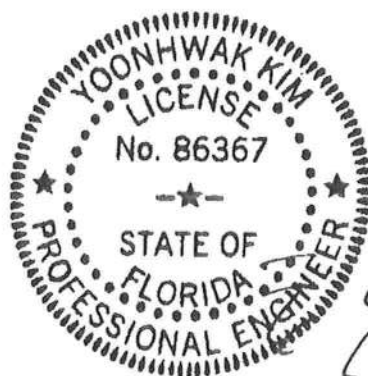
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Orlando FL, 32821

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

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

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 8'-0"-12"



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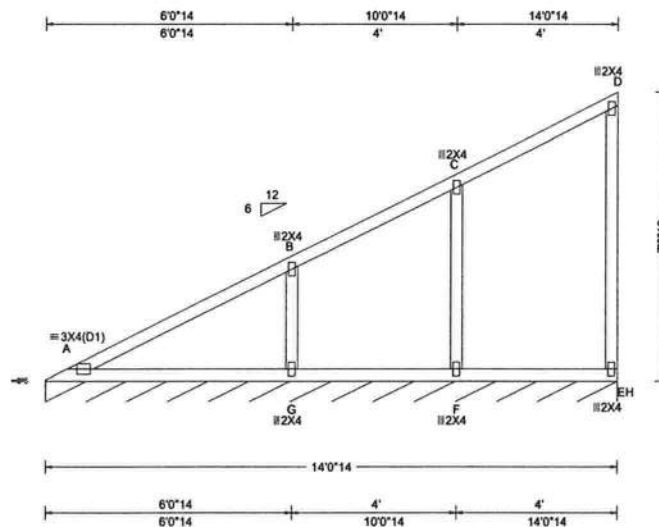
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SEQN: 316432 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V18	Cust: R 215 JRef: 1WYe2150005 T79 / DrwNo: 248.20.0945.02945 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.41 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.027 G 999 240 VERT(CL): 0.056 G 999 180 HORZ(LL): 0.007 G - - HORZ(TL): 0.015 G - - Creep Factor: 2.0 Max TC CSI: 0.388 Max BC CSI: 0.304 Max Web CSI: 0.117 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H* 82 /- /- /54 /5 /9 Wind reactions based on MWFRS H Brg Width = 168 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.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 7'-0-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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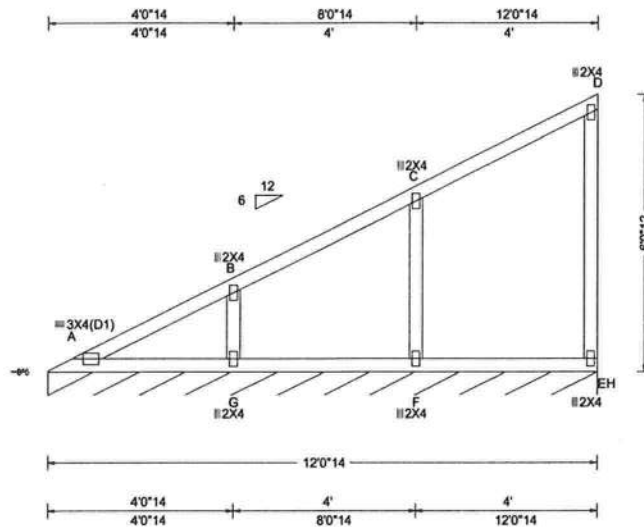
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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SEQN: 316436 / FROM: CDM	VAL Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V19	Cust: R 215 JRef: 1WYe2150005 T60 / DrwNo: 248.20.0945.02569 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.91 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.007 G 999 240 VERT(CL): 0.015 G 999 180 HORZ(LL): -0.003 D - - HORZ(TL): 0.004 G - - Creep Factor: 2.0 Max TC CSI: 0.245 Max BC CSI: 0.161 Max Web CSI: 0.088 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity H* 81 /- /- /54 /5 /9 Wind reactions based on MWFRS H Brg Width = 144 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.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 6'-0"-12".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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Orlando FL, 32821

Lumber

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

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

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 5'-0"-12".



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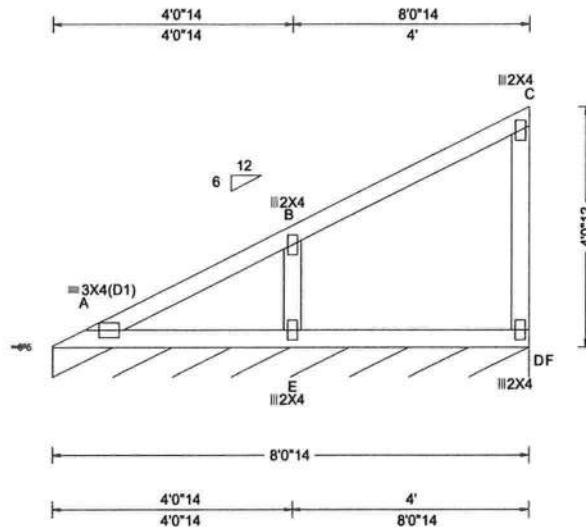
Alpine, a division of ITW Building Components Group Inc, shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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6750 Forum Drive
Suite 305
Orlando FL 32821

SEQN: 316440 / FROM: CDM	VAL Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V21	Cust: R 215 JRef: 1WYe2150005 T66 / DrwNo: 248.20.0945.03474 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.91 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 E 999 240 VERT(CL): 0.012 E 999 180 HORZ(LL): 0.002 E - - HORZ(TL): 0.003 E - - Creep Factor: 2.0 Max TC CSI: 0.272 Max BC CSI: 0.179 Max Web CSI: 0.077 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL F* 81 /- /- /53 /5 /9 Wind reactions based on MWFRS F Brg Width = 96.9 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

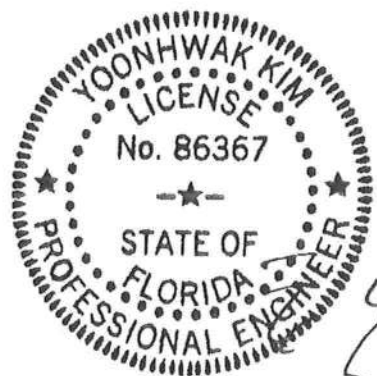
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 4'-0-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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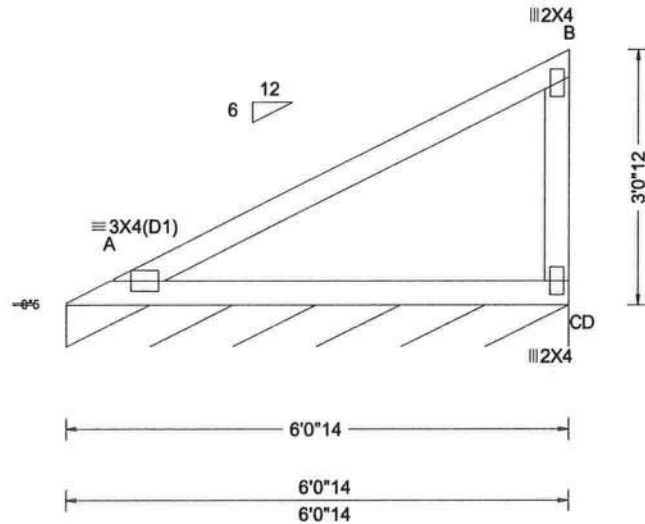
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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-2 for standard plate positions. Refer to Job's General Notes page for additional information.

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Orlando FL, 32821

SEQN: 316442 / FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: V22	Cust: R215 JRef: 1WYe2150005 T80 / DrwNo: 248.20.0945.03333 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.41 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/ VERT(LL): NA VERT(CL): NA HORZ(LL): 0.011 C - HORZ(TL): 0.021 C - Creep Factor: 2.0 Max TC CSI: 0.468 Max BC CSI: 0.398 Max Web CSI: 0.153 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ /R- /Rh /Rw /U /RL Non-Gravity D* 81 /- /- /52 /5 /9 Wind reactions based on MWFRS D Brg Width = 72.9 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.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 3'-0"-12".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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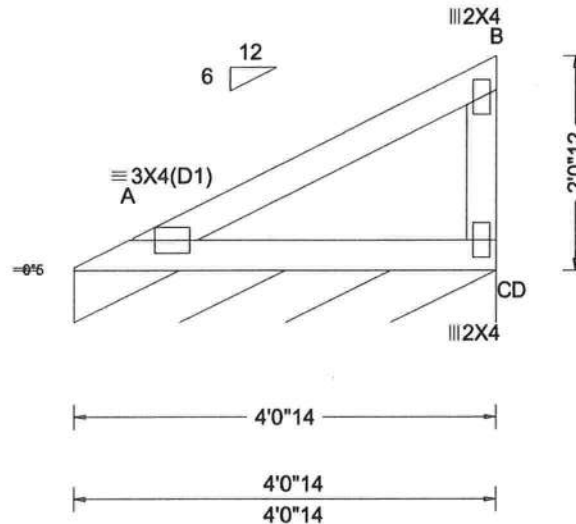
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Orlando FL, 32821

SEQN: 316444 / FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V23	Cust: R 215 JRef: 1WYe2150005 T82 / DrwNo: 248.20.0945.04144 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.91 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.003 C - - HORZ(TL): 0.006 C - - Creep Factor: 2.0 Max TC CSI: 0.196 Max BC CSI: 0.157 Max Web CSI: 0.064 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL D* 80 /- /- /51 /4 /8 Wind reactions based on MWFRS D Brg Width = 48.9 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

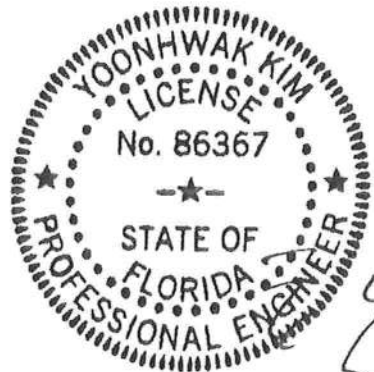
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 2'-0"-12".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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Suite 305
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[illegible]

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.

Additional Notes
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 1-0-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

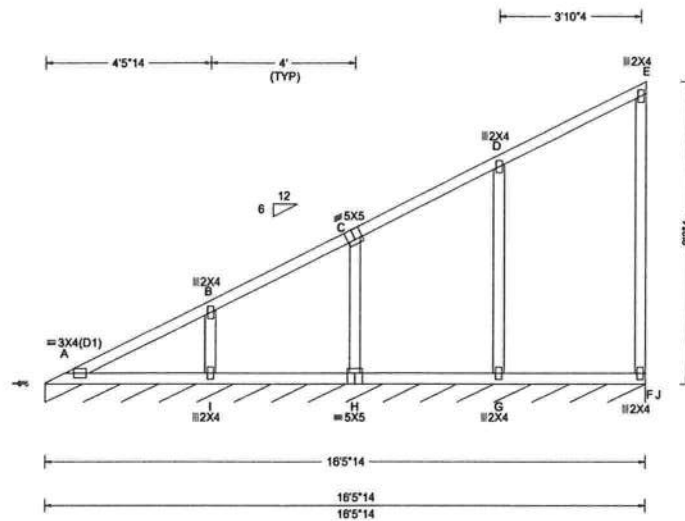
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SEQN: 316449 / FROM: CDM	VAL Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V25	Cust: R 215 JRef: 1WYe2150005 T57 / DrwNo: 248.20.0945.04097 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.01 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.010 I 999 240 VERT(CL): 0.020 I 999 180 HORZ(LL): -0.003 E - - HORZ(TL): 0.005 I - - Creep Factor: 2.0 Max TC CSI: 0.252 Max BC CSI: 0.177 Max Web CSI: 0.202 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J* 82 /- /- /54 /5 /9 Wind reactions based on MWFRS J Brg Width = 197 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

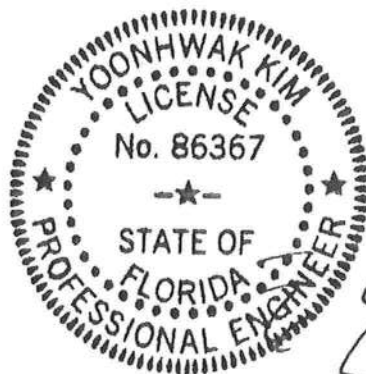
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 8-3-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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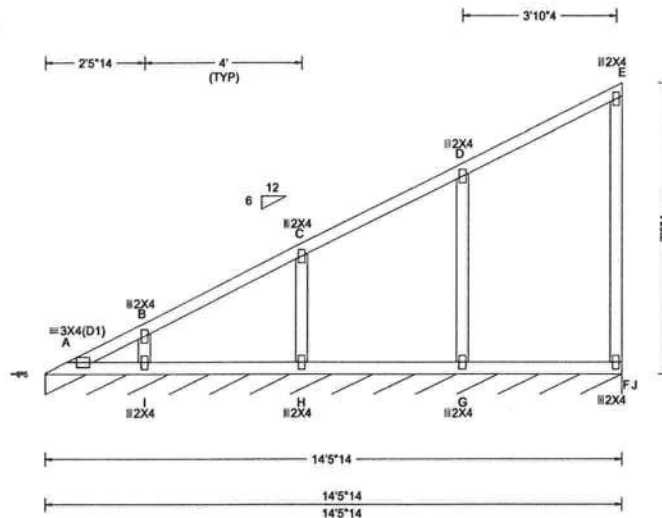
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 316451 / FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V26	Cust: R 215 JRef: 1WYe2150005 T54 / DrwNo: 248.20.0945.02725 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 D 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 D 999 180	J*	82	/-	/-	/54	/5	/9
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 E - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.004 E - -	J	Brg Width = 173			Min Req = -		
NCBCLL: 10.00	Mean Height: 16.51 ft		Creep Factor: 2.0	Bearing A is a rigid surface.						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.245	Members not listed have forces less than 375#						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.163							
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h		Max Web CSI: 0.141							
	C&C Dist a: 3.00 ft									
	Loc. from endwall: not in 9.00 ft									
	GCpi: 0.18									
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.09							

Lumber

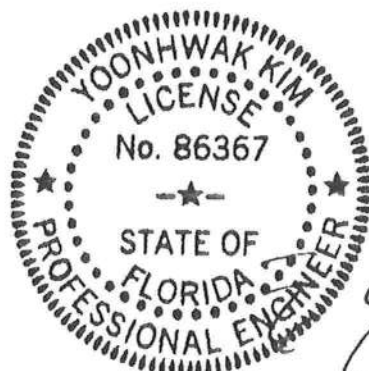
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 7'-3-4."



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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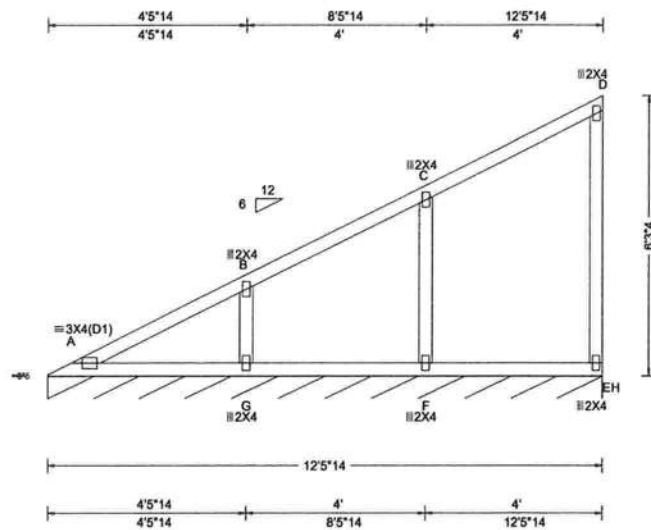
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Suite 305
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SEQN: 316453 / FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: V27	Cust: R 215 JRef: 1WYe2150005 T37 / DrwNo: 248.20.0945.02443 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF					
				Gravity			Non-Gravity		
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.010 G 999 240						
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.021 G 999 180	H*	82	/-	/-	/54	/5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 D - -						
Des Ld: 40.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.005 G - -						
NCBCLL: 10.00	Mean Height: 17.01 ft	FBC 2017 RES	Creep Factor: 2.0						
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.238						
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.169						
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h	FT/RT: 20(0)/10(0)	Max Web CSI: 0.094						
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 18.02.01B.0321.09						
	Loc. from endwall: not in 9.00 ft	WAVE							
	GCpi: 0.18								
	Wind Duration: 1.60								

Lumber

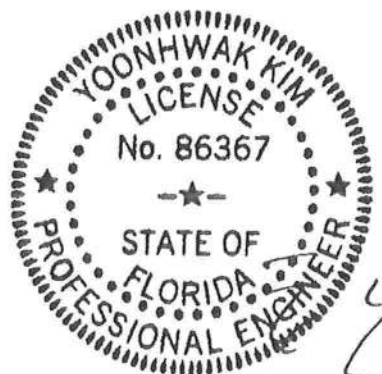
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 6-3-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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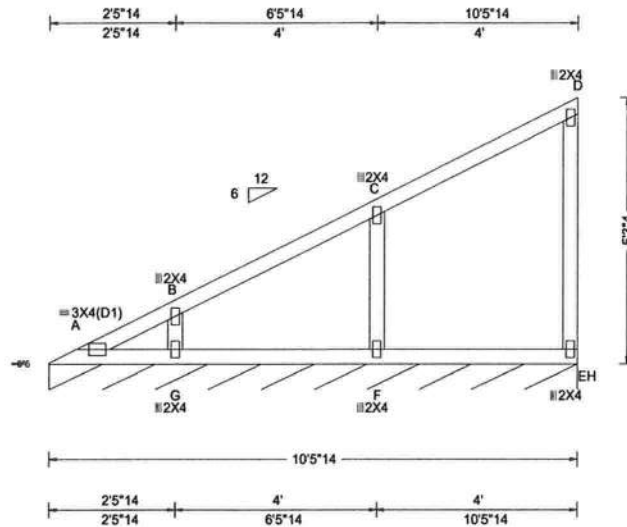
Alpine, a division of ITW Building Components Group Inc, shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316455 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V28	Cust: R 215 JRef: 1WYe2150005 T56 / DrwNo: 248.20.0945.02522 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.51 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.001 G 999 240 VERT(CL): 0.002 G 999 180 HORZ(LL): -0.002 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.259 Max BC CSI: 0.172 Max Web CSI: 0.069 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity H* 81 /- /- /54 /5 /9 Wind reactions based on MWFRS H Brg Width = 125 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

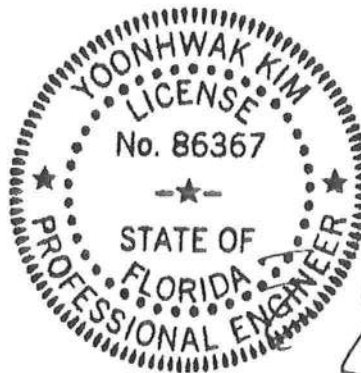
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 5-3-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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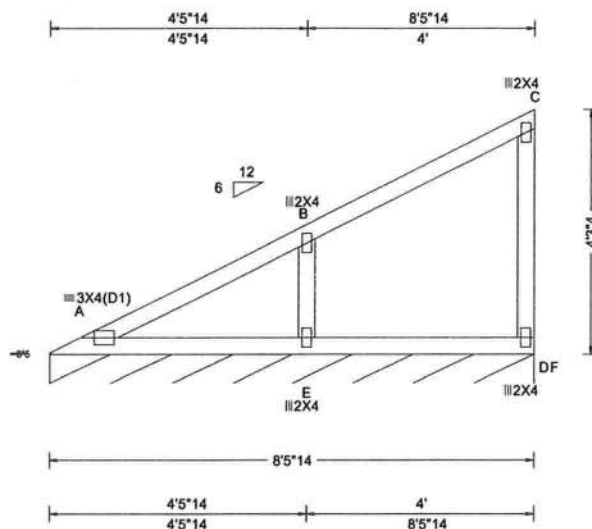
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 316457 / FROM: CDM	VAL Qty: 1	Ply: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V29	Cust: R 215 JRef: 1WYe2150005 T53 / DrwNo: 248.20.0945.03693 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 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: 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.009 E 999 240 VERT(CL): 0.018 E 999 180 HORZ(LL): 0.002 E - - HORZ(TL): 0.005 E - - Creep Factor: 2.0 Max TC CSI: 0.296 Max BC CSI: 0.199 Max Web CSI: 0.075 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F* 81 /- /- /53 /5 /9 Wind reactions based on MWFRS F Brg Width = 101 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

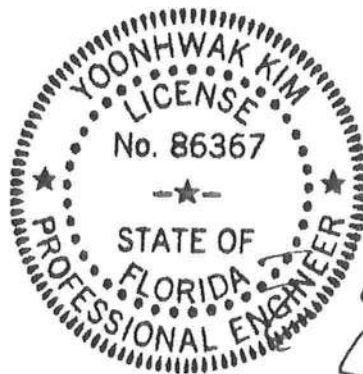
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 4-3-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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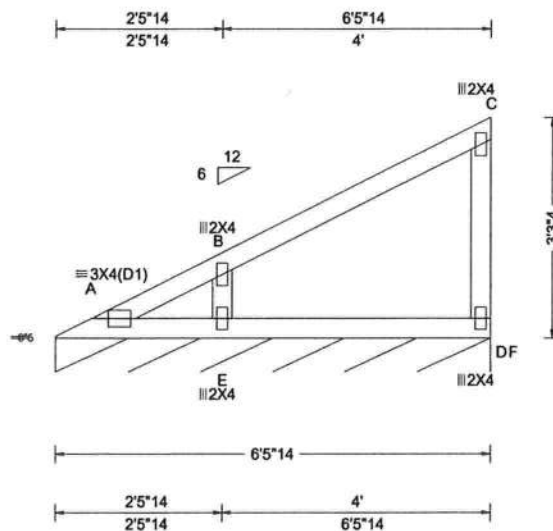
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Orlando FL, 32821

SEQN: 316459 / FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: V30	Cust: R 215 JRef: 1WYe2150005 T62 / DrwNo: 248.20.0945.02756 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF										
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity					Non-Gravity					
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 E 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL				
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 C 999 180	F*	81	/-	/-	/52	/5	/9				
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C - -	Wind reactions based on MWFRS										
	EXP: C Kzt: NA		HORZ(TL): 0.001 C - -	F	Brg Width = 77.9	Min Req = -								
Des Ld: 40.00	Mean Height: 18.51 ft	Building Code:	Creep Factor: 2.0	Bearing A is a rigid surface.										
NCBCLL: 10.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.190	Members not listed have forces less than 375#										
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.131											
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.082											
Spacing: 24.0 "	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: 18.02.01B.0321.09											
	Wind Duration: 1.60													

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.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 3-3-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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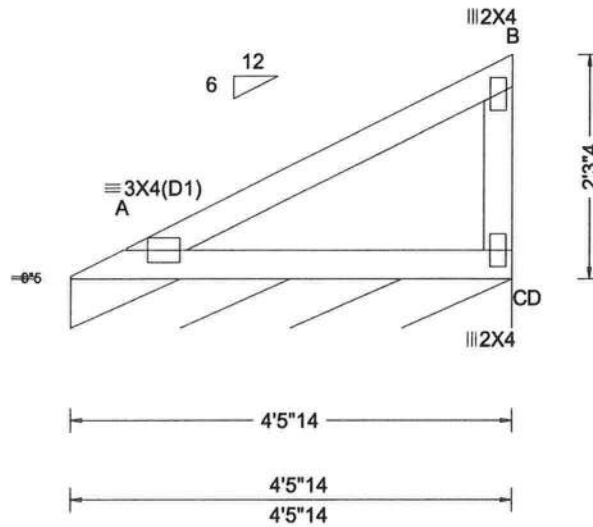
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316461 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V31	Cust: R 215 JRef: 1WYe2150005 T55 / DrwNo: 248.20.0945.04347 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.01 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 C - - HORZ(TL): 0.008 C - - Creep Factor: 2.0 Max TC CSI: 0.239 Max BC CSI: 0.231 Max Web CSI: 0.077 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 80 /- /- /51 /4 /9 Wind reactions based on MWFRS D Brg Width = 53.9 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

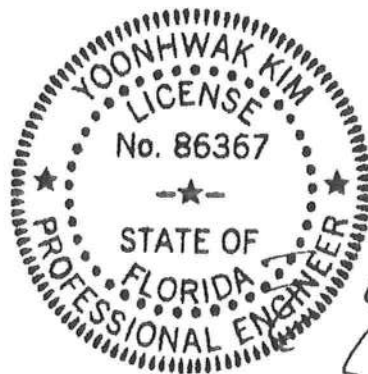
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2-3-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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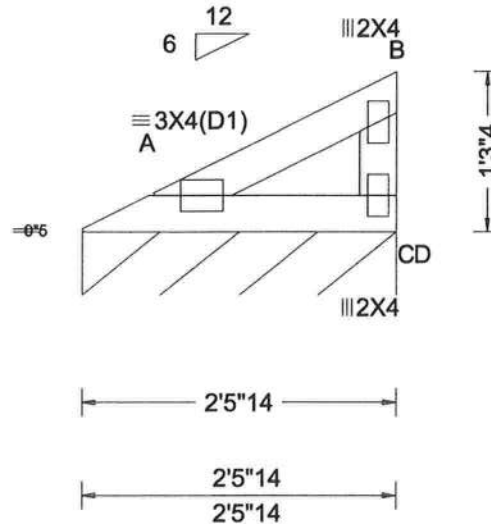
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316463 / FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: V32	Cust: R 215 JRef: 1WYe2150005 T52 / DrwNo: 248.20.0945.02257 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D* 78 /- /- /48 /3 /7						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 C - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.001 C - -	D Brg Width = 29.9 Min Req = -						
Des Ld: 40.00	Mean Height: 19.51 ft		Creep Factor: 2.0	Bearing A is a rigid surface.						
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.061	Members not listed have forces less than 375#						
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.059							
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.022							
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes								
	Loc. from endwall: not in 9.00 ft	FT/RT: 20(0)/10(0)								
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.09							

Lumber

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

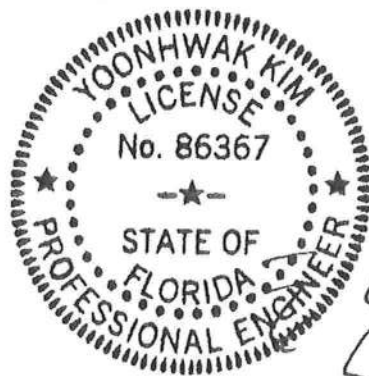
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1'-3 1/4".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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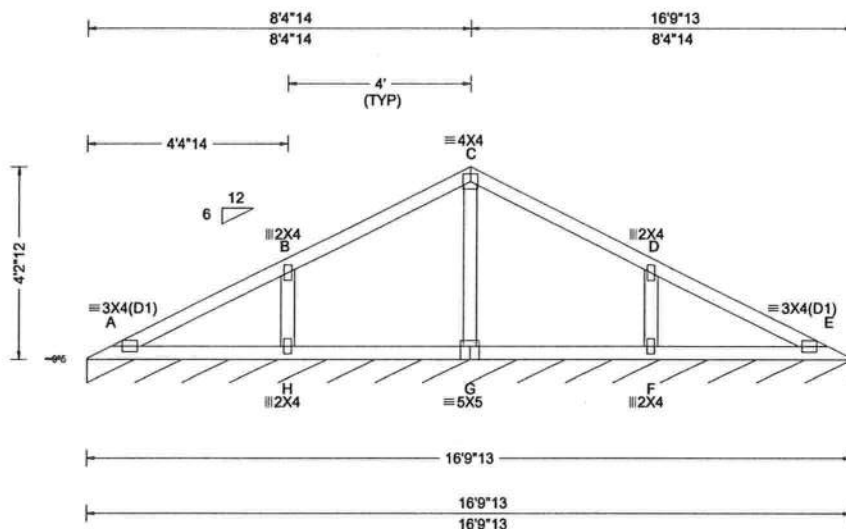
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316358 / FROM: CDM	VAL Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V33	Cust: R 215 JRef: 1WYe2150005 T104 DrwNo: 248.20.0945.02880 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
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 7-10 Speed: 130 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.008 H 999 240 VERT(CL): 0.016 H 999 180 HORZ(LL): 0.003 H - - HORZ(TL): 0.005 H - - Creep Factor: 2.0 Max TC CSI: 0.320 Max BC CSI: 0.164 Max Web CSI: 0.088 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL 1* 81 /- /- /41 /- /6 Non-Gravity Wind reactions based on MWFRS 1 Brg Width = 201 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

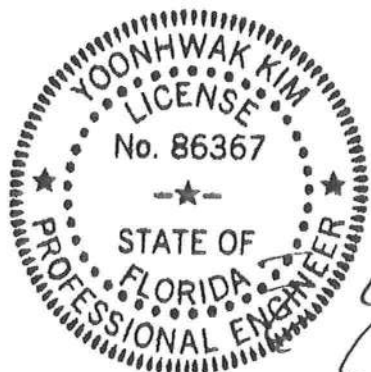
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 4-2-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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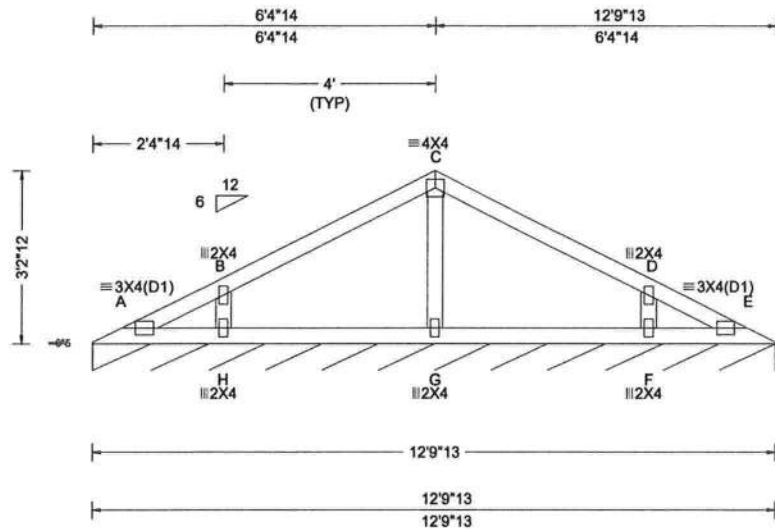
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316360 / FROM: CDM	VAL Qty: 1	Ply: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V34	Cust: R 215 JRef: 1WYe2150005 T105 DrwNo: 248.20.0945.02647 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 C 999 240 VERT(CL): 0.001 C 999 180 HORZ(LL): -0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.200 Max BC CSI: 0.116 Max Web CSI: 0.050 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL 1" 81 /- /- /41 /- /6 Wind reactions based on MWFRS I Brg Width = 153 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

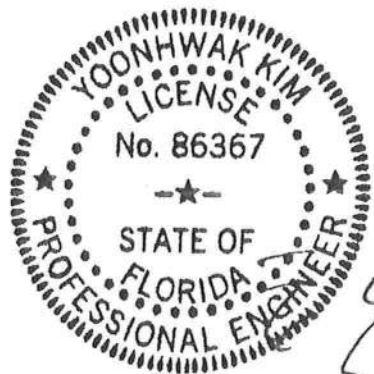
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 3-2-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

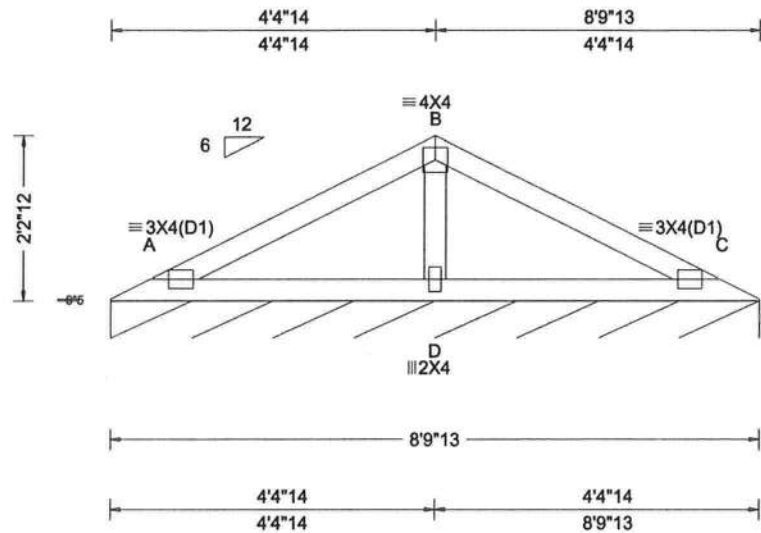
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 316362 / FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: V35	Cust: R 215 JRef: 1WYe2150005 T106 DrwNo: 248.20.0945.03476 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *-PLF						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.010 D 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.020 D 999 180	E*	80	/-	/-	/40	/-	/5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.004 D - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.008 D - -	E Brg Width = 105 Min Req = -						
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	Bearing A is a rigid surface.						
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.255	Members not listed have forces less than 375#						
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.210	Maximum Web Forces Per Ply (lbs)						
Load Duration: 1.25	MWFRS Parallel Dist: > 2h		Max Web CSI: 0.079	Webs Tens.Comp.						
Spacing: 24.0 "	C&C Dist a: 3.00 ft			B - D 232 -410						
	Loc. from endwall: not in 9.00 ft									
	GCpl: 0.18									
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.09							

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.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2-2-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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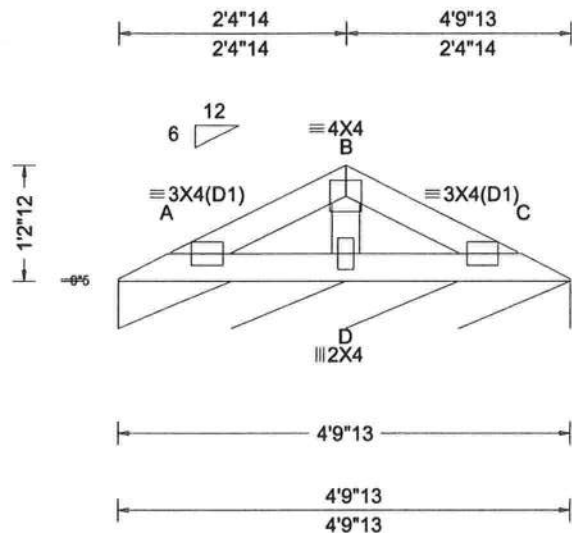
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 316703 / FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: V36	Cust: R215 JRef: 1WYe2150005 T43 / DrwNo: 248.20.0945.03864 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.001 D 999 240 VERT(CL): 0.003 D 999 180 HORZ(LL): -0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.057 Max BC CSI: 0.048 Max Web CSI: 0.028 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 78 /- /- /36 /- /5 Wind reactions based on MWFRS E Brg Width = 57.8 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;

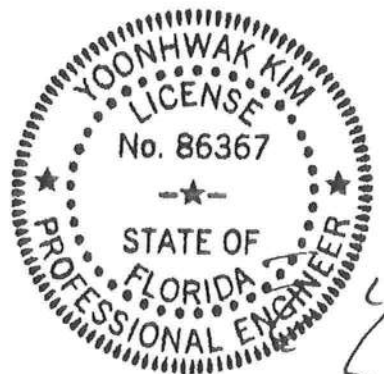
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1-2-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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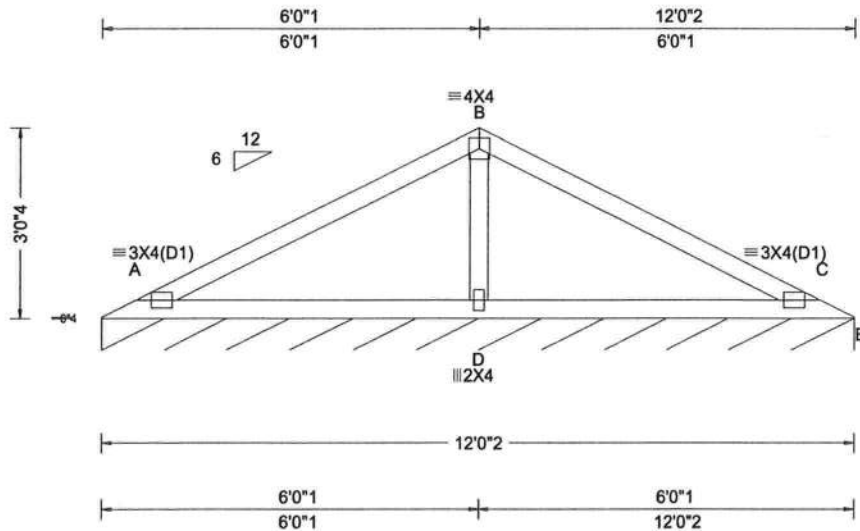
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 316372 / FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: V37	Cust: R 215 JRef: 1WYe2150005 T33 / DrwNo: 248.20.0945.03101 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.71 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.026 D 999 240 VERT(CL): 0.052 D 999 180 HORZ(LL): -0.010 D - - HORZ(TL): 0.021 D - - Creep Factor: 2.0 Max TC CSI: 0.505 Max BC CSI: 0.416 Max Web CSI: 0.151 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL E* 81 /- /- /41 /12 /6 Wind reactions based on MWFRS E Brg Width = 144 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 508 -230 B - C 508 -231 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - D 259 -396 D - C 259 -396 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - D 345 -687

Lumber

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

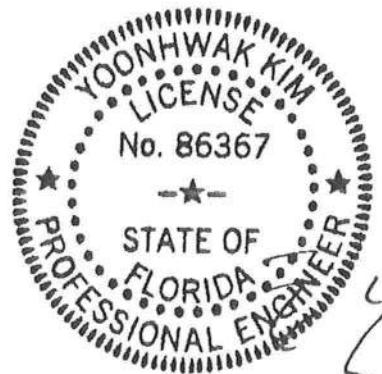
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 3-0-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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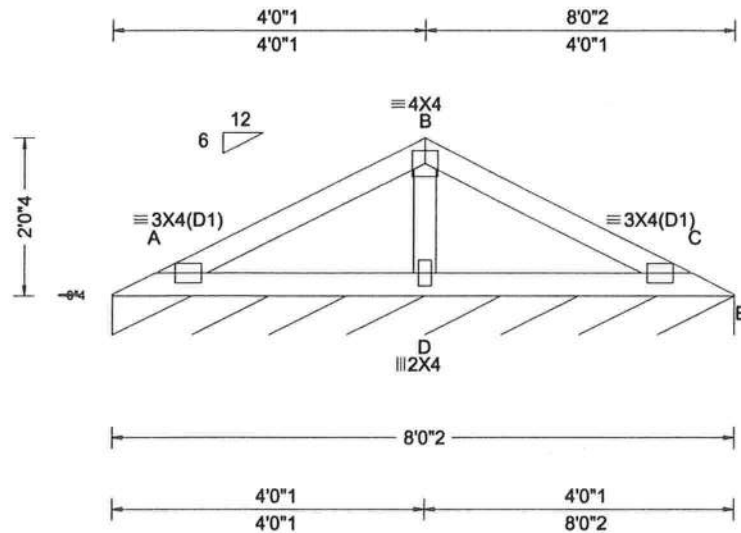
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 316374 / FROM: CDM	VAL Qty: 1	Ply: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V38	Cust: R 215 JRef: 1WYe2150005 T38 / DrwNo: 248.20.0945.04036 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.21 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.007 D 999 240 VERT(CL): 0.015 D 999 180 HORZ(LL): -0.003 D - - HORZ(TL): 0.006 D - - Creep Factor: 2.0 Max TC CSI: 0.205 Max BC CSI: 0.168 Max Web CSI: 0.071 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL E* 80 /- /- /39 /5 /5 Wind reactions based on MWFRS E Brg Width = 96.1 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

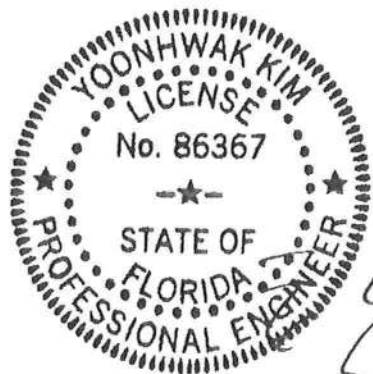
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 2-0-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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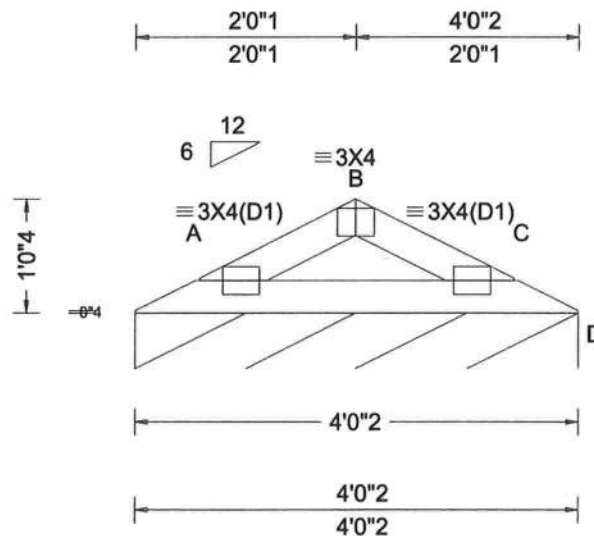
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316376 / FROM: CDM	VAL Qty: 1	Job Number: 20-4538 Grande Cypress ALF Truss Label: V39	Cust: R 215 JRef: 1WYe2150005 T39 / DrwNo: 248.20.0945.04051 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCCL: 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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.71 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 999 240 VERT(CL): 0.008 999 180 HORZ(LL): -0.001 - - HORZ(TL): 0.003 - - Creep Factor: 2.0 Max TC CSI: 0.075 Max BC CSI: 0.108 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 77 /- /- /35 /4 /4 Wind reactions based on MWFRS D Brg Width = 48.1 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;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1'-0-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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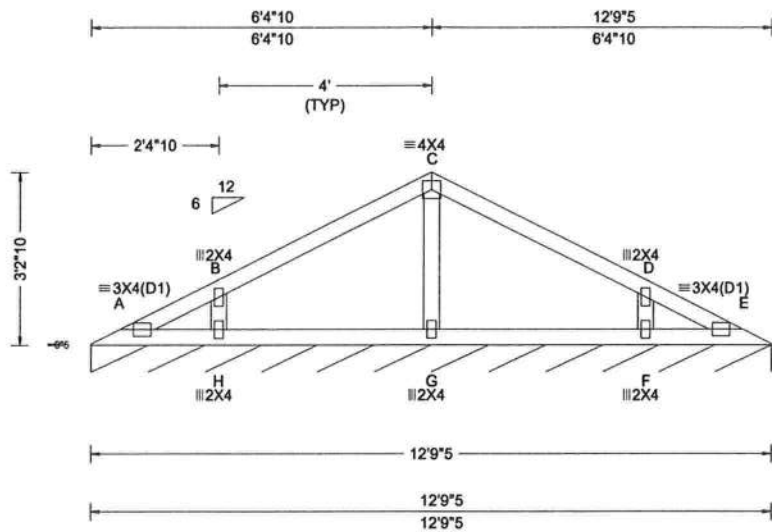
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316280 / FROM: CDM	VAL Qty: 2	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: V40	Cust: R 215 JRef: 1WYe2150005 T4 / DrwNo: 248.20.0945.04284 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 C 999 240 VERT(CL): 0.001 C 999 180 HORZ(LL): -0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.200 Max BC CSI: 0.116 Max Web CSI: 0.050 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL 1* 81 /- /- /41 /- /6 Wind reactions based on MWFRS 1 Brg Width = 153 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.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 3-2-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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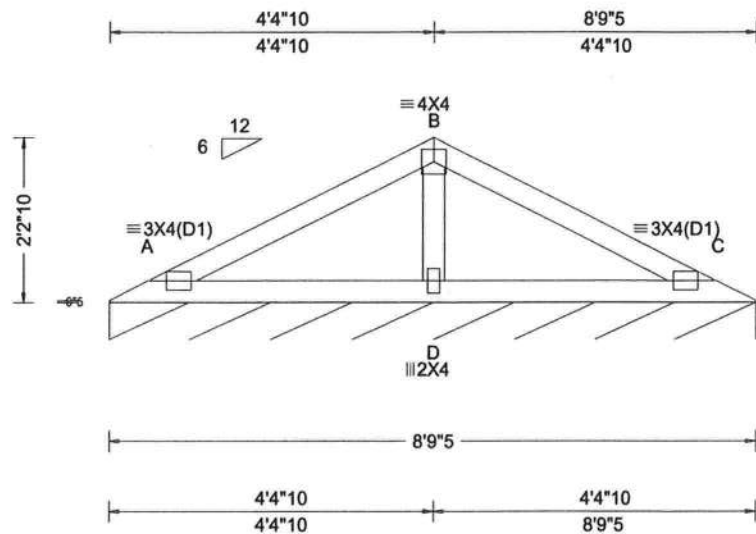
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316282 / FROM: CDM	VAL Ply: 1 Qty: 2	Job Number: 20-4538 Grande Cypress ALF Truss Label: V41	Cust: R 215 JRef: 1WYe2150005 T2 / DrwNo: 248.20.0945.03755 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.010 D 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.020 D 999 180	E*	80	/-	/-	/40	/-	/5
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.004 D - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.008 D - -	E Brg Width = 105 Min Req = -						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearing A is a rigid surface.						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.253	Members not listed have forces less than 375#						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.208	Maximum Web Forces Per Ply (lbs)						
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h		Max Web CSI: 0.078	Webs	Tens.Comp.					
	C&C Dist a: 3.00 ft			B - D	231 -407					
	Loc. from endwall: not in 9.00 ft									
	GCpi: 0.18									
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.09							

Lumber

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

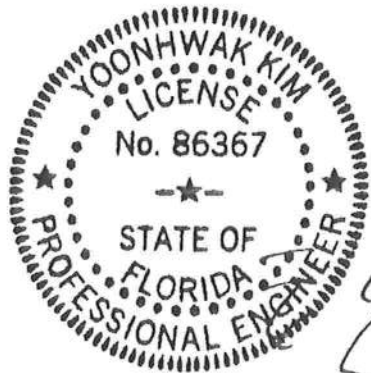
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2-2-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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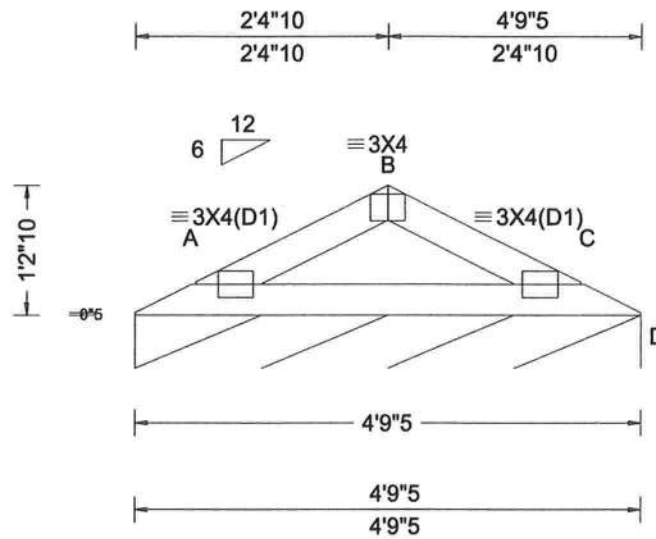
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316284 / FROM: CDM	VAL Qty: 2	Ply: 1 Job Number: 20-4538 Grande Cypress ALF Truss Label: V42	Cust: R 215 JRef: 1WYe2150005 T19 / DrwNo: 248.20.0945.03069 / YK 09/04/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-10 Speed: 130 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.007 999 240 VERT(CL): 0.013 999 180 HORZ(LL): -0.002 - - HORZ(TL): 0.004 - - Creep Factor: 2.0 Max TC CSI: 0.110 Max BC CSI: 0.143 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 78 /- /- /36 /- /5 Wind reactions based on MWFRS D Brg Width = 57.3 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

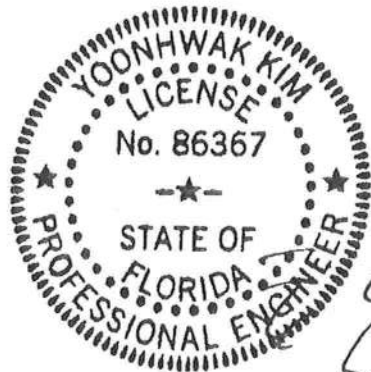
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 1'-2-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/04/2020

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6750 Forum Drive
Suite 305
Orlando FL, 32821

Gable Stud Reinforcement Detail

ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Dr: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

Max Gable Vertical Length	Gable Vertical Spacing	2x4 Species	Brace		No Braces	(1) 1x4 "L" Brace				(2) 2x4 "L" Brace				(1) 2x6 "L" Brace				(2) 2x6 "L" Brace			
			Grade	#1 / #2		Group A		Group B		Group A		Group B		Group A		Group B		Group A		Group B	
24" o.c.	SPF		#1 / #2	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	HF		#3	6' 7"	7' 1"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	Standard		Stud	6' 7"	7' 0"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	SP		#1	5' 8"	6' 0"	7' 7"	8' 1"	10' 1"	10' 6"	11' 10"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
24" o.c.	SP		#2	4' 3"	7' 3"	7' 7"	8' 7"	10' 4"	10' 9"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	DFL		#3	4' 2"	6' 4"	7' 11"	8' 6"	10' 2"	10' 7"	12' 5"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	Standard		Stud	4' 2"	6' 0"	7' 11"	8' 6"	10' 2"	10' 7"	12' 5"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	SPF		#1 / #2	5' 3"	5' 7"	7' 0"	7' 6"	9' 6"	10' 2"	11' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
16" o.c.	SPF		#3	4' 8"	8' 1"	8' 8"	9' 8"	10' 1"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	HF		Stud	4' 8"	8' 1"	8' 8"	9' 8"	10' 1"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	Standard		Standard	4' 8"	6' 11"	7' 5"	9' 3"	10' 1"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	SP		#1	5' 1"	8' 5"	8' 9"	9' 11"	10' 4"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
16" o.c.	SP		#2	4' 11"	8' 8"	9' 10"	10' 3"	11' 8"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	DFL		#3	4' 9"	7' 4"	8' 9"	9' 9"	10' 2"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	Standard		Stud	4' 9"	7' 4"	8' 9"	9' 9"	10' 2"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	SPF		#1 / #2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	11' 8"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
12" o.c.	HF		#3	5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	Standard		Stud	5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	SP		#1	5' 8"	9' 3"	9' 8"	10' 11"	11' 4"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	DFL		#2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
12" o.c.	SP		#3	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	DFL		Stud	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	Standard		Standard	5' 1"	7' 5"	7' 11"	9' 11"	10' 7"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			
	SPF		#2	5' 4"	8' 8"	9' 3"	10' 12"	11' 5"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"			

Gable Stud Reinforcement Detail

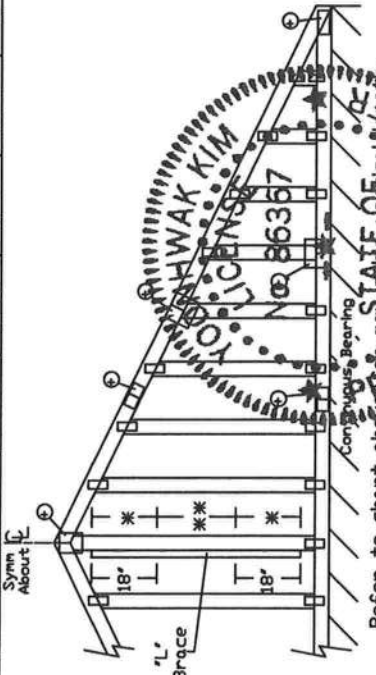
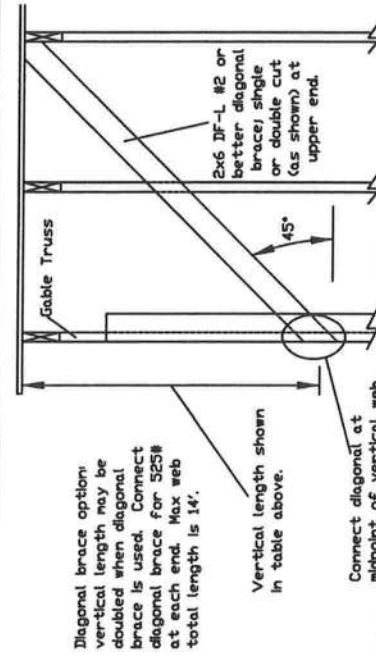
ASCE 7-10: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Dr: 100 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

Max Gable Vertical Length	Gable Vertical Spacing	2x4 Species	Brace Grade	No Braces		(1) 1x4 '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' 1"	7' 2"	8' 2"	8' 6"	9' 9"	10' 2"	12' 10"	13' 4"	14' 0"	14' 0"
	HF		#3	3' 10"	6' 2"	8' 1"	8' 5"	9' 8"	10' 0"	12' 8"	13' 2"	14' 0"	14' 0"
	SP		Stud	3' 10"	6' 2"	8' 1"	8' 5"	9' 8"	10' 0"	12' 8"	13' 2"	14' 0"	14' 0"
	DFL		Standard	3' 10"	5' 3"	7' 0"	7' 6"	9' 6"	10' 0"	11' 10"	11' 10"	14' 0"	14' 0"
16" o.c.	SPF	HF	#1	4' 2"	7' 3"	8' 3"	8' 7"	9' 10"	10' 3"	13' 0"	13' 6"	14' 0"	14' 0"
	HF		#2	4' 1"	6' 11"	7' 2"	8' 6"	9' 9"	10' 2"	12' 10"	13' 4"	14' 0"	14' 0"
	SP		#3	4' 0"	5' 7"	7' 5"	7' 11"	9' 8"	10' 1"	11' 7"	12' 5"	14' 0"	14' 0"
	DFL		Stud	4' 0"	5' 7"	7' 5"	7' 11"	9' 8"	10' 1"	11' 7"	12' 5"	14' 0"	14' 0"
12" o.c.	SPF	HF	Standard	3' 9"	4' 11"	5' 13"	7' 0"	8' 10"	9' 6"	10' 3"	11' 0"	13' 11"	14' 0"
	HF		#1 / #2	4' 8"	7' 11"	8' 3"	9' 4"	9' 9"	11' 2"	14' 0"	14' 0"	14' 0"	14' 0"
	SP		#3	4' 5"	7' 6"	8' 3"	9' 3"	9' 7"	11' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL		Stud	4' 5"	7' 6"	8' 3"	9' 3"	9' 7"	11' 0"	14' 0"	14' 0"	14' 0"	14' 0"
12" o.c.	SPF	HF	Standard	4' 5"	6' 5"	6' 10"	8' 7"	11' 0"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"
	HF		#1	4' 10"	8' 0"	8' 4"	9' 10"	11' 3"	11' 9"	14' 0"	14' 0"	14' 0"	14' 0"
	SP		#2	4' 8"	7' 11"	8' 3"	9' 4"	9' 9"	11' 2"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL		#3	4' 7"	6' 10"	7' 3"	8' 1"	9' 8"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
12" o.c.	SPF	HF	Stud	4' 7"	6' 10"	7' 3"	8' 1"	9' 8"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	HF		#1 / #2	4' 5"	6' 0"	6' 5"	8' 0"	9' 8"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	SP		#3	5' 2"	8' 9"	9' 1"	10' 4"	11' 2"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL		Standard	4' 10"	8' 7"	8' 11"	10' 2"	10' 7"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
12" o.c.	SPF	HF	Standard	4' 10"	7' 5"	7' 11"	9' 11"	10' 7"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
	HF		#1	5' 4"	8' 10"	9' 2"	10' 5"	10' 10"	12' 5"	14' 0"	14' 0"	14' 0"	14' 0"
	SP		#2	5' 2"	8' 9"	9' 1"	10' 4"	11' 2"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL		#3	5' 0"	7' 10"	8' 4"	10' 3"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
12" o.c.	SPF	HF	Standard	5' 0"	7' 10"	8' 4"	10' 3"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
	HF		#3	4' 10"	6' 11"	7' 4"	9' 10"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"



Bracing Group Species and Grades:

Group A:	Group B:
Spruce-Pine-Fir #1 / #2 Standard #3 Standard	Hem-Fir #2 Stud #3 Standard
Douglas Fir-Larch #3 Stud Standard	Southern Pine #3 Stud Standard

Bracing Group Species and Grades:

Group A:	Group B:
Douglas Fir-Larch #1 Stud #2 Standard	Hem-Fir #1 & Btr #1
Southern Pine #1 Stud #2 Standard	Southern Pine #1 Stud #2 Standard

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 100 psf over continuous bearing (5 psf TC Dead Load).
 Gable end supports load from 4' 0" outliners with 2' 0" overhang, or 12' plywood overhang.

Attach 'L' braces with 10d (0.128"x30" 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.

Gable Vertical Plate Sizes

Vertical Length	No Splice
Less than 4' 0"	2X4
Greater than 4' 0", but less than 11' 6"	3X4
Greater than 11' 6"	4X4

+ Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.

514 Earth City Expressway
 Suite 242
 Earth City, MO 63045

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 525# at each end. Max web total length is 14'.

Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.

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For more information see this job's general notes page and these web sites: www.alpineinc.com www.tpi.org www.sbcas.com

MAX. TOT. LD. 60 PSF

MAX. SPACING 24'0"

Yoonhwak Kim, FL PE #86367

Yoonhwak Kim, FL PE #86367

STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 No. 86367

REF ASCE7-10-GAB14030
 DATE 10/01/14
 DRWG A14030ENC101014

CLR Reinforcing

Member Substitution

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

Notes:

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

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

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

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

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

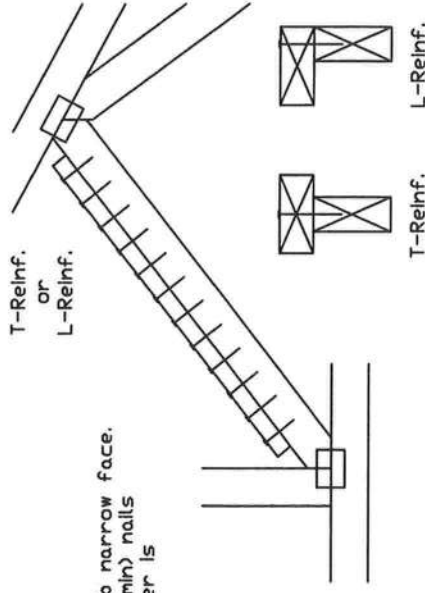
⊗ Center scab on wide face of web. Apply (1) scab to each face of web.

T-Reinforcement

or

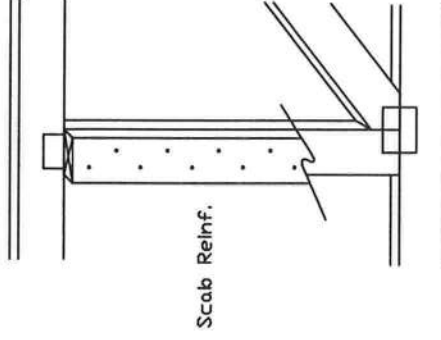
L-Reinforcement:

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



Scab Reinforcement:

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



IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING. FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS. Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, by TPI and SCSA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. If bracing is not provided, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 18.17 or 18.18. Refer to drawings 150M-2 for standard plate positions. Refer to drawings 150M-2 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, or bracing of trusses. A seal on this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of the 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: 04/2020 ALPINE: www.alpinetpi.com TPI: www.tpiinc.org SCSA: www.scsa-usa.org



514 Earth City Expressway
Suite 242
Earth City, MO 63045

TC LL	PSF	REF	CLR Subst.
TD DL	PSF	DATE	01/02/19
BC DL	PSF	DRWG	BRCLBSUB0119
BC LL	PSF		
TD. LD.	PSF		
DUR. FAC.			
SPACING			

Yoonhwak Kim, FL PE #86367

Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

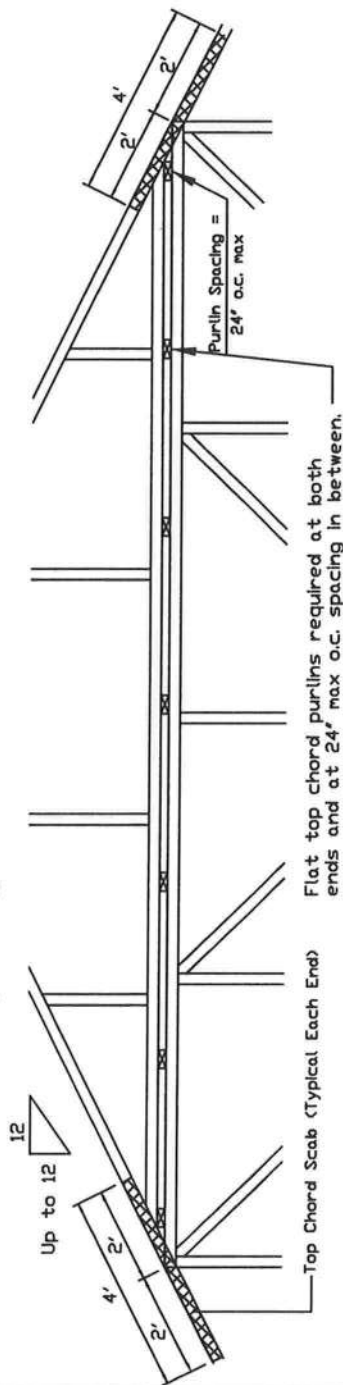
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp C, Wind Dir = 5.0 dsf (min), Kzt=1.0, Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp D, Wind Dir = 5.0 dsf (min), Kzt=1.0.

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 piggback and base truss specifications.

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

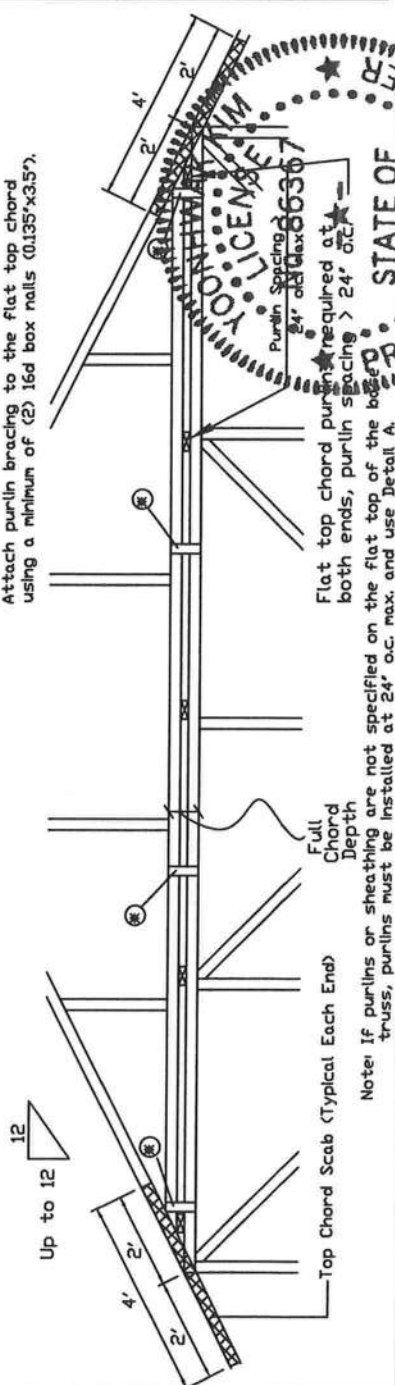


Pliggyback cap truss slant nailed to all top chord
purlin bracing with (2) 16d box nails (0.135"x3.5")
and secure top chord with 2x4 #3 grade scab
(1 side only at each end) attached with
2 rows of 10d box nails (0.128"x3") at 4" o.c.

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 TruLok plate attached with (8) 0120"x1.375" nails, (4) into cap TC & (4) into base truss TC on back wave plygback plate plated to the plygback truss TC & attached to the base truss TC with (4) 0120"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").

✎ 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) #10-20x1-3/8" nails into cap bottom chord and (4) nails 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

The 2BPB wave plysback plate to each face of 8" o.c. Attach teeth to plysback at time of fabrication. Attach to supporting truss with 1/4" x 120" x 1.375" nails per face per ply. Plysback plates may be staggered 4' o.c. front to back faces.

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

Full
Chord
Depth

Top Chord Scab (Typical Each End)

IMPORTANT—FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Glazing Component Safety Information, by TPI and SBCIA for complete instructions regarding safe truss erection and bracing practices. Trussing must be done in accordance with the following instructions:

Trusses noted otherwise, top chord shall have properly attached permanent lateral restraint or bracing installed per BCSI sections E2, E7 or E10, as applicable. Apply plates to each face of the truss at the locations shown for permanent lateral restraint.

Trusses shall have a properly attached lip ceiling. Locations shown for permanent lateral restraint or bracing installed per BCSI sections E2, E7 or E10, as applicable. Apply plates to each face of the truss at the locations shown for permanent lateral restraint.

Trusses shall have bracing installed per BCSI section E6 and on the joint above and below the glazing opening. Refer to drawing 1504-1 for details.

Alpha, a division of ITV 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, or erection of the truss.

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/PTI 1 Sec-2

For more information see this job's general notes page and these web sites: www.mcafee.com and www.mcafee.com

ALPINE
AN ITW COMPANY

ALEXANDER

Suite 242

Earth City, MO 63045

For more information see this job's general notes page and these web sites:
ALPINE: www.alphinetw.com TPI: www.tolinst.com SBCA: www.sbcadistroy.com ITC: www.itc.com 04/2020

7 #0783

FLORIDA PROFESSIONAL ENGINEERING

REF	PIGGYBACK
DATE	10/01/14
DRWG	PB160101014

Valley Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

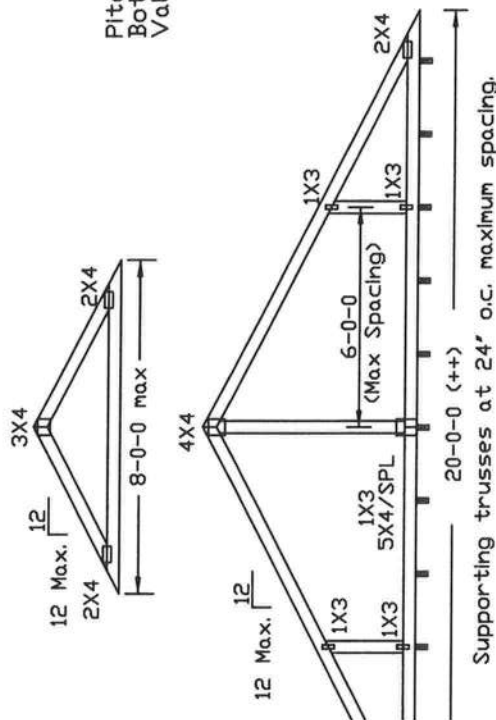
Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

*** Attach each valley to every supporting truss with:
(2) 16d box (0.135" x 3.5") nails toe-nailed for
ASCE 7-10 160 mph, 30' Mean Height, Enclosed
Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00
Or
ASCE 7-10 140 mph, 30' Mean Height, Enclosed
Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord 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 ITW BCG Wave Plates.



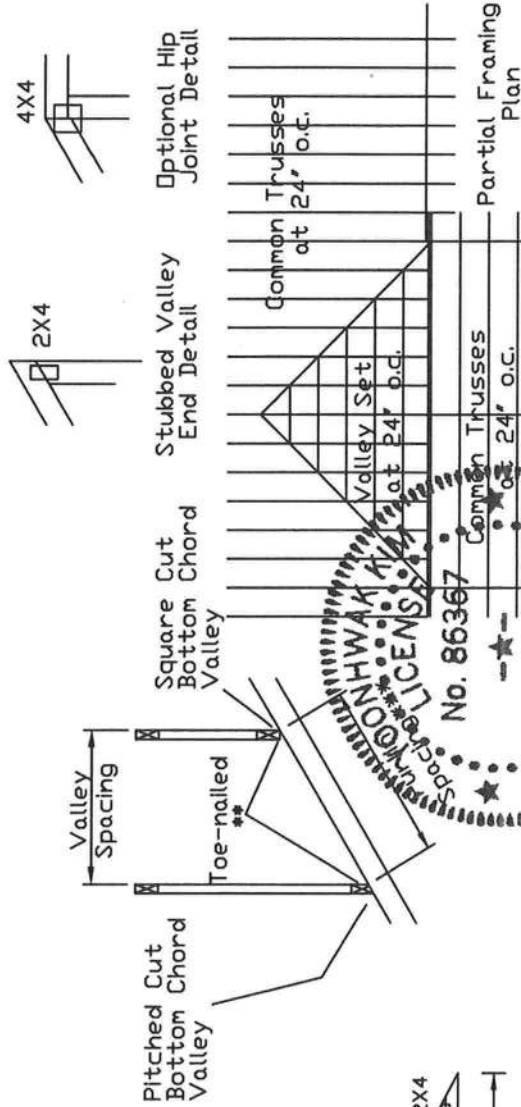
Unless specified otherwise on engineer's sealed design, for vertical
valley webs taller than 7'-9" apply 2x4 "T" reinforcement, 80% length of
web, same species and grade or better, attached with 10d box
(0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous
Lateral Restraint applied 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".



VARIOUS: READ AND FOLLOW ALL NOTES ON THIS DRAWING
IMPORTANT: FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and
follow the latest edition of BCSI Guiding Component Safety Information, by TPI and SBCA for safety
practices. Truss installers shall provide temporary bracing per BCSI
Unless noted otherwise, top chord shall have provisions shown for permanent lateral restraint of
truss and position as shown above and on the Joint Details. Apply plates to each face
Refer to drawings 104-2 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,
installing, bracing or covering the truss.
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 Sec2.
For more information see this job's general notes page and these web pages:
ALPINE: www.alpineinc.com TPI: www.tpiinc.com SBCA: www.sbcainc.com ICD: www.icdinc.com

REF	VALLEY DETAIL
DATE	10/01/2014
DRWG	VAL160101014
40PSF	30
7PSF	15
10PSF	10
0PSF	0
TOT. LD.	60
55	57PSF
DUR.FAC.	1.25/1.33
1.15	1.15
SPACING	24.0'

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