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

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Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4243
Job Description: LOT 18 WINGATE ESTATES	
Address: 310 11th St. SW, LAKE CITY, FL 32024	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	IntelliVIEW Version: 19.02.02B JRef #: 1WV62150005
Wind Standard: ASCE 7-10 Wind Speed (mph): 130	Roof Load (psf): 20.00-10.00- 0.00-10.00 Floor Load (psf): None
Building Type: Closed	

This package contains general notes pages, 35 truss drawing(s) and 4 detail(s).

Item	Drawing Number	Truss
1	133.20.0846.02903	A01
3	133.20.0846.37583	B01
5	133.20.0846.46960	B02
7	133.20.0846.53340	B04
9	133.20.0846.58787	B06
11	133.20.0847.03640	B08
13	133.20.0847.12283	B10
15	133.20.0847.30127	B12
17	133.20.0847.53913	C02
19	133.20.0848.00967	D01
21	133.20.0848.05923	D03
23	133.20.0848.10760	J02
25	133.20.0848.13380	J04
27	133.20.0848.17513	J05
29	133.20.0848.47720	J07
31	133.20.0848.50797	J09
33	133.20.0848.55487	P01
35	133.20.0848.59607	P03
37	A14015ENC101014	
39	BRCLBSUB0119	

Item	Drawing Number	Truss
2	133.20.0846.05083	A02
4	133.20.0846.43897	B1A
6	133.20.0846.51093	B03
8	133.20.0846.56477	B05
10	133.20.0847.01360	B07
12	133.20.0847.10103	B09
14	133.20.0847.14673	B11
16	133.20.0847.51190	C01
18	133.20.0847.56900	C03
20	133.20.0848.04340	D02
22	133.20.0848.09560	J01
24	133.20.0848.12117	J03
26	133.20.0848.14440	J4A
28	133.20.0848.45297	J06
30	133.20.0848.49347	J08
32	133.20.0848.52000	J10
34	133.20.0848.57170	P02
36	PB160101014	
38	GBLLETIN0118	

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.

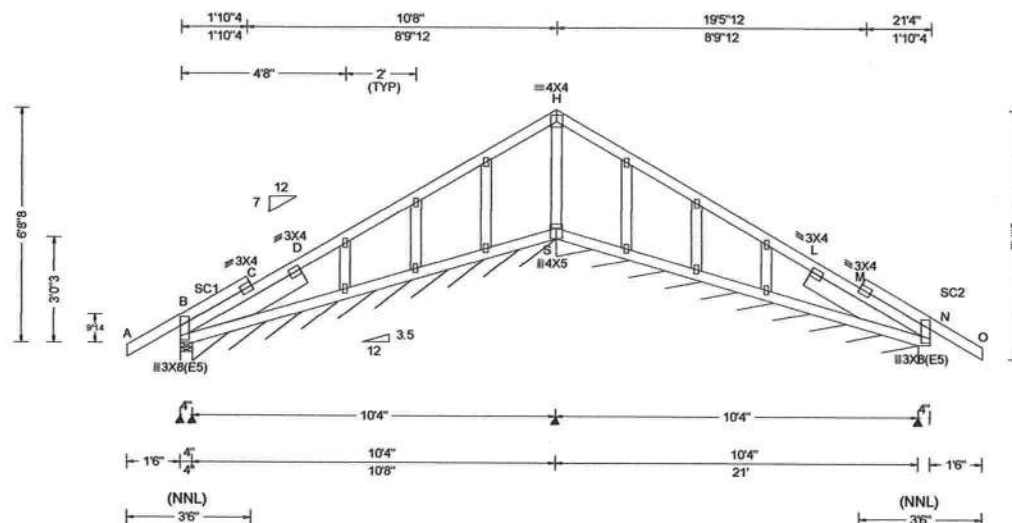
Refer to ASCE-7 for Wind and Seismic abbreviations.

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.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; 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: 316061 FROM: CDM	GABL Qty: 1	Ply: 1 Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: A01	Cust: R 215 JRef: 1WV62150005 T38 DrwNo: 133.20.0846.02903 / YK 05/12/2020
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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: 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 Code / Misc Criteria Bldg 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): 0.018 C 999 240 VERT(CL): 0.038 C 999 180 HORZ(LL): 0.011 C - - HORZ(TL): 0.024 C - - Creep Factor: 2.0 Max TC CSI: 0.209 Max BC CSI: 0.199 Max Web CSI: 0.045 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ /R- /Rh /Rw /U /RL B 303 /- /- /158 /67 /205 B* 74 /- /- /60 /11 /- S* 90 /- /- /65 /24 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 B Brg Width = 124 Min Req = - S Brg Width = 124 Min Req = - Bearings B, B, & S are a rigid surface. Members not listed have forces less than 375#

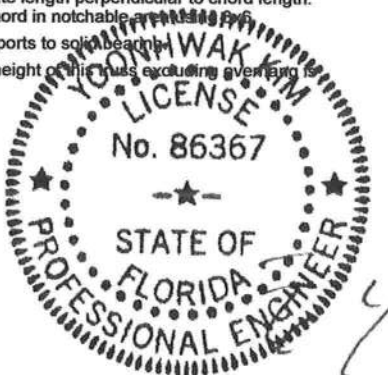
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;
Lt Slider: 2x6 SP 2400f-2.0E; block length = 3.678'
Rt Slider: 2x6 SP 2400f-2.0E; block length = 3.678'

Plating Notes
All plates are 1.5X3 except as noted.

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

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

Additional Notes
Refer to General Notes for additional information
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 at least 6" from interface.
Shim all supports to solid bearing.
The overall height of this truss, excluding overhang, is 6'-8".

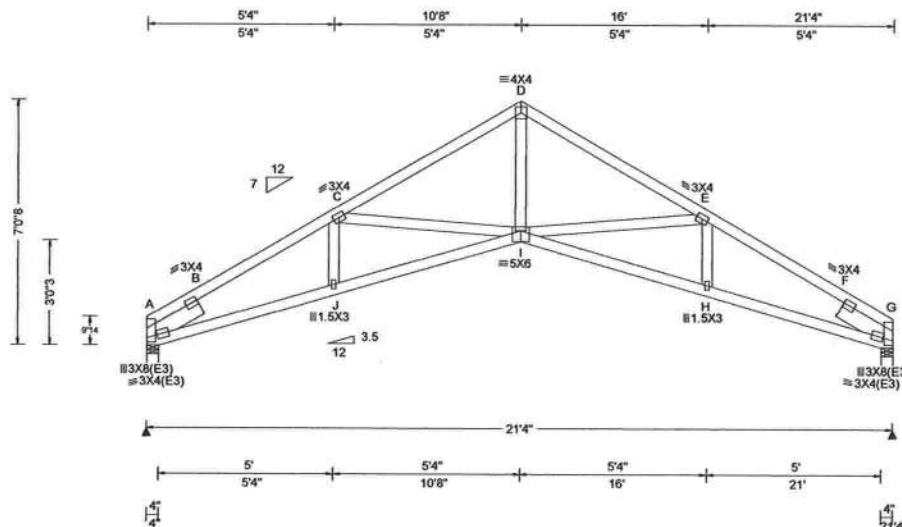


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****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing 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 this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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SEQN: 316062 FROM: CDM	SPEC Ply: 1 Qty: 4	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: A02	Cust: R215 JRef: 1WV62150005 T14 DrwNo: 133.20.0846.05083 / YK 05/12/2020
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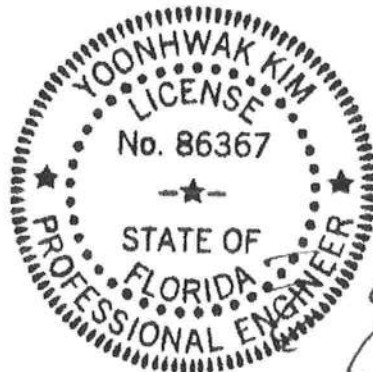


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: 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 Code / Misc Criteria Bldg 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): 0.123 I 999 240 VERT(CL): 0.259 I 987 180 HORZ(LL): 0.104 H - - HORZ(TL): 0.219 H - - Creep Factor: 2.0 Max TC CSI: 0.477 Max BC CSI: 0.573 Max Web CSI: 0.453 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 896 /- /- /506 /142 /158 G 896 /- /- /506 /142 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 G Brg Width = 4.0 Min Req = 1.5 Bearings A & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 516 -2111 D - E 401 -1630 B - C 531 -2047 E - F 531 -2047 C - D 401 -1630 F - G 516 -2111

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.756'
Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.756'

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 7'-0".



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Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - J	1745 -396	I - H	1764 -390
J - I	1764 -390	H - G	1745 -396

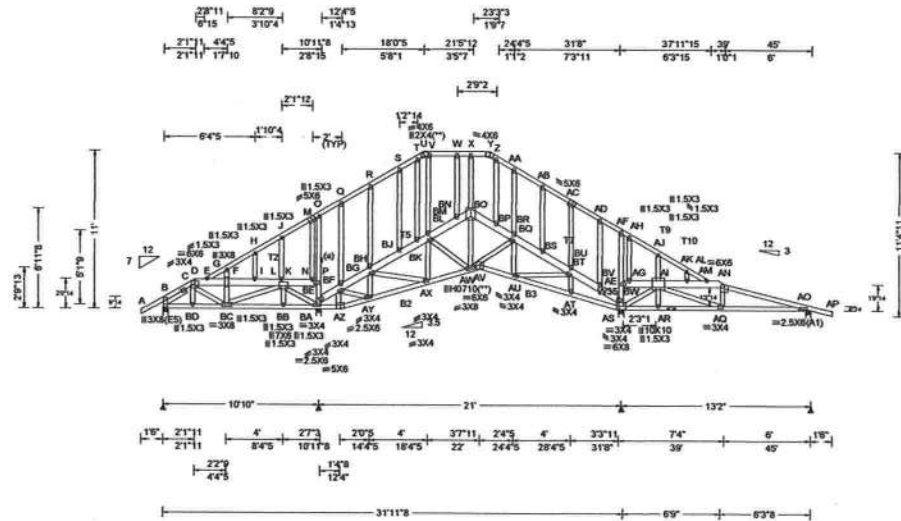
Maximum Web Forces Per Ply (lbs)	
Webs	Tens.Comp.
D - I	1190 -253

****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.

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

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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: 0 to h/2 C&C Dist a: 4.50 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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.159 AV 999 240 VERT(CL): 0.322 AV 783 180 HORZ(LL): 0.152 AF - - HORZ(TL): 0.308 AF - - Creep Factor: 2.0 Max TC CSI: 0.887 Max BC CSI: 0.988 Max Web CSI: 0.962 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 653 /- /- /- /139 /- BA 2654 /- /- /- /465 /- AS 2658 /- /- /- /469 /- AO 1077 /- /- /- /215 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 BA Brg Width = 4.0 Min Req = 1.8 AS Brg Width = 4.0 Min Req = 2.2 AO Brg Width = 4.0 Min Req = 1.5 Bearings B, BA, AS, & AO are a rigid surface. Members not listed have forces less than 375#

Lumber
Top chord: 2x4 SP #2; T2,T5,T7,
T10 2x6 SP 2400f-2.0E; T9 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B2,B3 2x4 SP #2;
Webs: 2x4 SP #3; W35 2x4 SP M-31;
Lt Slider: 2x4 SP #3; block length = 1.839'

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

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

TC: From 63 plf at -1.50 to 63 plf at 17.45	TC: From 61 plf at 17.45 to 61 plf at 23.27
TC: From 63 plf at 23.27 to 63 plf at 39.00	TC: From 61 plf at 39.00 to 61 plf at 46.50
BC: From 5 plf at -1.50 to 5 plf at 0.00	BC: From 20 plf at 0.00 to 20 plf at 12.33
BC: From 21 plf at 12.33 to 21 plf at 31.67	BC: From 20 plf at 31.67 to 20 plf at 45.00
BC: From 4 plf at 45.00 to 4 plf at 46.50	
TC: 380 lb Conc. Load at 7.03,37.97	TC: 179 lb Conc. Load at 9.06,33.94,35.94
TC: 186 lb Conc. Load at 10.60,32.06	BC: 408 lb Conc. Load at 7.03,37.97
BC: 125 lb Conc. Load at 9.06,33.94,35.94	BC: 127 lb Conc. Load at 10.60,32.06

Plating Notes
All plates are 2X4 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 and reactions based on MWFRS.

Additional Notes
Refer to General Notes for additional information
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 the truss excluding overhangs is 11'-0".



Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	123 -683	AA-AB	389 -69
C - D	103 -630	AB-AC	378 -64
D - E	197 -1189	AE-AG	98 -521
E - F	385 -62	AF-AH	669 -119
E - G	235 -1464	AG-AI	99 -528
G - I	239 -1476	AH-AJ	419 -69
H - J	474 -81	AI-AK	495 -3013
I - K	241 -1487	AJ-AL	383 -66
J - M	447 -82	AK-AM	490 -2995
K - L	244 -1495	AM-AN	467 -2762
M - O	577 -103	AN-AO	502 -2849
Q - R	415 -74		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - BD	503 -82	AV-AU	1483 -293
BD-BC	506 -84	AU-AT	1007 -204
BC-BB	1091 -182	AT-AS	955 -194
BB-BA	1091 -182	AS-AR	1779 -319
AY-AX	1220 -238	AR-AQ	1778 -319
AX-AW	1358 -265	AQ-AO	2715 -469
AW-AV	1309 -260		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - BC	860 -143	BO-AW	1275 -205
J - K	111 -384	BO-BP	289 -1550
L - BA	254 -1575	AW-BR	95 -488
BA-BE	271 -1194	BP-BQ	313 -1642
O - P	163 -741	BQ-BR	336 -1704

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



SEQN: 316063	SPEC	Ply: 1	Job Number: 20-4243	Cust: R215 JRef: 1WV62150005 T3
FROM: CDM		Qty: 1	LOT 18 WINGATE ESTATES	DrwNo: 133.20.0846.37583
Page 2 of 2			Truss Label: B01	/ YK 05/12/2020

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

P-BE	177	-675	BR-BS	353	-1925
BE-BF	102	-553	AU-BU	524	-95
BF-BG	272	-1446	BS-BT	374	-1978
BF-AY	1167	-213	BT-BU	395	-2014
BG-BH	280	-1550	BU-BV	283	-1541
AY-BH	154	-579	BV-BW	273	-1440
BH-BJ	341	-1827	AS-BW	344	-1584
BJ-BK	327	-1801	AS-AI	306	-1811
BK-BL	312	-1746	AE-BW	207	-891
BL-BM	331	-1687	AE-AF	233	-1085
BM-BN	300	-1576	AI-AQ	1031	-151
BN-BO	288	-1560			



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

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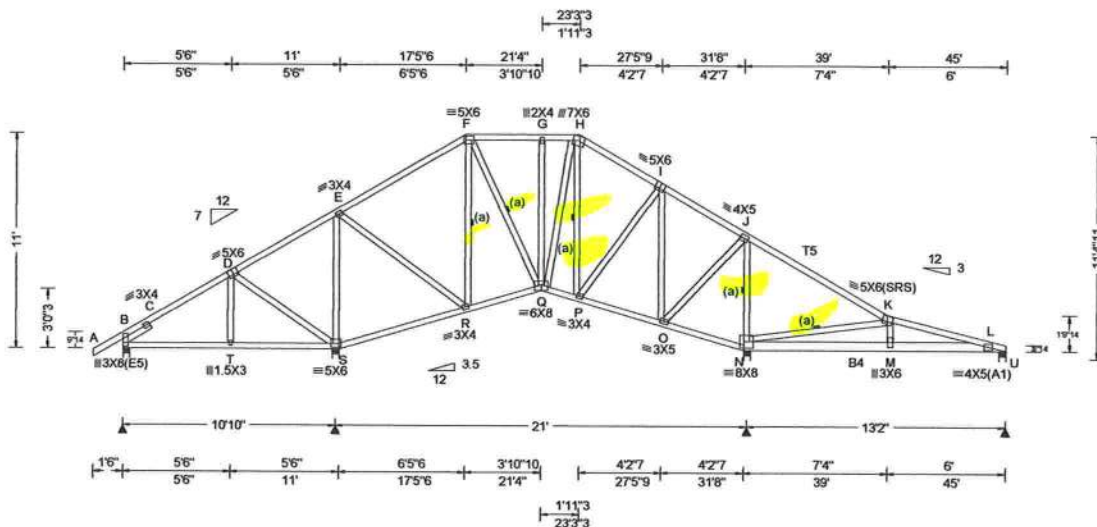
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316084 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: B1A	Cust: R215 JRef: 1WV62150005 T18 DrwNo: 133.20.0846.43897 / YK 05/12/2020
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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: 0 to h/2 C&C Dist a: 4.50 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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.051 M 999 240 VERT(CL): 0.103 M 999 180 HORZ(LL): 0.018 C - - HORZ(TL): 0.037 C - - Creep Factor: 2.0 Max TC CSI: 0.673 Max BC CSI: 0.382 Max Web CSI: 0.896 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 417 -/-/-/- /110 -/- S 1207 -/-/-/- /206 -/- N 2457 -/-/-/- /455 -/- U 691 -/-/-/- /140 -/- Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 S Brg Width = 4.0 Min Req = 1.5 N Brg Width = 4.0 Min Req = 2.0 U Brg Width = 4.0 Min Req = 1.5 Bearings B, S, N, & U are a rigid surface. Members not listed have forces less than 375#

Lumber
Top chord: 2x4 SP #2; T5 2x4 SP M-31;
Bot chord: 2x4 SP #2; B4 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.64'

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

Special Loads
——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.50 to 63 plf at 17.45
TC: From 61 plf at 17.45 to 61 plf at 23.27
TC: From 63 plf at 23.27 to 63 plf at 39.00
TC: From 61 plf at 39.00 to 61 plf at 45.00
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 11.00
BC: From 21 plf at 11.00 to 21 plf at 31.67
BC: From 20 plf at 31.67 to 20 plf at 45.00
BC: 314 lb Conc. Load at 38.94, 40.94, 42.94

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

Wind
Wind loads and reactions based on MWFRS.

Additional Notes
Refer to General Notes for additional information
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 11-0-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

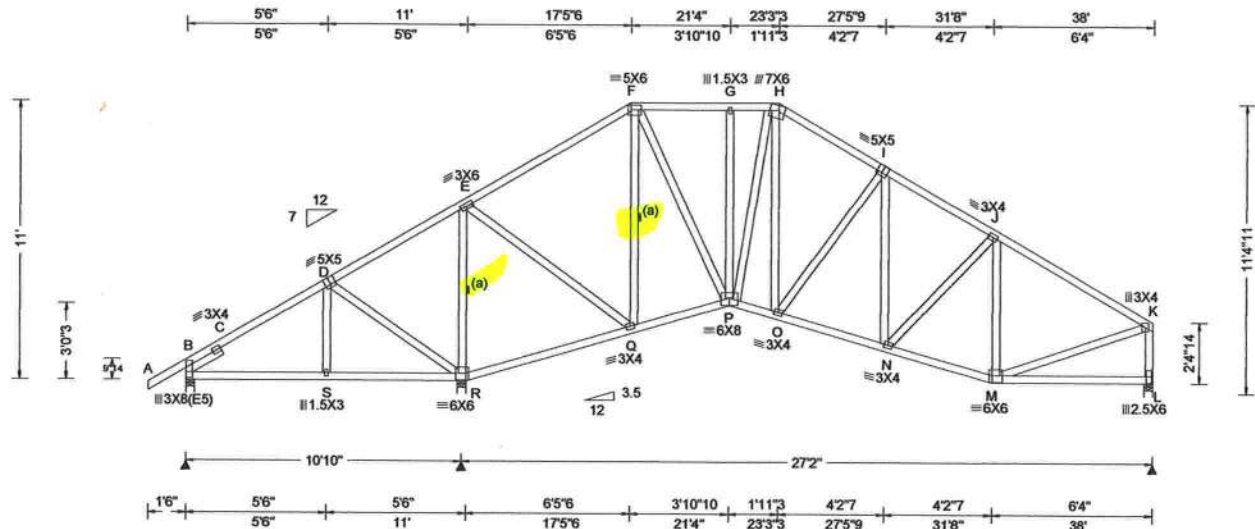
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
P - O	73 -423	N - M	784 -154
O - N	216 -1214	M - L	867 -160

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
D - S	73 -432	O - J	1090 -195
E - S	219 -781	N - J	384 -1637
P - H	144 -506	N - K	358 -1954
P - I	606 -114	K - M	843 -60
I - O	227 -938		

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ALPINE
AN ITW COMPANY
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SEQN: 316065 FROM: CDM	COMN Qty: 3	Ply: 1 Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: B02	Cust: R 215 JRef: 1WV62150005 T23 DrwNo: 133.20.0846.46960 / YK 05/12/2020
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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: 0 to h/2 C&C Dist a: 3.80 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 Code / Misc Criteria Bldg 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): 0.039 O 999 240 VERT(CL): 0.082 O 999 180 HORZ(LL): 0.022 L - - HORZ(TL): 0.046 L - - Creep Factor: 2.0 Max TC CSI: 0.601 Max BC CSI: 0.326 Max Web CSI: 0.406 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 381 - / - / 238 / 76 / 278 R 1844 - / - / 1115 / 295 - L 1054 - / - / 655 / 176 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 R Brg Width = 4.0 Min Req = 2.2 L Brg Width = 4.0 Min Req = 1.5 Bearings B, 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.

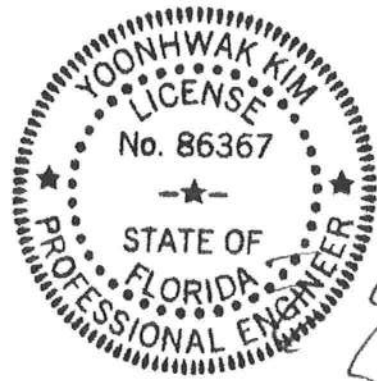
Lumber	Maximum Bot Chord Forces Per Ply (lbs)
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x4 SP #3; block length = 1.64'	Chords Tens.Comp. Chords Tens. Comp. Q - P 507 -36 O - N 987 -172 P - O 830 -57 N - M 956 -236

Bracing	Maximum Web Forces Per Ply (lbs)
(a) Continuous lateral restraint equally spaced on member.	Chords Tens.Comp. Chords Tens. Comp. D - R 192 -438 F - P 660 -127 E - R 389 -1396 M - J 156 -438 E - Q 944 -139 M - K 932 -226 F - Q 135 -664 K - L 303 -996

Purlins	Maximum Top Chord Forces Per Ply (lbs)
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.	Chords Tens.Comp. Chords Tens. Comp.

Wind	Maximum Bot Chord Forces Per Ply (lbs)
Wind loads based on MWFRS with additional C&C member design. Right end vertical not exposed to wind pressure.	Chords Tens.Comp. Chords Tens. Comp.

Additional Notes	Maximum Web Forces Per Ply (lbs)
Refer to General Notes for additional information The overall height of this truss excluding overhang is 11'-0".	Chords Tens.Comp. Chords Tens. Comp.

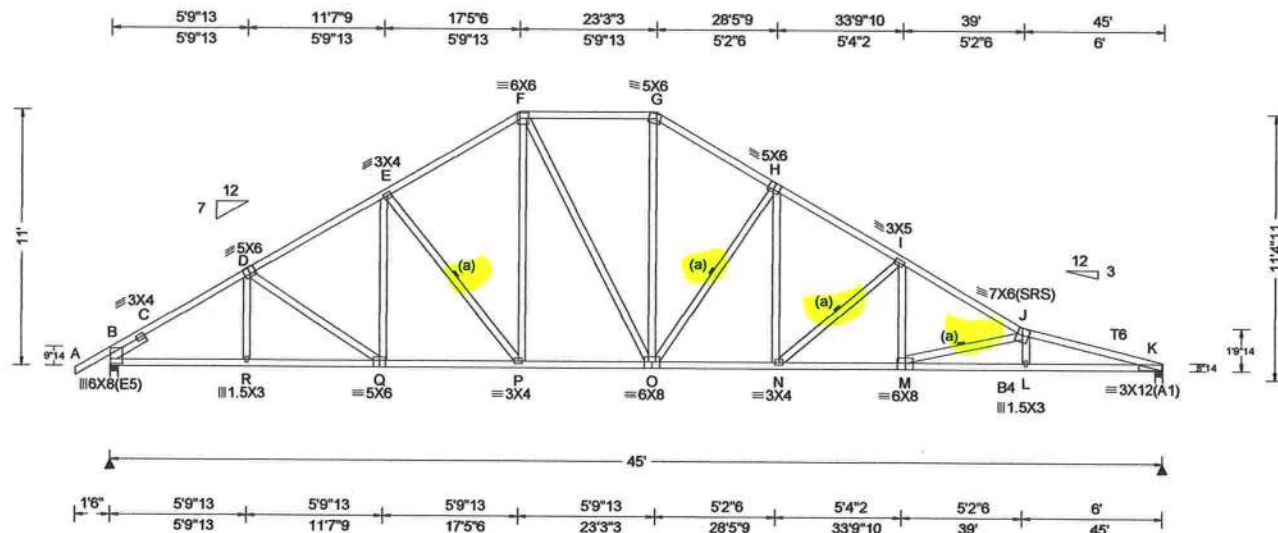


FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

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ALPINE
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Orlando FL, 32821

SEQN: 316066 FROM: CDM	SPEC Qty: 3	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: B03	Cust: R215 JRef: 1WV62150005 T27 DrwNo: 133.20.0846.51093 / YK 05/12/2020
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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: 0 to h/2 C&C Dist a: 4.50 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 Code / Misc Criteria Bldg 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): 0.363 M 999 240 VERT(CL): 0.745 M 722 180 HORZ(LL): 0.113 F - - HORZ(TL): 0.232 F - - Creep Factor: 2.0 Max TC CSI: 0.660 Max BC CSI: 0.856 Max Web CSI: 0.634 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1959 - / - / - /1167 /339 /313 K 1854 - / - / - /1051 /319 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.3 K Brg Width = 4.0 Min Req = 1.5 Bearings B & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 895 -2971 G - H 867 -2327 C - D 867 -2913 H - I 1027 -3039 D - E 864 -2650 I - J 1319 -4083 E - F 829 -2249 J - K 2199 -6343 F - G 795 -1950

Lumber
Top chord: 2x4 SP #2; T6 2x4 SP M-31;
Bot chord: 2x4 SP #2; B4 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.738'

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.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Refer to General Notes for additional information

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	2415 -596	O - N	2522 -592
R - Q	2412 -596	N - M	3426 -957
Q - P	2210 -479	M - L	6115 -2076
P - O	1858 -319	L - K	6117 -2074

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - P	262 -570	H - N	885 -299
F - P	565 -186	N - I	479 -1179
O - G	794 -276	I - M	943 -324
O - H	431 -1032	M - J	1152 -2760

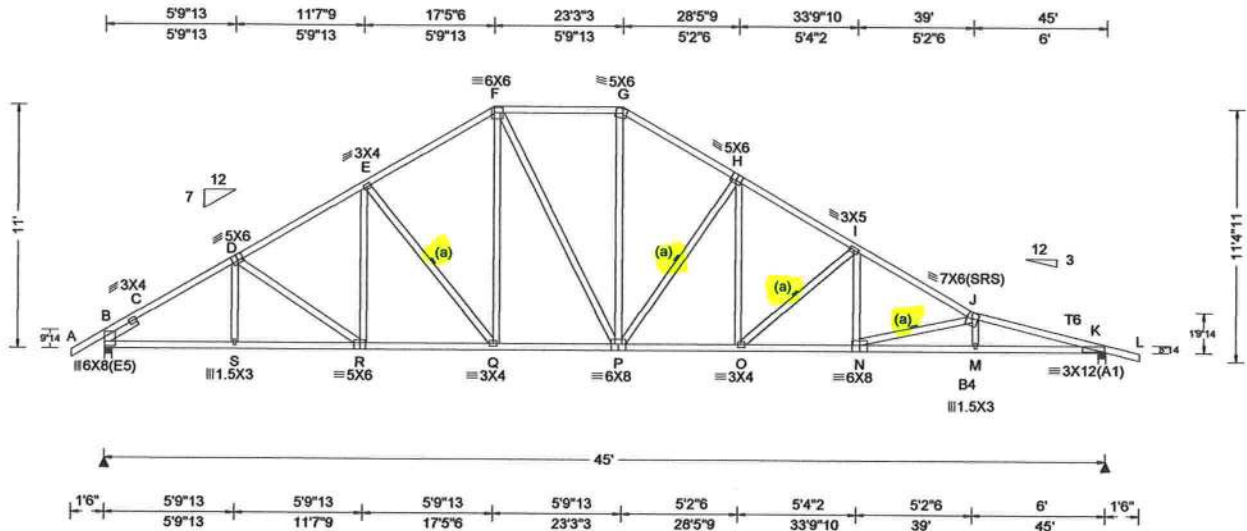
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Orlando FL, 32821

SEQN: 316067 FROM: CDM	SPEC Qty: 4	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: B04	Cust: R215 JRef: 1WV62150005 T30 DrwNo: 133.20.0846.53340 / YK 05/12/2020
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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): 0.364 N 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.742 N 725 180	B 1957 /- /- /1166 /339 /319
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.113 F - -	K 1953 /- /- /1112 /347 /-
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria	HORZ(TL): 0.231 F - -	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B Brg Width = 4.0 Min Req = 2.3
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.748	K Brg Width = 4.0 Min Req = 1.6
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.859	Bearings B & K are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.623	Members not listed have forces less than 375#
	C&C Dist a: 4.50 ft			Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: Any			Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18			
	Wind Duration: 1.60			

Lumber
Top chord: 2x4 SP #2; T6 2x4 SP M-31;
Bot chord: 2x4 SP #2; B4 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.738'

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.

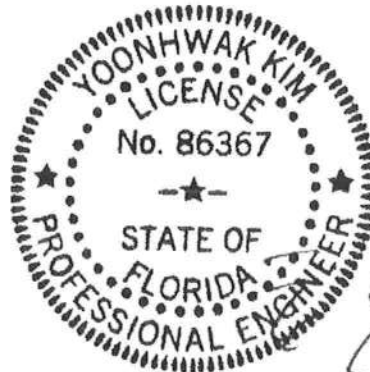
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Refer to General Notes for additional information

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	2413 - 576	P - O	2515 - 571
S - R	2410 - 577	O - N	3413 - 933
R - Q	2207 - 460	N - M	6054 - 2027
Q - P	1855 - 300	M - K	6055 - 2024

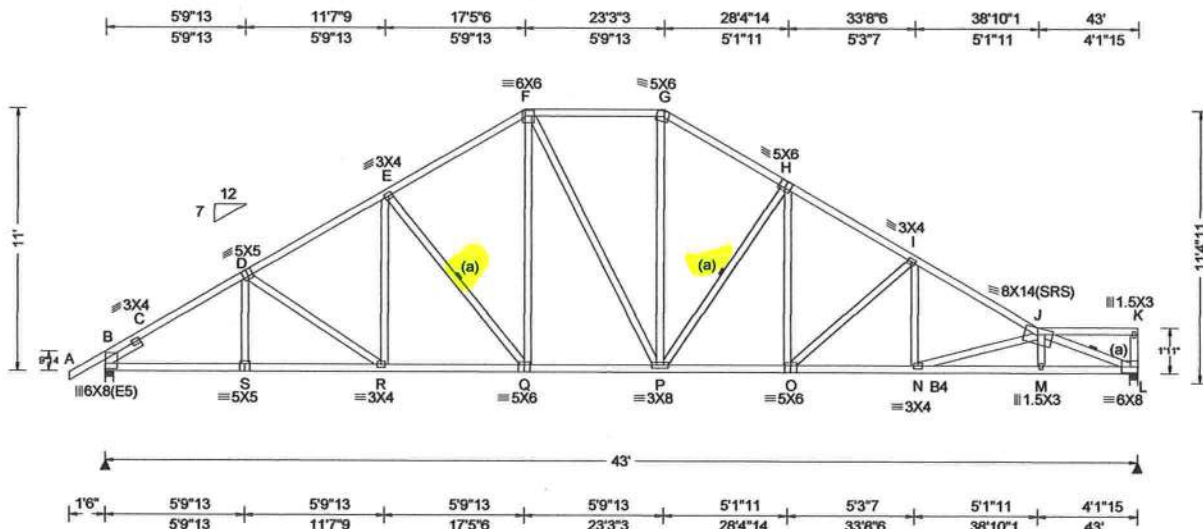
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - Q	262 - 571	H - O	879 - 296
F - Q	565 - 187	O - I	474 - 1170
P - G	792 - 275	I - N	931 - 318
P - H	428 - 1026	N - J	1126 - 2711

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SEQN: 316068 FROM: CDM	SPEC Qty: 1	Ply: 1 Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: B05	Cust: R215 JRef: 1WV62150005 T13 DrwNo: 133.20.0846.56477 / YK 05/12/2020
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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: 0 to h/2 C&C Dist a: 4.30 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 Code / Misc Criteria Bldg 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): 0.214 O 999 240 VERT(CL): 0.442 O 999 180 HORZ(LL): 0.076 L - - HORZ(TL): 0.158 L - - Creep Factor: 2.0 Max TC CSI: 0.553 Max BC CSI: 0.709 Max Web CSI: 0.878 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1891 /- /- /1130 /325 /288 L 1786 /- /- /1004 /306 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.2 L Brg Width = 4.0 Min Req = 1.5 Bearings B & 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 834 -2852 F - G 717 -1800 C - D 807 -2794 G - H 777 -2153 D - E 799 -2525 H - I 869 -2715 E - F 761 -2120 I - J 990 -3410

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B4 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.738'

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.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 11'-0".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	2315 -650	P - O	2250 -559
S - R	2312 -650	O - N	2866 -791
R - Q	2102 -526	N - M	4114 -1169
Q - P	1747 -364	M - L	4118 -1166

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - Q	262 -574	O - I	307 -810
F - Q	566 -187	I - N	529 -112
P - G	700 -231	N - J	392 -1285
P - H	330 -822	J - L	1241 -4387
H - O	645 -188		

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

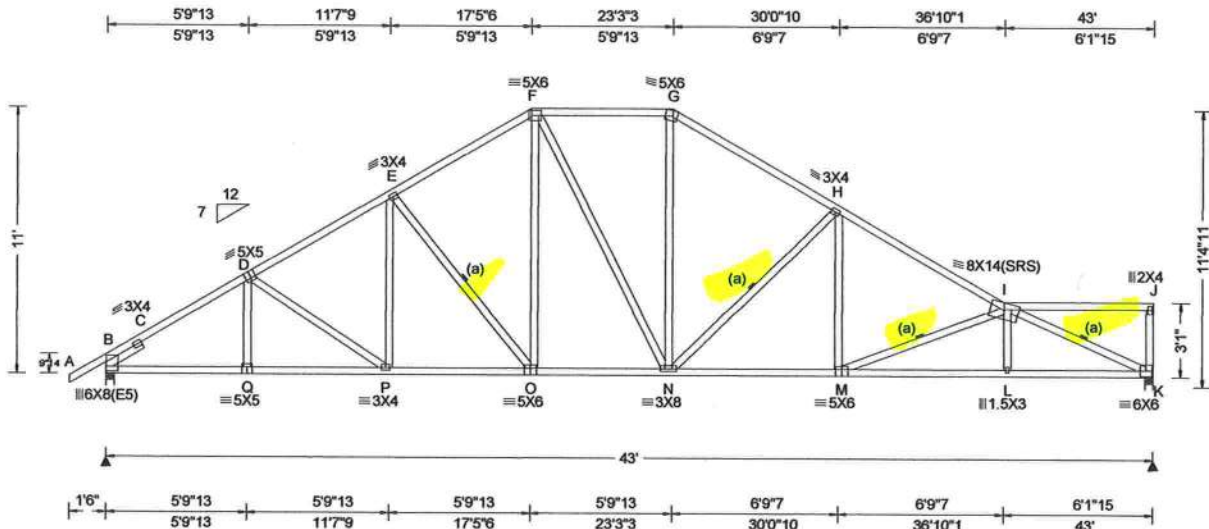
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316069 FROM: CDM	SPEC Qty: 1	Ply: 1 Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: B06	Cust: R215 JRef: 1WV62150005 T29 DwnNo: 133.20.0846.58787 / YK 05/12/2020
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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: 0 to h/2 C&C Dist a: 4.30 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 Code / Misc Criteria Bldg 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): 0.208 M 999 240 VERT(CL): 0.429 M 999 180 HORZ(LL): 0.084 K - - HORZ(TL): 0.174 K - - Creep Factor: 2.0 Max TC CSI: 0.953 Max BC CSI: 0.905 Max Web CSI: 0.987 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1891 /- /- /1134 /324 /277 K 1786 /- /- /974 /311 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.2 K Brg Width = 4.0 Min Req = 2.1 Bearings B & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 830 -2852 F - G 715 -1804 C - D 803 -2794 G - H 767 -2196 D - E 796 -2525 H - I 879 -2940 E - F 758 -2120

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.738'

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.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 11'-0".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

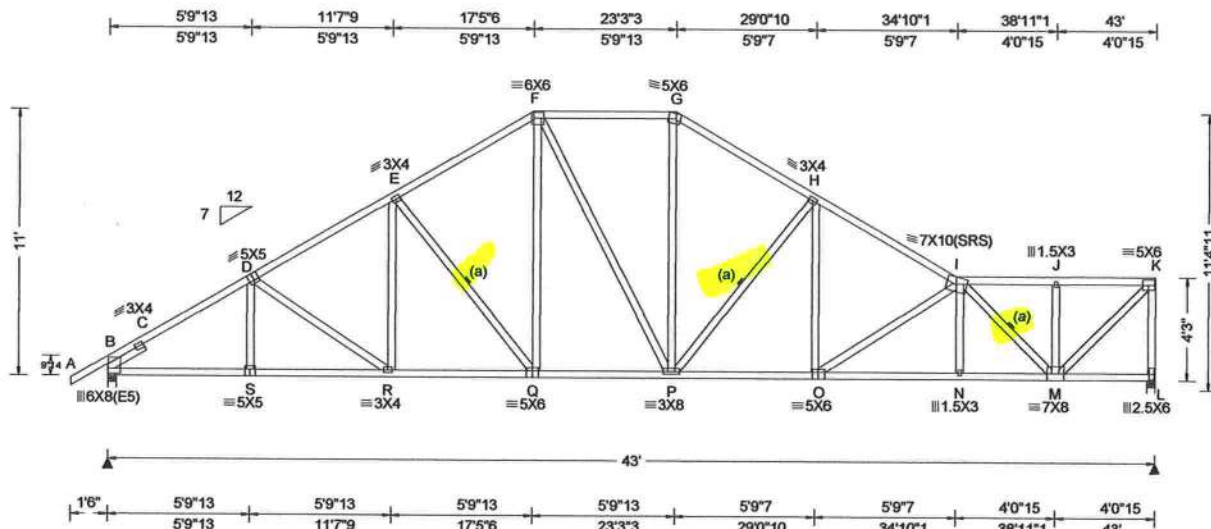
Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q	2315 -691	N - M	2449 -678
Q - P	2312 -691	M - L	3400 -979
P - O	2102 -567	L - K	3406 -978
O - N	1747 -405		

Webs	Tens.Comp.	Webs	Tens. Comp.
E - O	262 -576	H - M	538 -104
F - O	563 -189	M - I	323 -1011
N - G	669 -208	I - K	1061 -3706
N - H	366 -920		

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

SEQN: 316070 FROM: CDM	SPEC Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: B07	Cust: R215 JRef: 1WV62150005 T32 DrwNo: 133.20.0847.01360 / YK 05/12/2020
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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: 0 to h/2 C&C Dist a: 4.30 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 Code / Misc Criteria Bldg 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): 0.174 O 999 240 VERT(CL): 0.360 O 999 180 HORZ(LL): 0.071 L - - HORZ(TL): 0.146 L - - Creep Factor: 2.0 Max TC CSI: 0.553 Max BC CSI: 0.760 Max Web CSI: 0.896 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1891 - / - / 1139 / 322 / 267 L 1786 - / - / 946 / 316 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.2 L Brg Width = 4.0 Min Req = 2.1 Bearings B & 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 825 -2852 G - H 767 -2170 C - D 799 -2794 H - I 858 -2796 D - E 792 -2525 I - J 511 -1694 E - F 754 -2120 J - K 511 -1694 F - G 710 -1801

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.738'

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.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 11'-0".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	2315 -730	P - O	2326 -665
S - R	2312 -731	O - N	3019 -902
R - Q	2102 -607	N - M	3022 -901
Q - P	1747 -446		

Maximum Web Forces Per Ply (lbs)

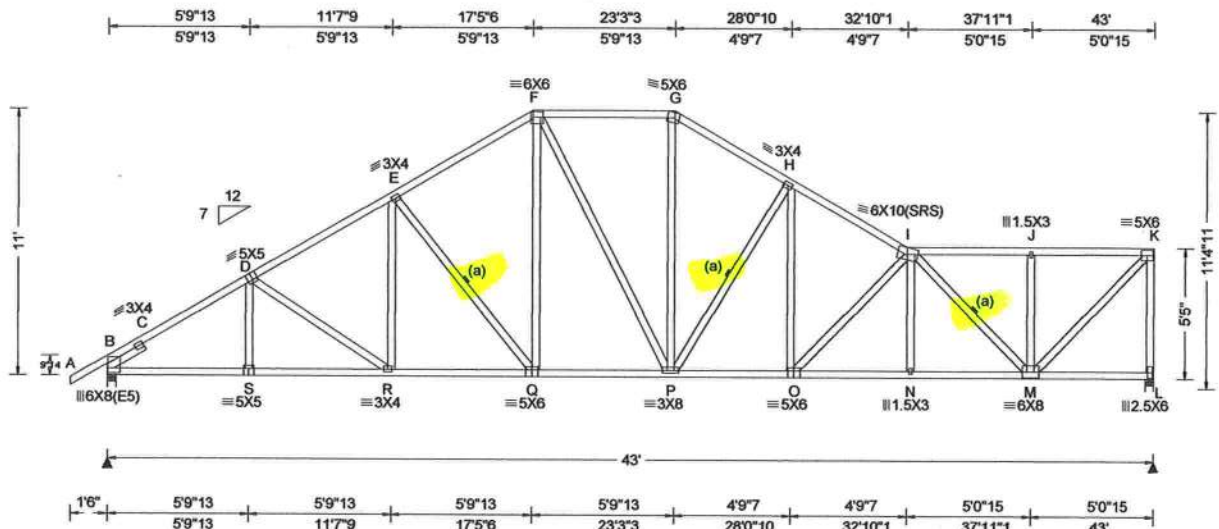
Webs	Tens.Comp.	Webs	Tens. Comp.
E - Q	262 -575	O - I	284 -823
F - Q	565 -187	I - M	542 -1847
P - G	690 -220	M - K	2352 -709
P - H	336 -858	K - L	548 -1747
H - O	596 -143		

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ALPINE
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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): 0.167 O 999 240		Loc	R+	R-	/ Rh	/ Rw	/ U	/ RL	
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.345 O 999 180		B	1891	/-	/-	/1146	/319	/258	
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.066 M - -		L	1786	/-	/-	/920	/322	/-	
Des Ld: 40.00		EXP: C Kzt: NA		Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE		HORZ(TL): 0.137 M - -		Wind reactions based on MWFRS							
NCBCLL: 0.00		Mean Height: 15.00 ft				Creep Factor: 2.0		B		Brg Width = 4.0		Min Req = 2.2			
Soffit: 2.00		TCDL: 5.0 psf				Max TC CSI: 0.553		L		Brg Width = 4.0		Min Req = 2.1			
Load Duration: 1.25		BCDL: 5.0 psf				Max BC CSI: 0.709		Bearings B & L are a rigid surface.							
Spacing: 24.0 "		MWFRS Parallel Dist: 0 to h/2				Max Web CSI: 0.909		Members not listed have forces less than 375#							
		C&C Dist a: 4.30 ft						Maximum Top Chord Forces Per Ply (lbs)							
		Loc. from endwall: Any										Chords		Tens.Comp.	
		GCpi: 0.18										Chords		Tens. Comp.	
		Wind Duration: 1.60						VIEW Ver: 19.02.02B.0122.15				B - C		819 -2852	
												G - H		766 -2146	

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.738'

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.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 11'-0".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	2316 -769	P - O	2216 -657
S - R	2313 -769	O - N	2729 -833
R - Q	2101 -646	N - M	2731 -833
Q - P	1748 -485		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - Q	261 -574	O - I	254 -737
F - Q	566 -186	I - M	477 -1600
P - G	714 -233	M - K	2277 -704
P - H	315 -818	K - L	563 -1744
H - O	642 -172		

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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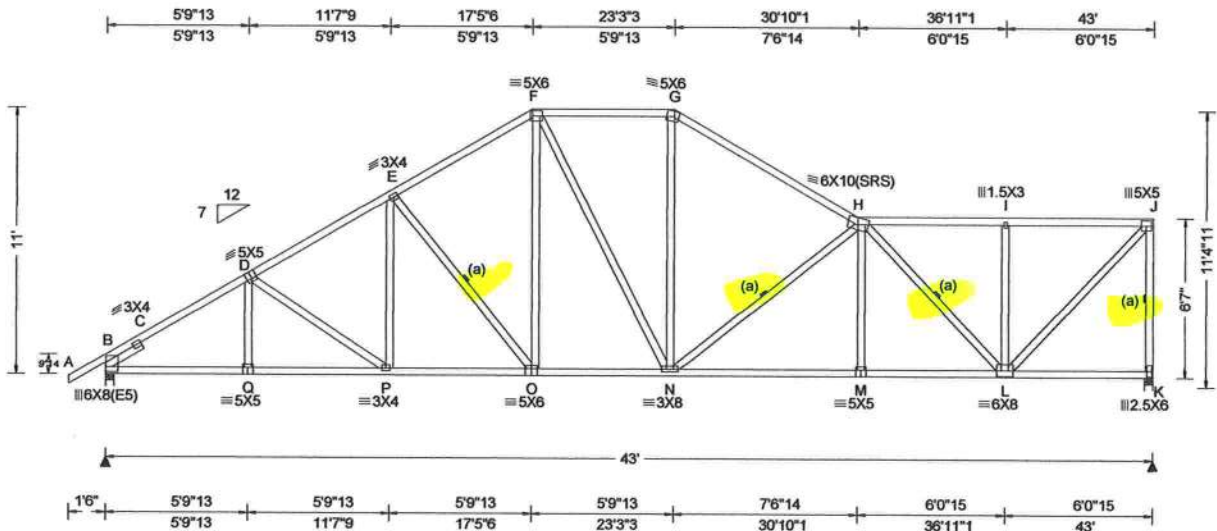
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ALPINE
ANTW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316072 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: B09	Cust: R 215 JRef: 1WV62150005 T31 DrwNo: 133.20.0847.10103 / YK 05/12/2020
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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: 0 to h/2 C&C Dist a: 4.30 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 Code / Misc Criteria Bldg 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): 0.157 O 999 240 VERT(CL): 0.324 O 999 180 HORZ(LL): 0.064 L - - HORZ(TL): 0.132 L - - Creep Factor: 2.0 Max TC CSI: 0.856 Max BC CSI: 0.758 Max Web CSI: 0.976 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1891 /- /- /1154 /316 /248 K 1786 /- /- /921 /329 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.2 K Brg Width = 4.0 Min Req = 2.1 Bearings B & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.738'

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.

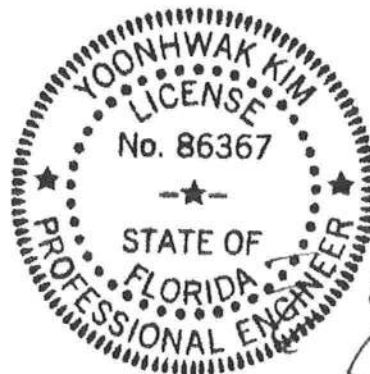
Right end vertical not exposed to wind pressure.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Refer to General Notes for additional information

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q	2315 -807	O - N	1745 -522
Q - P	2312 -807	N - M	2524 -795
P - O	2103 -685	M - L	2527 -795

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - O	264 -580	H - L	446 -1436
F - O	561 -190	I - L	202 -420
N - G	604 -158	L - J	2198 -697
N - H	334 -927	J - K	578 -1735

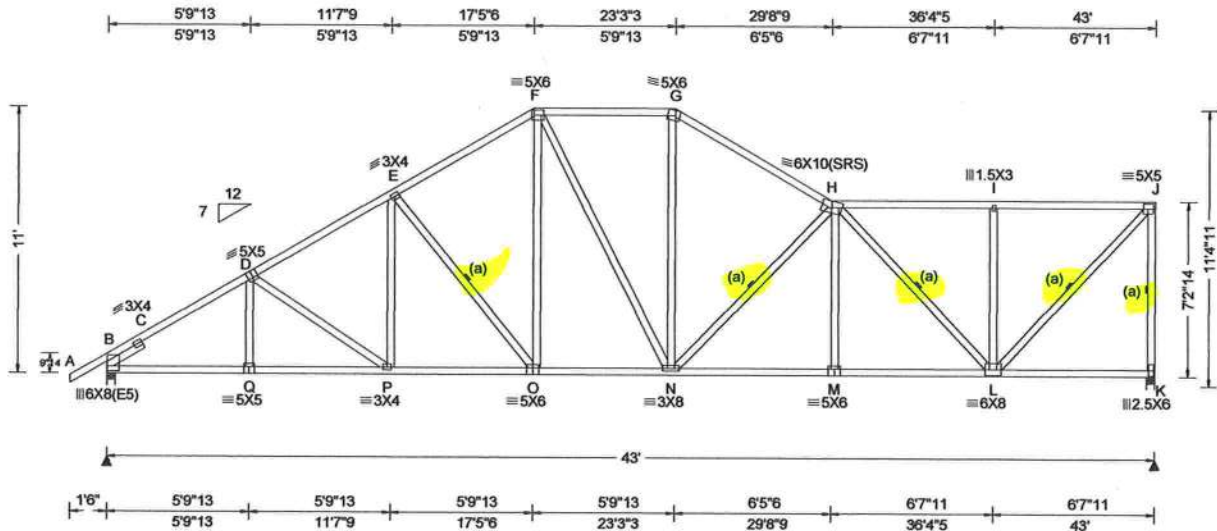
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316073 FROM: CDM	SPEC Qty: 1	Ply: 1 Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: B10	Cust: R215 JRef: 1WV62150005 T34 DrwNo: 133.20.0847.12283 / YK 05/12/2020
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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: 0 to h/2 C&C Dist a: 4.30 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 Code / Misc Criteria Bldg 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): 0.154 O 999 240 VERT(CL): 0.319 O 999 180 HORZ(LL): 0.061 L - - HORZ(TL): 0.127 L - - Creep Factor: 2.0 Max TC CSI: 0.799 Max BC CSI: 0.709 Max Web CSI: 0.826 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1891 /- /- /1159 /313 /242 K 1786 /- /- /927 /333 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.2 K Brg Width = 4.0 Min Req = 2.1 Bearings B & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 807 -2852 F - G 695 -1805 C - D 781 -2794 G - H 739 -2181 D - E 776 -2525 H - I 483 -1498 E - F 739 -2120 I - J 483 -1498

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.738'

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.

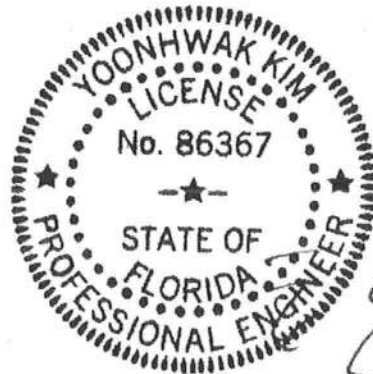
Right end vertical not exposed to wind pressure.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Refer to General Notes for additional information

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q	2315 -827	O - N	1746 -544
Q - P	2312 -828	N - M	2395 -766
P - O	2102 -705	M - L	2398 -766

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - O	262 -577	H - L	409 -1301
F - O	564 -188	L - J	2168 -698
N - G	649 -183	I - L	234 -479
N - H	310 -869	J - K	587 -1732

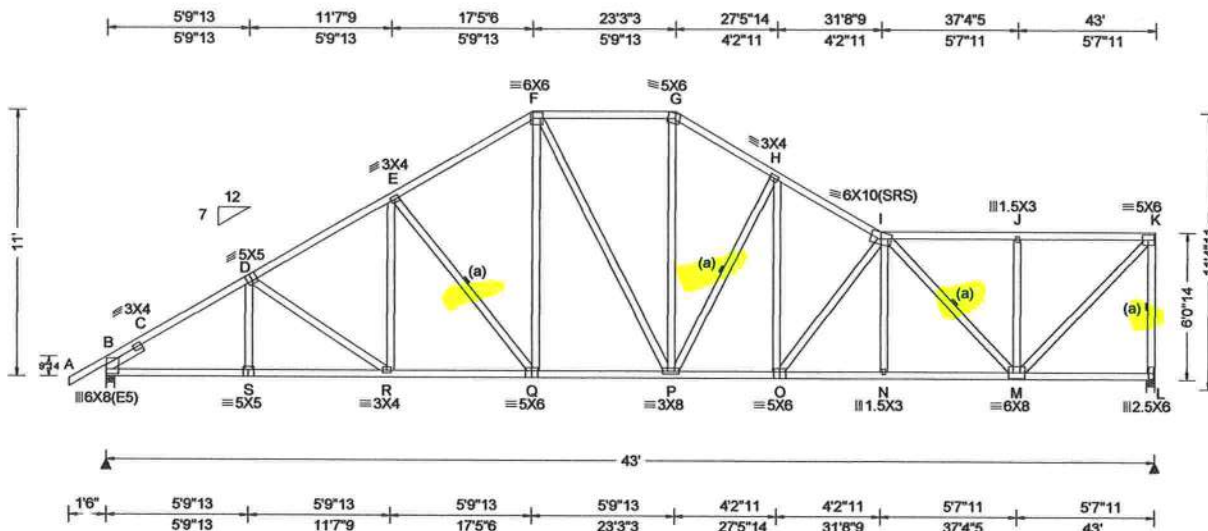
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCEA: www.sbceaindustry.com; ICC: www.iccsafe.org

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

SEQN: 316074 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: B11	Cust: R215 JRef: 1WV62150005 T9 DrwNo: 133.20.0847.14673 / YK 05/12/2020
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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: 0 to h/2 C&C Dist a: 4.30 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 Code / Misc Criteria Bldg 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): 0.164 O 999 240 VERT(CL): 0.339 O 999 180 HORZ(LL): 0.064 M - - HORZ(TL): 0.132 M - - Creep Factor: 2.0 Max TC CSI: 0.597 Max BC CSI: 0.709 Max Web CSI: 0.852 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1891 - / - / - / 1150 / 317 / 252 L 1786 - / - / - / 916 / 326 / - Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.2 L Brg Width = 4.0 Min Req = 2.1 Bearings B & 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 = 1.738'

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.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 11'-0".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	2316 - 790	P - O	2157 - 654
S - R	2313 - 791	O - N	2594 - 803
R - Q	2101 - 668	N - M	2596 - 803
Q - P	1748 - 507		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - Q	261 - 573	O - I	250 - 727
F - Q	567 - 185	I - M	447 - 1478
P - G	725 - 238	J - M	204 - 415
P - H	305 - 799	M - K	2237 - 702
H - O	672 - 190	K - L	571 - 1740

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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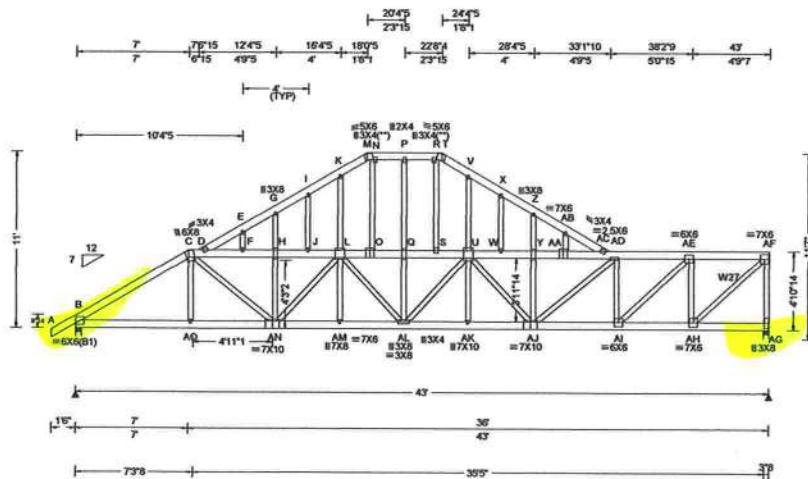
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ALPINE
AN ITW COMPANY
6750 Forum Drive
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Orlando FL, 32821

SEQN: 316075 FROM: CDM	SPEC Ply: 2 Qty: 1	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: B12	Cust: R215 JRef: 1WV62150005 T10 DrwNo: 133.20.0847.30127 / YK 05/12/2020
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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: 4.30 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.188 X 999 240 VERT(CL): 0.381 X 999 180 HORZ(LL): 0.056 AH - - HORZ(TL): 0.113 AH - - Creep Factor: 2.0 Max TC CSI: 0.487 Max BC CSI: 0.531 Max Web CSI: 0.962 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 4917 -/-/-/-/1034 -/ AG 5182 -/-/-/-/1045 -/ Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.0 AG Brg Width = 4.0 Min Req = 2.1 Bearings B & AG 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;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W27 2x4 SP #2;

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.

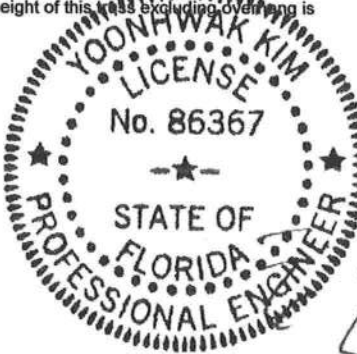
Special Loads
——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.50 to 63 plf at 43.00
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 43.00
TC: 303 lb Conc. Load at 7.03
TC: 198 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06
33.06,35.06,37.06,39.06,41.06
BC: 486 lb Conc. Load at 7.03
BC: 134 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06
33.06,35.06,37.06,39.06,41.06

Plating Notes
All plates are 1.5X3 except as noted.
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 11-0-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	861 -4108	Q - S	400 -1979
C - D	870 -4238	R - T	382 -1869
D - E	481 -2287	S - U	400 -1979
D - F	485 -2381	T - V	419 -2016
E - G	438 -2109	U - W	579 -2875
F - H	484 -2367	V - X	447 -2171
G - I	466 -2225	W - Y	578 -2872
H - J	489 -2385	X - Z	458 -2201
I - K	455 -2195	Y - AA	574 -2857
J - L	490 -2389	Z - AB	438 -2122
K - M	425 -2030	AA - AC	575 -2866
L - O	400 -1979	AB - AC	474 -2269
M - N	383 -1870	AC - AD	955 -4705
N - P	376 -1833	AD - AE	895 -4411
O - Q	400 -1979	AE - AF	507 -2503
P - R	376 -1833		

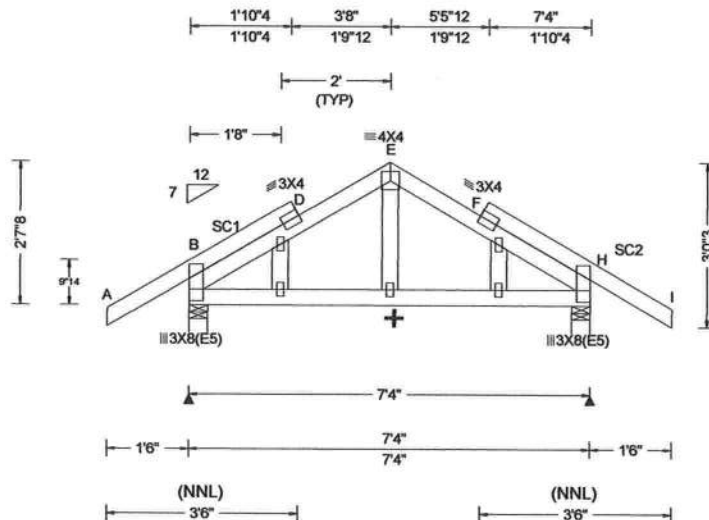
Chords	Tens.Comp.	Chords	Tens. Comp.
B - AO	3453 -716	AL - AK	4166 -848
AO - AN	3459 -715	AK - AJ	4166 -848
AN - AM	3893 -797	AJ - AI	4516 -920
AM - AL	3893 -797	AI - AH	2645 -540

Chords	Tens.Comp.	Chords	Tens. Comp.
C - AN	985 -196	U - AJ	806 -159
G - H	120 -423	Y - AJ	162 -548
H - AN	196 -708	AD - AI	381 -1609
AN - L	485 -102	AI - AE	2524 -507
N - O	455 -78	AE - AH	500 -2179
Q - AL	692 -98	AH - AF	3465 -703
AL - U	109 -529	AF - AG	526 -2531
R - S	456 -78		

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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ALPINE
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 316076 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: C01	Cust: R215 JRef: 1WV62150005 T12 DrwNo: 133.20.0847.51190 / YK 05/12/2020
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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 Code / Misc Criteria Bldg 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 D 999 240 VERT(CL): 0.012 D 999 180 HORZ(LL): 0.003 D - - HORZ(TL): 0.005 D - - Creep Factor: 2.0 Max TC CSI: 0.179 Max BC CSI: 0.138 Max Web CSI: 0.035 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 407 /- /- /265 /71 /97 H 407 /- /- /189 /71 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 H Brg Width = 4.0 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 1.5X3 except as noted.

Loading

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

Wind

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

Additional Notes

Refer to General Notes for additional information
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 excluding overhang is 2'-7"-8".

+ Member to be laterally braced for out of plane wind loads



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

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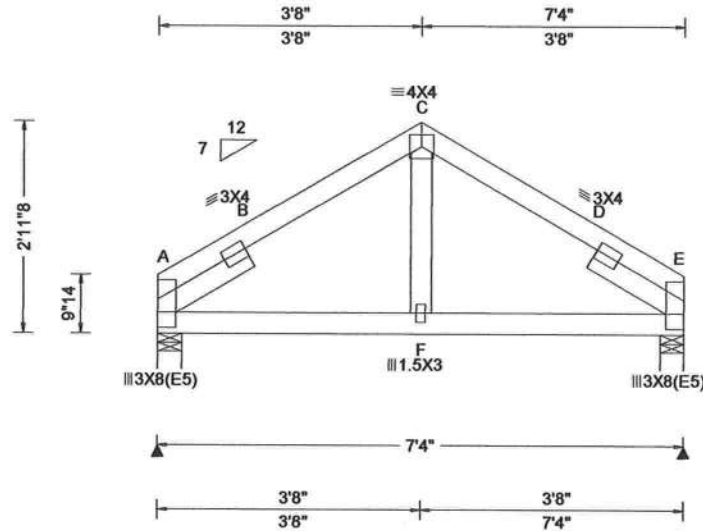
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316077 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: C02	Cust: R215 JRef: 1WV62150005 T16 DrwNo: 133.20.0847.53913 / YK 05/12/2020
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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 Code / Misc Criteria Bldg 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): 0.007 D 999 240 VERT(CL): 0.015 D 999 180 HORZ(LL): 0.005 B - - HORZ(TL): 0.010 B - - Creep Factor: 2.0 Max TC CSI: 0.150 Max BC CSI: 0.148 Max Web CSI: 0.077 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL A 305 /- /- /172 /49 /54 E 305 /- /- /172 /49 /- Non-Gravity Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 E Brg Width = 4.0 Min Req = 1.5 Bearings A & E are a rigid surface. Members not listed have forces less than 375#

Lumber

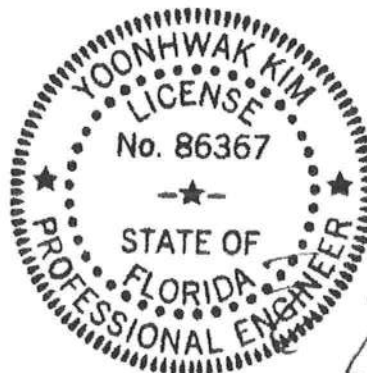
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 2'-11-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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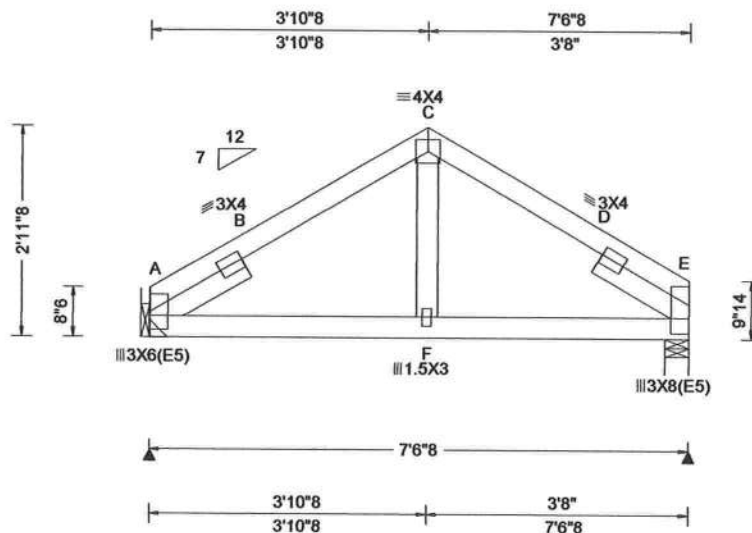
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316078 FROM: CDM	SPEC Ply: 1 Qty: 3	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: C03	Cust: R215 JRef: 1WV62150005 T4 DrwNo: 133.20.0847.56900 / YK 05/12/2020
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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: 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 Code / Misc Criteria Bldg 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): 0.012 B 999 240 VERT(CL): 0.025 B 999 180 HORZ(LL): 0.008 B - - HORZ(TL): 0.016 B - - Creep Factor: 2.0 Max TC CSI: 0.172 Max BC CSI: 0.164 Max Web CSI: 0.109 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL A 314 /- /- /179 /50 /56 E 314 /- /- /176 /50 /- Non-Gravity Wind reactions based on MWFRS A Brg Width = - Min Req = - E Brg Width = 4.0 Min Req = 1.5 Bearing E 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 215 -457 D - E 126 -383

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'

Hangers / Ties

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

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

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

Bearing at location x=0' uses the following support conditions: 0'

Bearing A (0', 9') LUS26

Supporting Member: (1)2x6 SP 2400F-2.0E into supporting member, into supported member.

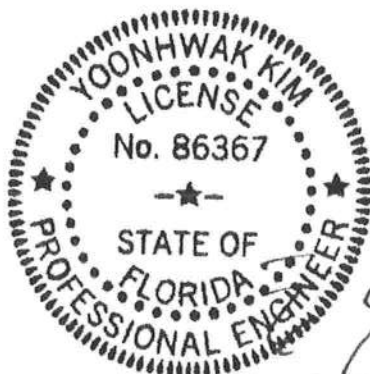
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2-11-8.



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****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

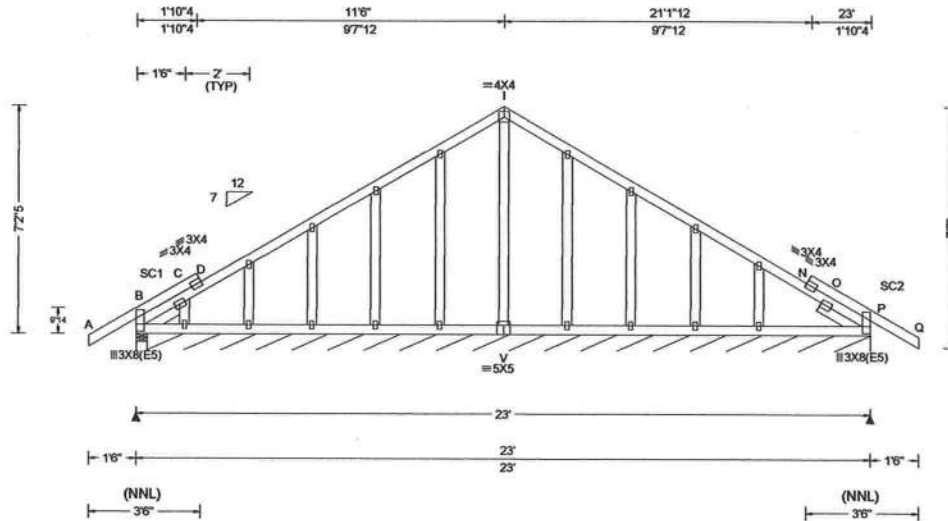
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: 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: 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 Code / Misc Criteria Bldg 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): 0.005 N 999 240 VERT(CL): 0.010 N 999 180 HORZ(LL): 0.004 N - - HORZ(TL): 0.005 N - - Creep Factor: 2.0 Max TC CSI: 0.198 Max BC CSI: 0.099 Max Web CSI: 0.115 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 226 /- /- /112 /48 /214 P* 83 /- /- /44 /15 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 P Brg Width = 272 Min Req = - Bearings B & B 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;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;
Lt Slider: 2x4 SP #3; block length = 1.279'
Rt Slider: 2x4 SP #3; block length = 1.500'

Plating Notes

All plates are 1.5X3 except as noted.

Wind

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

Additional Notes

Refer to General Notes for additional information
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 excluding overhang is 7'-2.5".



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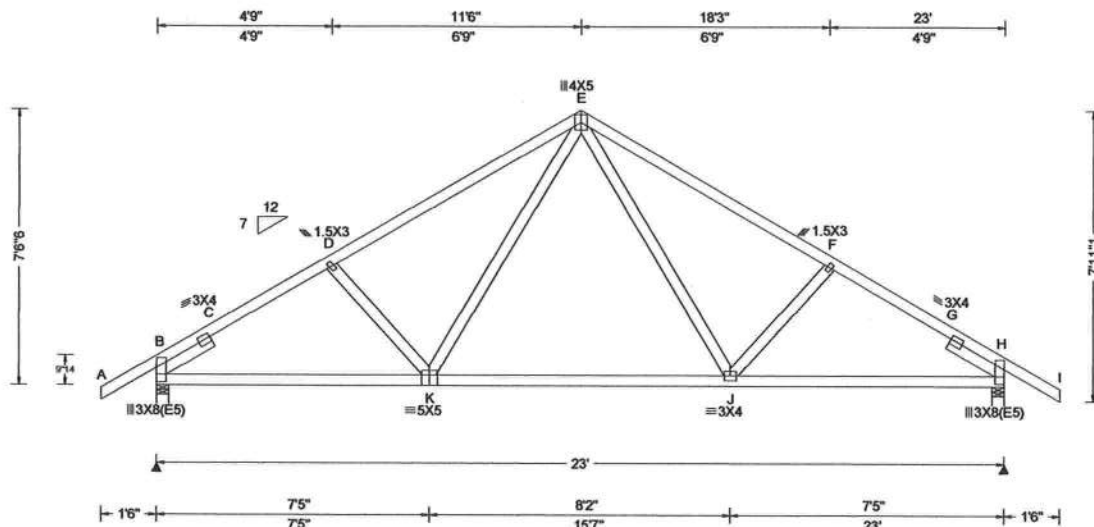
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 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 Code / Misc Criteria Bldg 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): 0.054 J 999 240 VERT(CL): 0.102 J 999 180 HORZ(LL): 0.030 G - - HORZ(TL): 0.057 G - - Creep Factor: 2.0 Max TC CSI: 0.532 Max BC CSI: 0.754 Max Web CSI: 0.179 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1133 /- /- /633 /183 /216 H 1133 /- /- /633 /183 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 H Brg Width = 4.0 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 435 -1611 E - F 416 -1372 C - D 408 -1517 F - G 407 -1520 D - E 417 -1370 G - H 434 -1614

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.761'
Rt Slider: 2x4 SP #3; block length = 1.761'

Loading

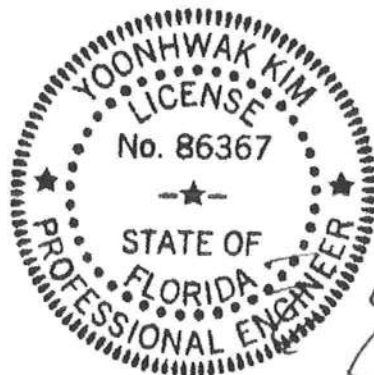
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 7'-6".



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - K	1253 -249	J - H	1255 -256
K - J	868 -75		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
K - E	465 -126	E - J	470 -125

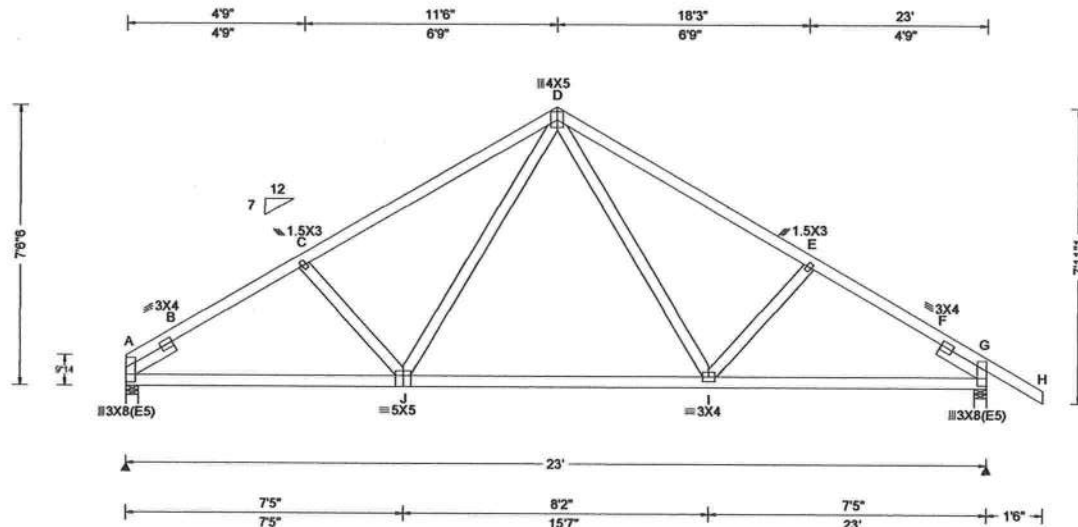
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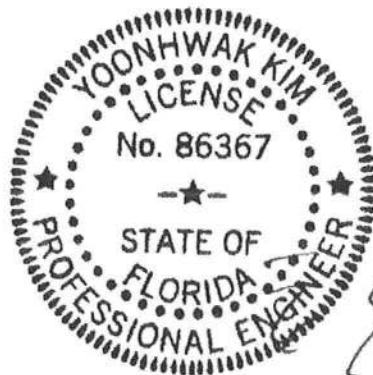
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: 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: 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 Code / Misc Criteria Bldg 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): 0.054 I 999 240 VERT(CL): 0.104 I 999 180 HORZ(LL): 0.031 F - - HORZ(TL): 0.060 F - - Creep Factor: 2.0 Max TC CSI: 0.530 Max BC CSI: 0.751 Max Web CSI: 0.183 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1028 /- /- /547 /11 /199 G 1137 /- /- /633 /18 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 G Brg Width = 4.0 Min Req = 1.5 Bearings A & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 315 -1657 D - E 321 -1378 B - C 321 -1543 E - F 305 -1533 C - D 337 -1385 F - G 338 -1623

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.

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 7'-6".



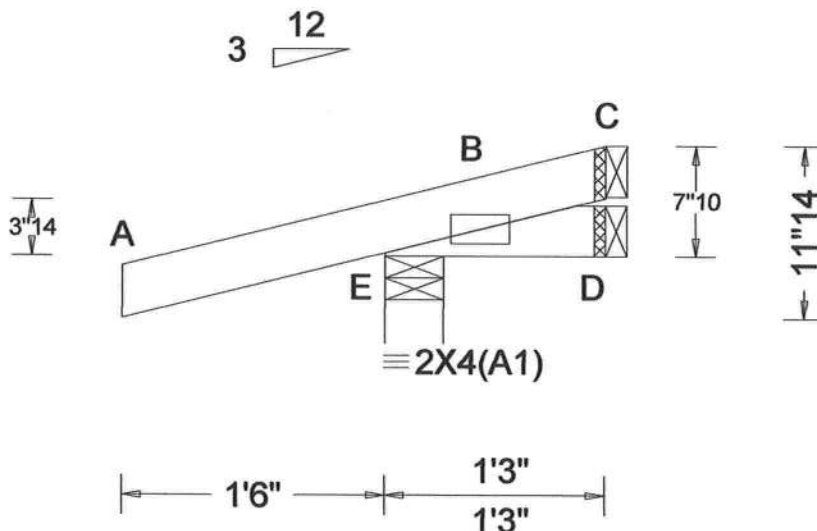
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Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - J	1275 -192	I - G	1260 -186
J - I	873 -48		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
J - D	481 -97	D - I	469 -90

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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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D - - HORZ(TL): 0.000 D - - Creep Factor: 2.0 Max TC CSI: 0.255 Max BC CSI: 0.034 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 233 /- /- /139 /111 /26 D 5 /-15 /- /24 /15 /- C - /-20 /- /25 /18 /- Wind reactions based on MWFRS E Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

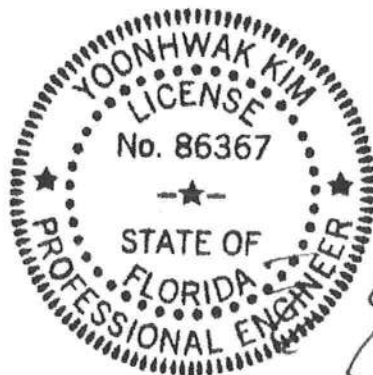
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 0-7-10.



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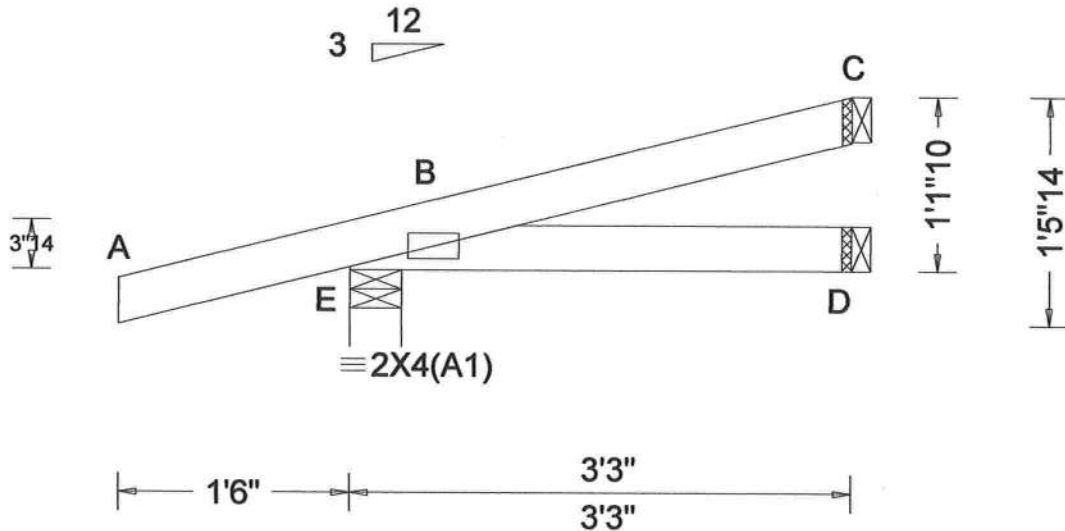
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SEQN: 316083 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: J02	Cust: R215 JRef: 1WV62150005 T11 DrwNo: 133.20.0848.10760 / YK 05/12/2020
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Loading Criteria (psf)	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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.287 Max BC CSI: 0.080 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 262 /- /- /149 /88 /37 D 51 /- /- /38 /1 /- C 67 /- /- /23 /20 /- Wind reactions based on MWFRS E Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 1-1-10.



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05/12/2020

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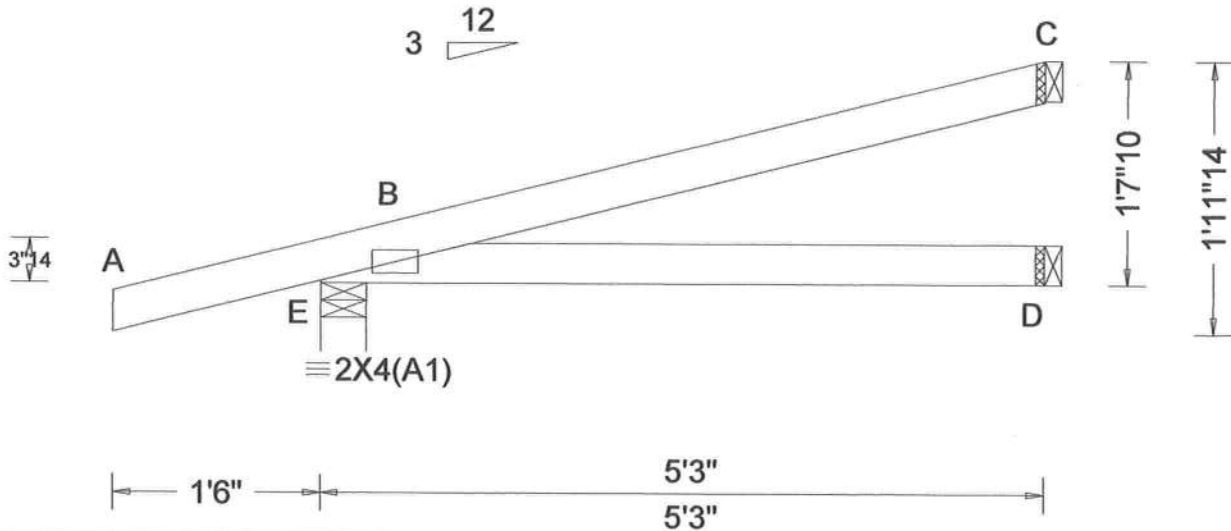
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SEQN: 316084 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: J03	Cust: R.215 JRef: 1WV82150005 T8 DrwNo: 133.20.0848.12117 / YK 05/12/2020
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Loading Criteria (psf)	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: 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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.005 D - - HORZ(TL): 0.010 D - - Creep Factor: 2.0 Max TC CSI: 0.317 Max BC CSI: 0.256 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 332 /- /- /184 /90 /49 D 91 /- /- /61 /- /- C 129 /- /- /40 /39 /- Wind reactions based on MWFRS E Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

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

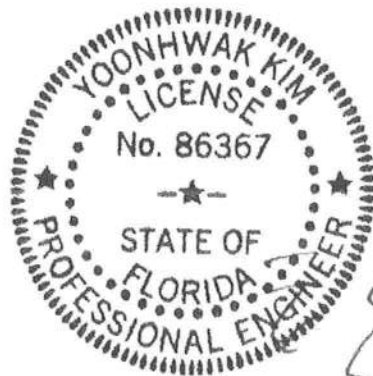
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 17-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

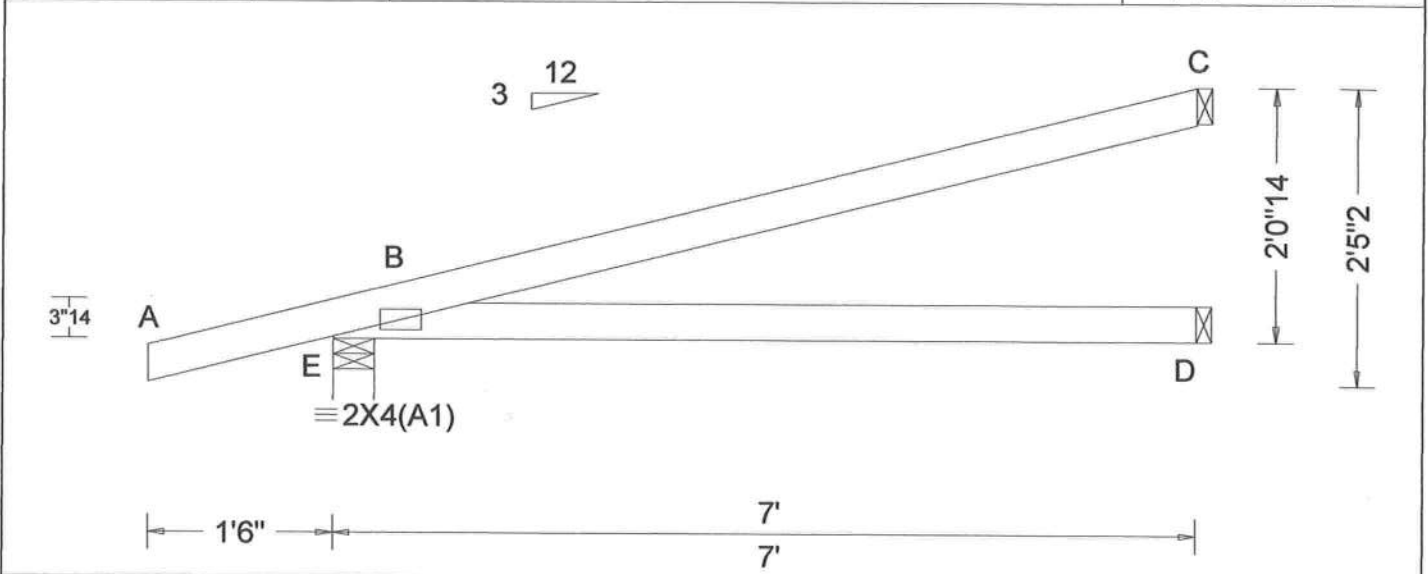
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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.

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

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6750 Forum Drive
Suite 305
Orlando FL, 32821



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/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.015 D - - HORZ(TL): 0.029 D - - Creep Factor: 2.0 Max TC CSI: 0.654 Max BC CSI: 0.483 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 398 /- /- /218 /95 /61 D 125 /- /- /84 /- /- C 179 /- /- /54 /55 /- Wind reactions based on MWFRS E Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

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

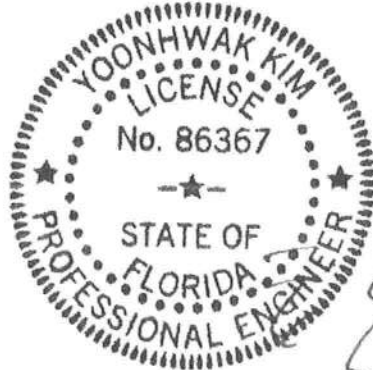
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2'-0-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

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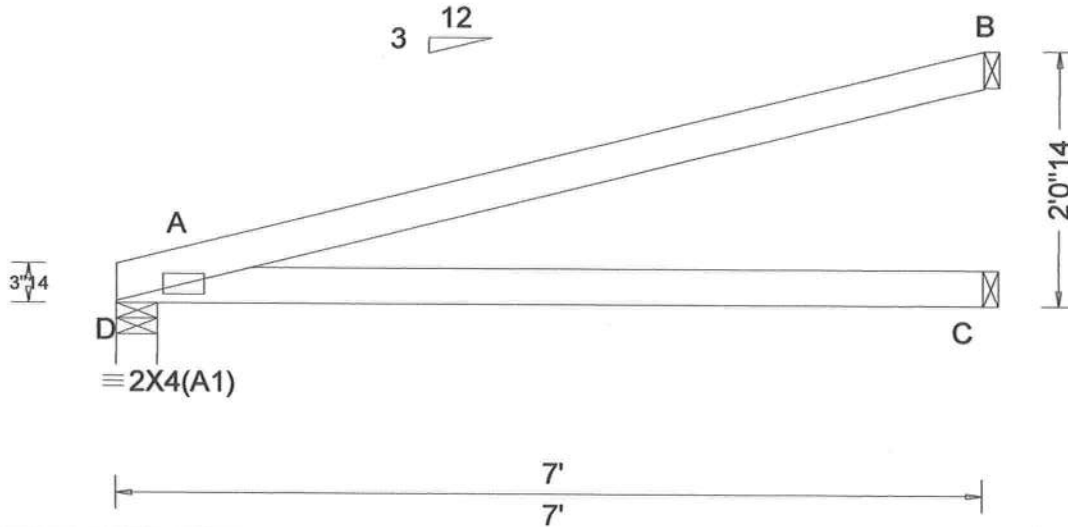
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316086 FROM: CDM	EJAC Qty: 2	Ply: 1 Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: J4A	Cust: R 215 JRef: 1WV62150005 T5 DrwNo: 133.20.0848.14440 / YK 05/12/2020
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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/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 Code / Misc Criteria Bldg 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): 0.017 C - - HORZ(TL): 0.035 C - - Creep Factor: 2.0 Max TC CSI: 0.701 Max BC CSI: 0.508 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D 288 /- /- /149 /45 /50 C 127 /- /- /86 /1 /- B 186 /- /- /56 /57 /- Wind reactions based on MWFRS D Brg Width = 4.0 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;

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2'-0-14."



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

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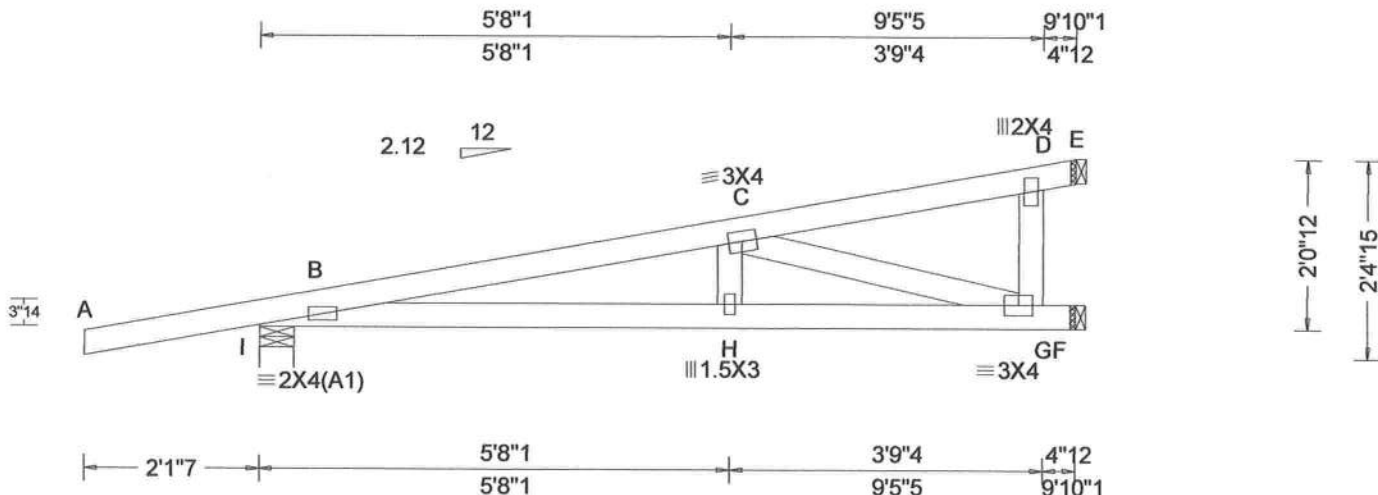
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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.

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Orlando FL, 32821

SEQN: 316087 FROM: CDM	HIP_	Ply: 1 Qty: 2	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: J05	Cust: R 215 JRef: 1WV62150005 T7 DrwNo: 133.20.0848.17513 / YK 05/12/2020
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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: 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 Code / Misc Criteria Bldg 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): 0.049 H 999 240 VERT(CL): 0.099 H 999 180 HORZ(LL): 0.009 G - - HORZ(TL): 0.018 G - - Creep Factor: 2.0 Max TC CSI: 0.551 Max BC CSI: 0.770 Max Web CSI: 0.353 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL I 359 /- /- /- /107 /- F 252 /- /- /- /64 /- E 201 /- /- /- /2 /- Wind reactions based on MWFRS I Brg Width = 4.9 Min Req = 1.5 F Brg Width = 1.5 Min Req = - E 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.

Lumber

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

Special Loads

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

TC: From 0 plf at -2.12 to 60 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.84
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.84
TC: -5 lb Conc. Load at 1.77
TC: 134 lb Conc. Load at 4.60
TC: 257 lb Conc. Load at 7.42
BC: 11 lb Conc. Load at 1.77
BC: 102 lb Conc. Load at 4.60
BC: 182 lb Conc. Load at 7.42

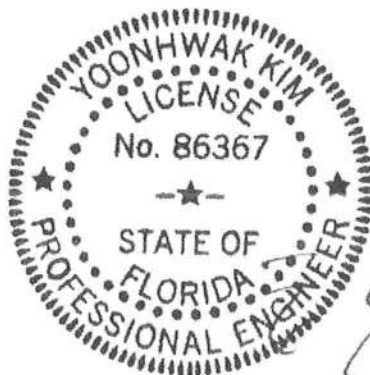
Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2-0-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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

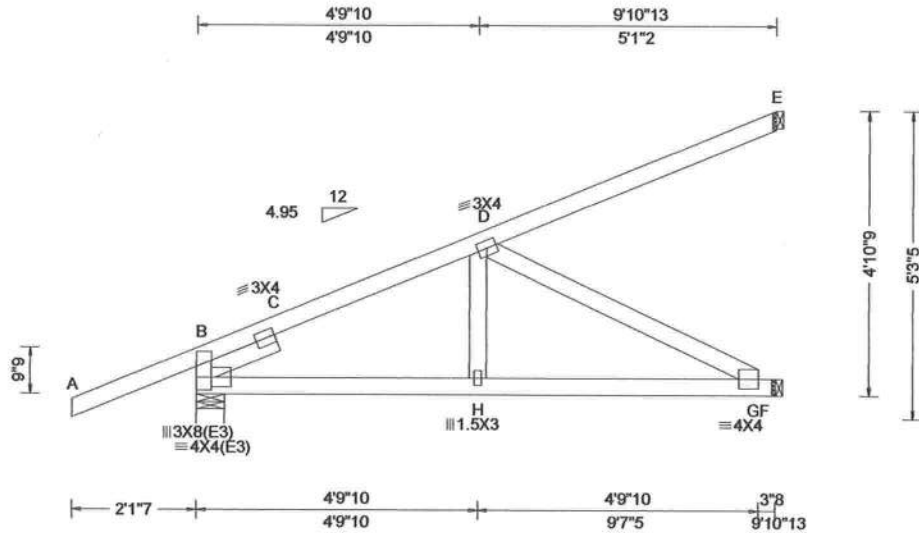
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 316088 FROM: CDM	HIP_ Ply: 1 Qty: 1	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: J06	Cust: R 215 JRef: 1WV62150005 T21 DrwNo: 133.20.0848.45297 / YK 05/12/2020
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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: 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 Code / Misc Criteria Bldg 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/defl L/# VERT(LL): 0.024 H 999 240 VERT(CL): 0.047 H 999 180 HORZ(LL): -0.015 C - - HORZ(TL): 0.030 C - - Creep Factor: 2.0 Max TC CSI: 0.794 Max BC CSI: 0.762 Max Web CSI: 0.374 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 366 /- /- /- /206 /- F 352 /- /- /- /88 /- E 105 /- /- /- /31 /- Wind reactions based on MWFRS B Brg Width = 5.7 Min Req = 1.5 F Brg Width = 1.5 Min Req = - E Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# 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 = 1.500'

Special Loads

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

TC: From 0 plf at -2.12 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.90
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.90
TC: -39 lb Conc. Load at 1.48
TC: 137 lb Conc. Load at 4.31
TC: 272 lb Conc. Load at 7.13
BC: 40 lb Conc. Load at 1.48
BC: 113 lb Conc. Load at 4.31
BC: 190 lb Conc. Load at 7.13

Wind

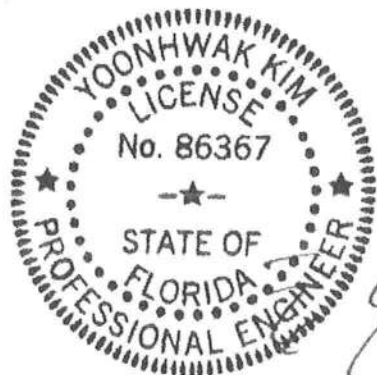
Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4'-10"-9".

Provide (3) 16d common 0.162"x3.5", toe-nails at TC.
Provide (3) 16d common 0.162"x3.5", toe-nails at BC.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

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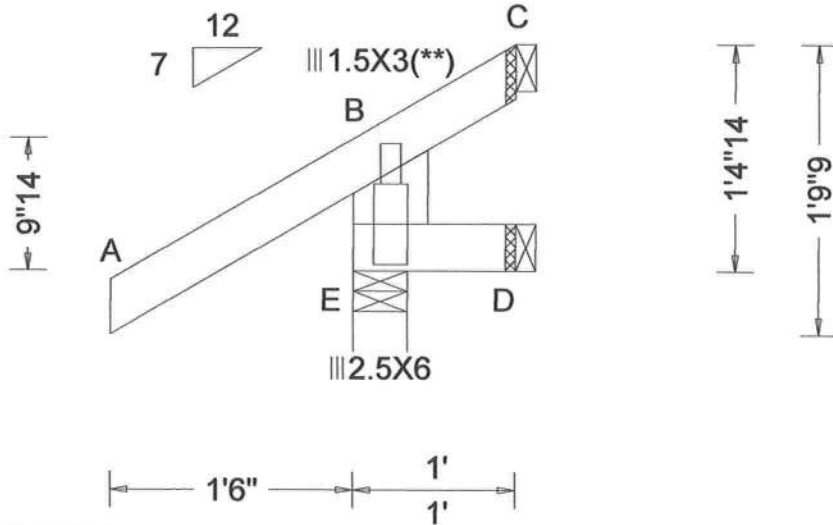
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AN ITW COMPANY
6750 Forum Drive
Suite 305
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SEQN: 316089 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: J07	Cust: R215 JRef: 1WV62150005 T26 DrwNo: 133.20.0848.47720 / YK 05/12/2020
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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 Code / Misc Criteria Bldg 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 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): 0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.182 Max BC CSI: 0.010 Max Web CSI: 0.010 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL E 220 /- /- /199 /77 /- D 20 /- /- /13 /- /- C - /-45 /- /52 /73 /41 Wind reactions based on MWFRS E Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 1'-4-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

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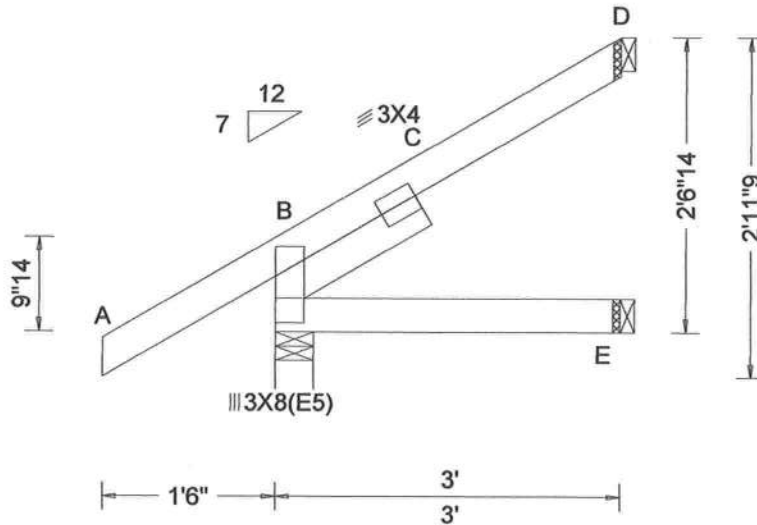
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316090 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: J08	Cust: R215 JRef: 1WV62150005 T25 DrwNo: 133.20.0848.49347 / YK 05/12/2020
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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): NA	Loc	R+	R-	Rh	Rw	U	RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B	252	/-	/-	/183	/30	/74
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.004 C - -	E	57	/-	/-	/39	/-	/-
	EXP: C Kzt: NA		HORZ(TL): 0.006 C - -	D	69	/-	/-	/31	/37	/-
Des Ld: 40.00	Mean Height: 15.00 ft	Code / Misc Criteria Bldg 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: 0.182	B Brg Width = 4.0 Min Req = 1.5						
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.087	E Brg Width = 1.5 Min Req = -						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.035	D Brg Width = 1.5 Min Req = -						
Spacing: 24.0 "	C&C Dist a: 3.00 ft			Bearing B 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: 19.02.02B.0122.15							

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information
 The overall height of this truss excluding overhang is 2'-6-14."



FL REG# 278, Yoonhwak Kim, FL PE #86367
 05/12/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

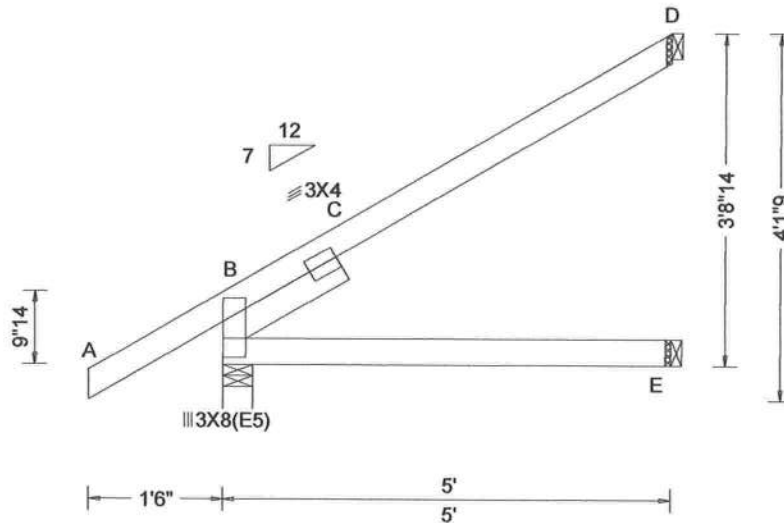
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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-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 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 this job's general notes page and 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: 316091 FROM: CDM	JACK Qty: 2	Ply: 1	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: J09	Cust: R 215 JRef: 1WV62150005 T24 DrwNo: 133.20.0848.50797 / YK 05/12/2020
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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: 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 Code / Misc Criteria Bldg 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): 0.025 C - - HORZ(TL): 0.050 C - - Creep Factor: 2.0 Max TC CSI: 0.373 Max BC CSI: 0.269 Max Web CSI: 0.106 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 325 /- /- /229 /32 /108 E 95 /- /- /66 /- /- D 136 /- /- /70 /62 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

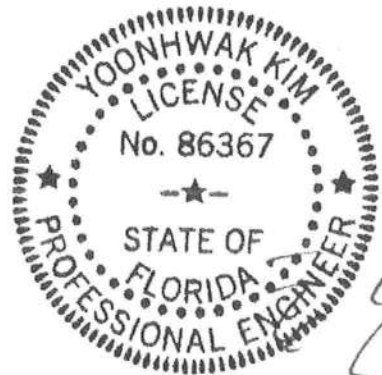
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Slider: 2x4 SP #3; block length = 1.544'

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 3-8-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

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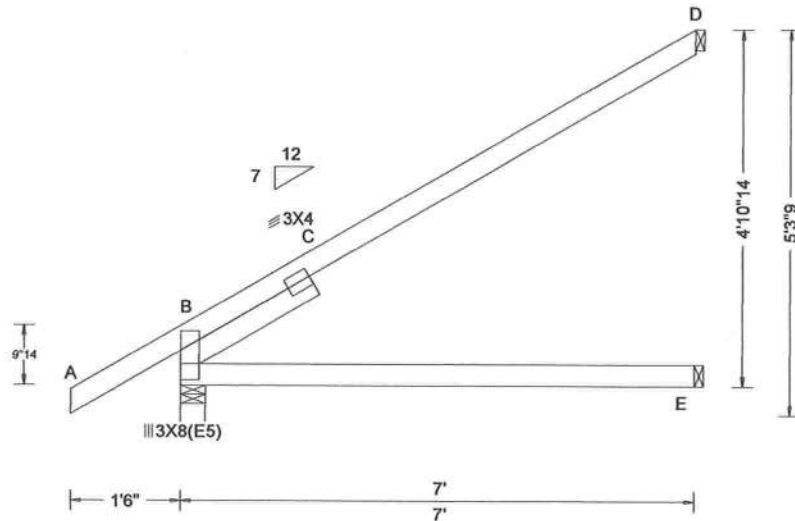
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 316092 FROM: CDM	EJAC Qty: 18	Ply: 1	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: J10	Cust: R 215 JRef: 1WV62150005 T28 DrwNo: 133.20.0848.52000 / YK 05/12/2020
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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/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg 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): 0.098 C - - HORZ(TL): 0.197 C - - Creep Factor: 2.0 Max TC CSI: 0.832 Max BC CSI: 0.560 Max Web CSI: 0.275 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 404 /- /- /280 /35 /141 E 134 /- /- /94 /- /- D 198 /- /- /104 /86 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Slider: 2x4 SP #3; block length = 2.123'

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4-10-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

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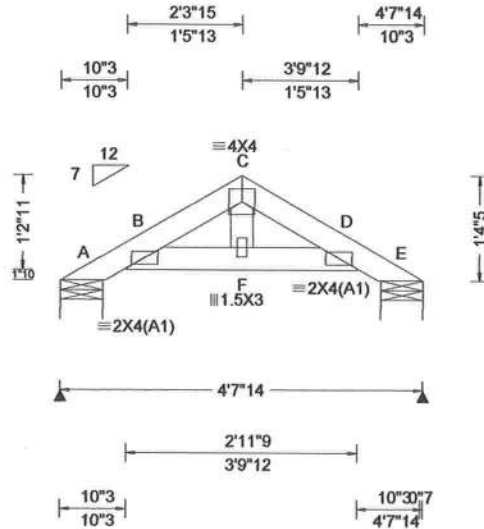
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

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

SEQN: 316093 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: P01	Cust: R215 JRef: 1WV62150005 T36 DrwNo: 133.20.0848.55487 / YK 05/12/2020
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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: 1.2 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 Code / Misc Criteria Bldg 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 C 999 240 VERT(CL): 0.006 C 999 180 HORZ(LL): 0.002 F - - HORZ(TL): 0.003 F - - Creep Factor: 2.0 Max TC CSI: 0.073 Max BC CSI: 0.032 Max Web CSI: 0.010 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 154 /- /- /116 /45 /33 E 154 /- /- /116 /45 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 E Brg Width = 6.5 Min Req = 1.5 Bearings A & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Purlins

In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 1-4-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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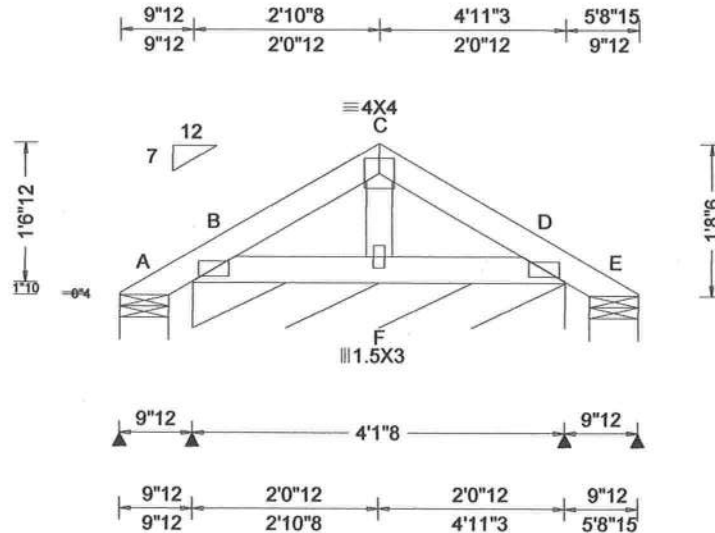
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316094 FROM: CDM	COMN Ply: 1 Qty: 18	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: P02	Cust: R215 JRef: 1WV62150005 T20 DrwNo: 133.20.0848.57170 / YK 05/12/2020
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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: 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: 1.2 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 Code / Misc Criteria Bldg 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 F 999 240 VERT(CL): 0.001 F 999 180 HORZ(LL): 0.000 F - - HORZ(TL): 0.000 F - - Creep Factor: 2.0 Max TC CSI: 0.037 Max BC CSI: 0.023 Max Web CSI: 0.012 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 7 /- /- /29 /21 /39 B* 82 /- /- /56 /26 /- E 7 /- /- /9 /2 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 49.5 Min Req = - E Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Purlins

In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Refer to General Notes for additional information
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 1-8-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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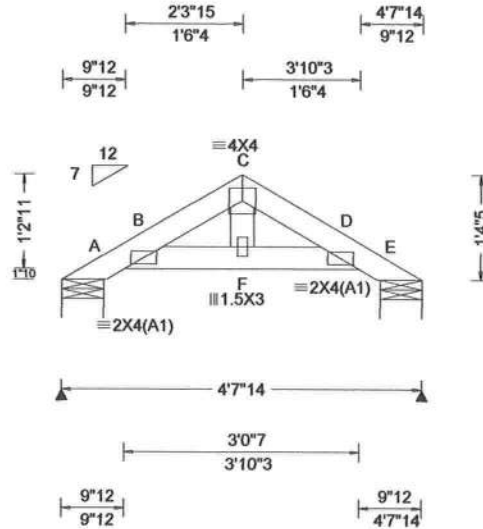
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 316095 FROM: CDM	SPEC Qty: 1	Ply: 1	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: P03	Cust: R215 JRef: 1WV62150005 T2 DrwNo: 133.20.0848.59607 / YK 05/12/2020
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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: 1.2 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 Code / Misc Criteria Bldg 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 C 999 240 VERT(CL): 0.007 C 999 180 HORZ(LL): 0.002 F - - HORZ(TL): 0.004 F - - Creep Factor: 2.0 Max TC CSI: 0.085 Max BC CSI: 0.035 Max Web CSI: 0.010 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh Non-Gravity Loc / Rw / U / RL A 137 /- /- /101 /43 /31 E 137 /- /- /101 /43 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 E Brg Width = 6.5 Min Req = 1.5 Bearings A & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Purlins

In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

Wind

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

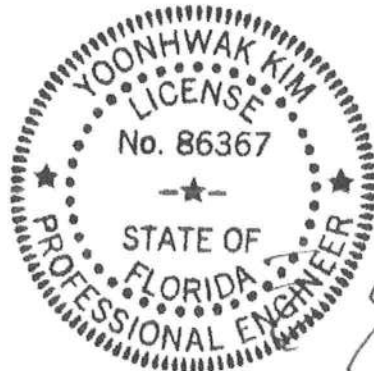
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 1-4-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

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 SBCEA) 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.

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

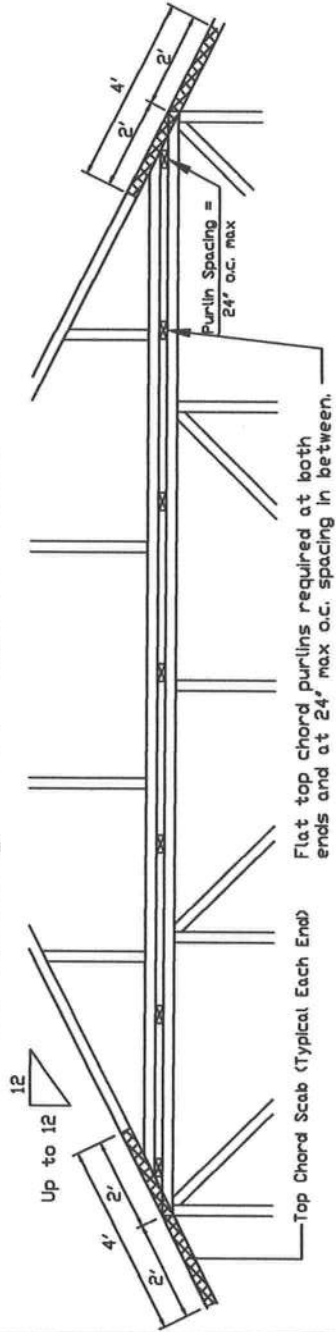
Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0, Dir 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends. Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, chimney or drag strut loads.

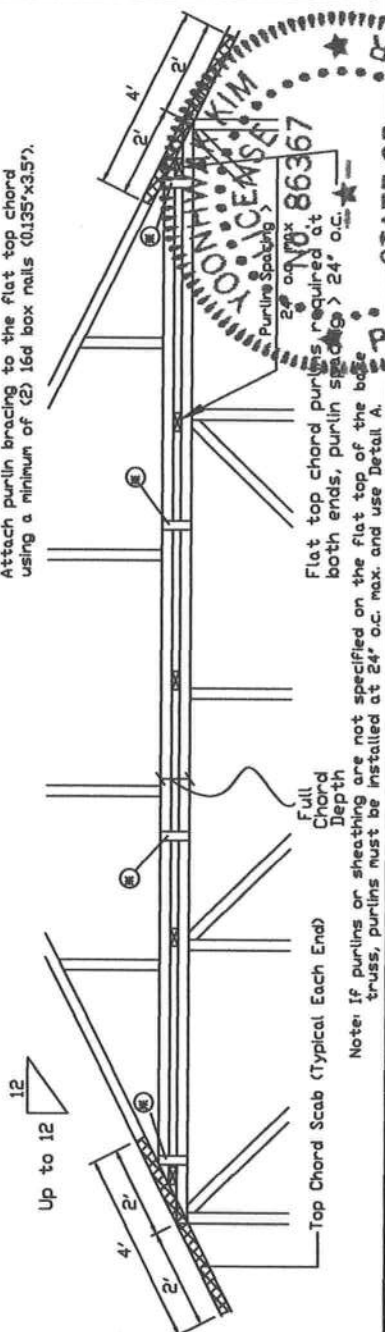
Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

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



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

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nailing (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 nailing (0.128"x3") at 4' o.c. Attach purlin bracing to the flat top of the base truss using a minimum of (2) 16d box nailing (0.135"x3.5").



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

- In addition, provide connection with one of the following methods:
- Trulox
- Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.
- APA Rated Gusset
- 8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (3) 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 (3) 10d box nailing (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.
- 28PB Wave Piggyback Plate
- One 28PB wave piggyback plate to each face @ 8' o.c. Attach to each face of cap bottom chord and (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.



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Maryland Heights, MO 63043

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 the practices prior to performing these functions. Installers shall provide temporary bracing per EC31. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing. For temporary bracing, refer to EC31. For permanent bracing, refer to EC31. For more information see this job's general notes page and these web sites: ALPINE: www.alpineinc.com TPI: www.tpi.com SBC: www.sbcindustry.org ICC: www.iccsafe.org

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

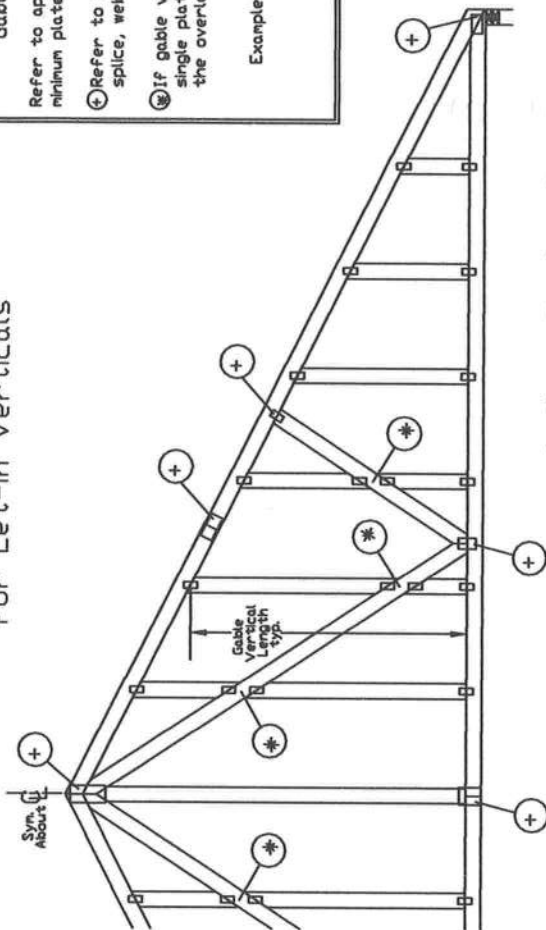
For more information see this job's general notes page and these web sites:



REF	PIGGYBACK
DATE	10/01/14
DRWG	PB160101014

SPACING 24.0'

Gable Detail For Let-in Verticals



Gable Truss Plate Sizes

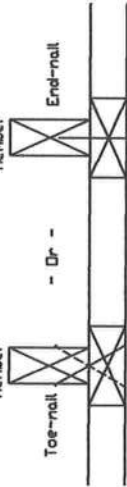
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊗ If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.



⊕ 'T' Reinforcement Attachment Detail
⊕ 'T' Reinforcing Member
⊕ End-nail
⊕ Toe-nail



To convert from 'L' to 'T' reinforcing members, multiply 'T' increase by length (based on appropriate Alpine gable detail).

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.
'T' reinforcing member material must match size, species, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T' Brace

'T' Reinf. Mbr. Size	'T' Increase
2x4	30 %
2x6	20 %

Example:

ASCE 7-10 Wind Speed = 120 mph

Mean Roof Height = 30 ft, Kzt = 1.00

Gable Vertical = 24' o.c. SP #3

'T' Reinforcing Member Size = 2x4

'T' Brace Increase (From Above) = 30% = 1.30

(1) 2x4 'L' Brace Length = 8' 7"

Maximum 'T' Reinforced Gable Vertical Length

1.30 x 8' 7" = 11' 2"

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

10d Common (0.148"x3.75") Nails at 4' o.c. plus

(4) nails in the top and bottom chords.

Toenailed Nails:

10d Common (0.148"x3.75") Toenails at 4' o.c. plus

(4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A11015051014, A10015051014, A14015051014,

A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

A115150510018, A120150510018, A140150510018, A100150510018, A140150510018,

A115300510018, A120300510018, A140300510018, A100300510018, A140300510018,

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A180300510018, A200300510018, A200300510018, A200300510018, A200300510018,

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING. 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 BCSI for safety practices prior to performing these functions. Installers shall provide temporary bracing and bottom chord bracing as shown on drawings. Temporary bracing shall be properly attached to the truss and shall have bracing installed per BCSI sections 33, 37 or 310, 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.

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, or 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 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: ALPINE www.alpineinc.com TPI www.tpiinc.org BCSI www.bcsibuildingcomponents.com



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0"



ALPINE www.alpineinc.com TPI www.tpiinc.org BCSI www.bcsibuildingcomponents.com

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	2-2x6
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6

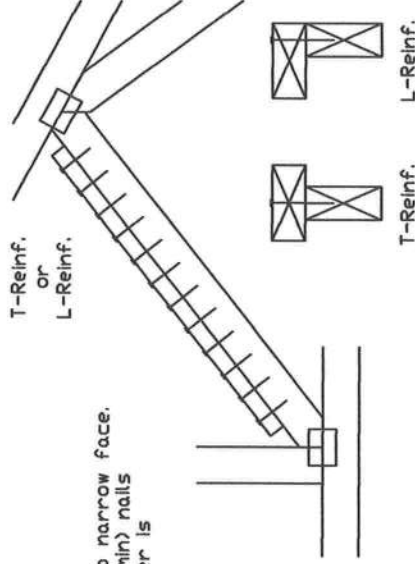
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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

T-Reinforcement

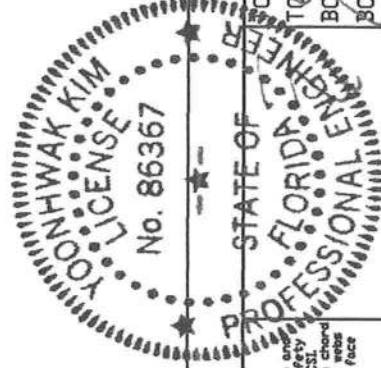
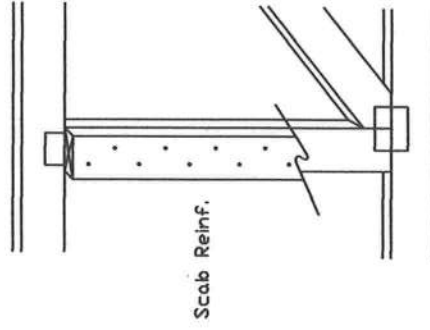
or
L-Reinforcement:

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 INCLUDING THE INSTALLER.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of ITT Building Components Safety Manual for detailed instructions. The manufacturer's practices prior to performing these functions. Installers shall provide temporary bracing and bottom chord bracing as shown on drawings. 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 of trusses and bracing installed per AISI sections B1, B7 or B10, as applicable. Apply plates to each face of webs and bracing for full contact and full bearing. Refer to drawings 160A-2 for standard plate positions.

Alpine, a division of ITT Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with AISI/TPI 1, or for handling, shipping, installation or bracing of trusses.

On this drawing, the engineer is responsible for the design of the truss. The responsibility of the engineer for any structure is the responsibility of the Building Designer per AISI/TPI 1 Sec.2.

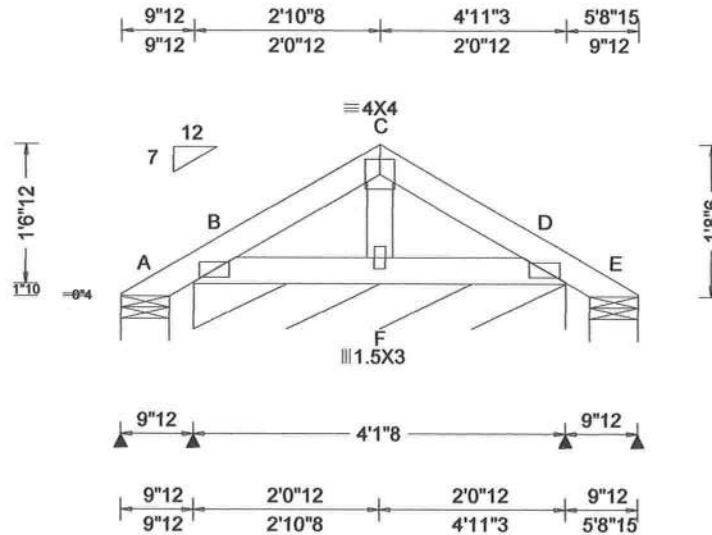
For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com TPI: www.tpinet.org SDC: www.sdsbuild.com



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Suite 200
Maryland Heights, MO 63043

REF	CLR Subst.	PSF	LL	DL	BC/DL	BC/LL	TOT. LD.	DUR. FAC.	SPACING
DATE	01/02/19	PSF							
DRWG	BRCLBSUB0119	PSF							
		PSF							
		PSF							

SEQN: 316094 FROM: CDM	COMN Ply: 1 Qty: 18	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: P02	Cust: R 215 JRef: 1WV62150005 T20 DrwNo: 133.20.0848.57170 / YK 05/12/2020
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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: 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: 1.2 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 Code / Misc Criteria Bldg 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 F 999 240 VERT(CL): 0.001 F 999 180 HORZ(LL): 0.000 F - - HORZ(TL): 0.000 F - - Creep Factor: 2.0 Max TC CSI: 0.037 Max BC CSI: 0.023 Max Web CSI: 0.012 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 7 /- /- /29 /21 /39 B* 82 /- /- /56 /26 /- E 7 /- /- /9 /2 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 49.5 Min Req = - E Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Purlins

In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

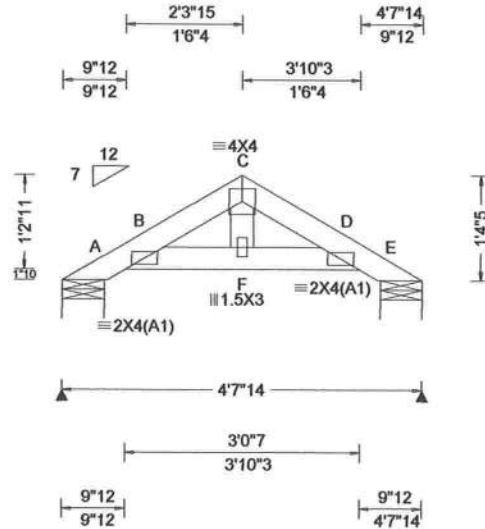
Refer to General Notes for additional information
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 1-8-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

SEQN: 316095 FROM: CDM	SPEC Qty: 1	Ply: 1	Job Number: 20-4243 LOT 18 WINGATE ESTATES Truss Label: P03	Cust: R215 JRef: 1WV62150005 T2 DrwNo: 133.20.0848.59607 / YK 05/12/2020
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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: 1.2 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 Code / Misc Criteria Bldg 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 C 999 240 VERT(CL): 0.007 C 999 180 HORZ(LL): 0.002 F - - HORZ(TL): 0.004 F - - Creep Factor: 2.0 Max TC CSI: 0.085 Max BC CSI: 0.035 Max Web CSI: 0.010 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL A 137 /- /- /101 /43 /31 E 137 /- /- /101 /43 /- Non-Gravity Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 E Brg Width = 6.5 Min Req = 1.5 Bearings A & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Purlins

In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Refer to General Notes for additional information
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 1-4-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/12/2020

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.

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 this job's general notes page and 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

Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

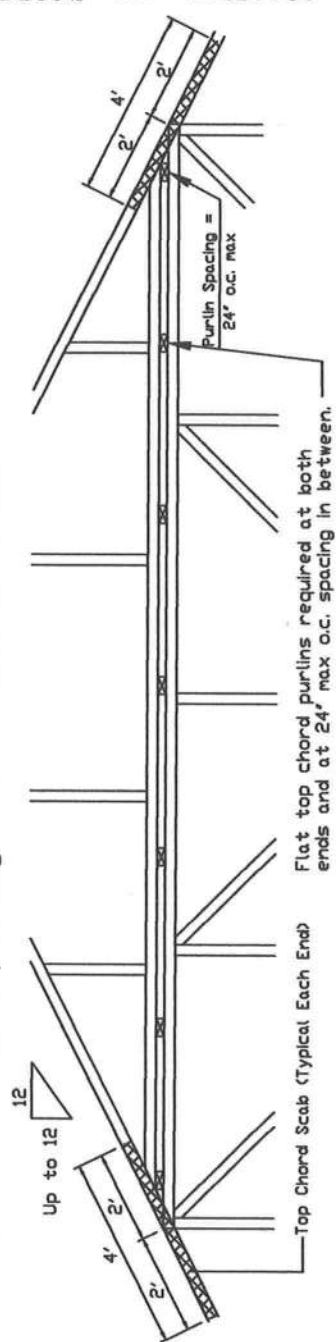
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0, or 140 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp D, Wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

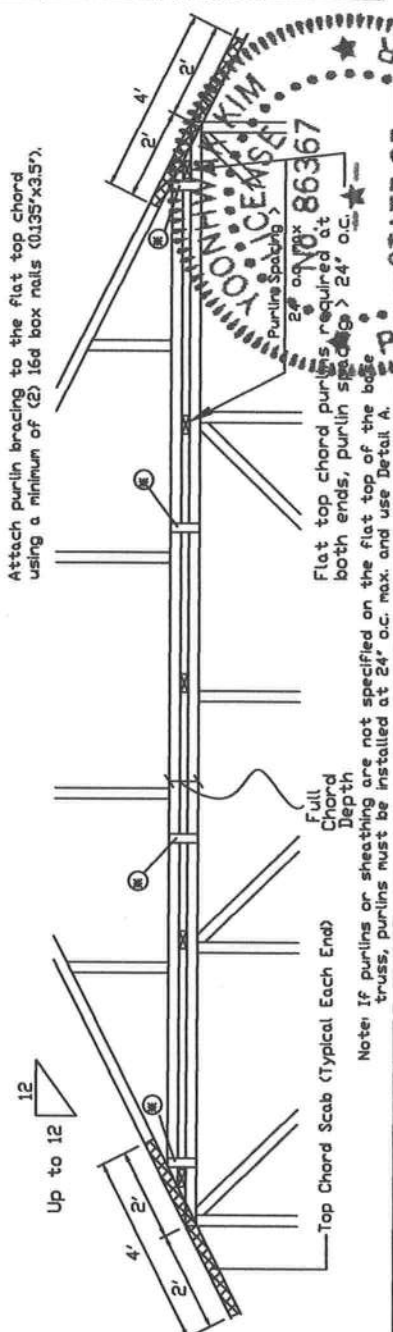
Detail A : Purlin Spacing = 24" o.c. or less



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 of the base truss using a minimum of (2) 16d box nails (0.135'x3.5').



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

Flat top chord purlins required at both ends, purlin spacing > 24' o.c.

Purlin Spacing = 24' o.c. max

Full Chord Depth

Top Chord Scab (Typical Each End)

Up to 12'

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

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

APA Rated Gusset
8'x8'x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.113'x2.5') nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

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

28PB Wave Piggyback Plate
One 28PB wave piggyback plate to each face of 8' o.c. cap. Refer to piggyback detail for fabrication. Attach to substructure with (4) 0.120'x1.375' nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.



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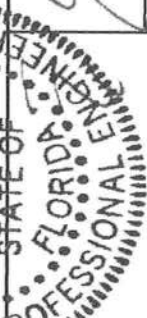
Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to any practices prior to performing these functions. Installers shall provide temporary bracing per ICCI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing. ICCI shall provide temporary bracing for permanent lateral restraint of webs of truss and position as shown above and on the Joint Details, unless noted otherwise.

Refer to drawings 160A-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, bracing or trusses.

A warning shall be placed on this drawing indicating acceptance of professional engineering responsibility solely for the design shown. The liability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

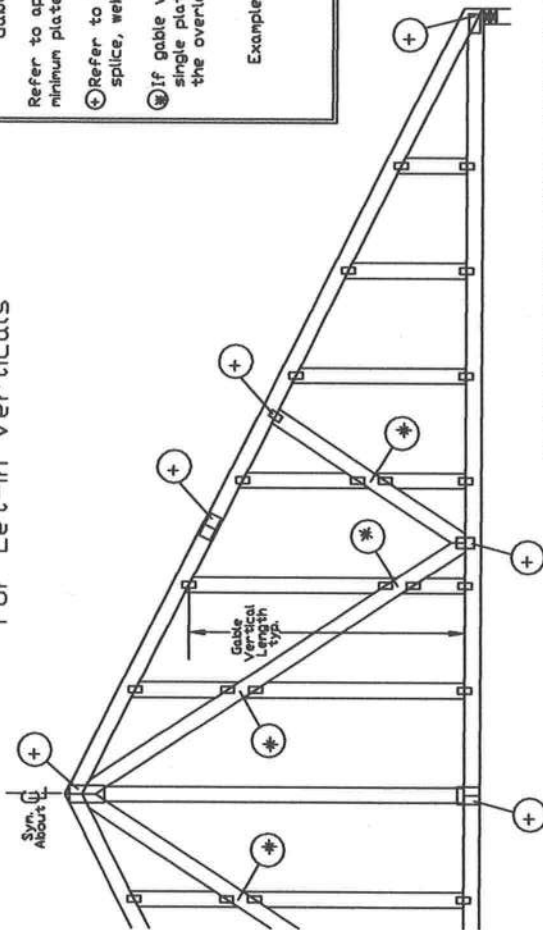
For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com TPI: www.tpiinc.org ICCI: www.icciinc.org



REF	PIGGYBACK
DATE	10/01/14
DRWG	PB160101014

SPACING 24.0'

Gable Detail For Let-in Verticals



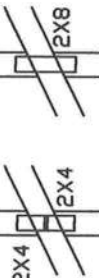
Gable Truss Plate Sizes

Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

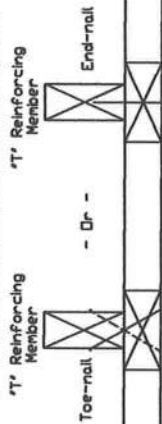
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊗ If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example:



T Reinforcement Attachment Detail



To convert from 'L' to 'T' reinforcing members, multiply 'T' increase by length (based on appropriate Alpine gable detail).

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.
'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T' Brace

T Reinf. Mbr. Size	Increase
2x4	30 %
2x6	20 %

Example:

ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, Kzt = 1.00
Gable Vertical = 24' o.c. SP #3

'T' Reinforcing Member Size = 2x4

'T' Brace Increase (From Above) = 30% = 1.30

(1) 2x4 'L' Brace Length = 8' 7"

Maximum 'T' Reinforced Gable Vertical Length 1.30 x 8' 7" = 11' 2"

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

10d Common (0.148"x 3", min) Nails at 4' o.c. plus

(4) nails in the top and bottom chords.

Toenail Nails:

10d Common (0.148"x 3", min) Toenails at 4' o.c. plus

(4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A11015051014, A10015051014, A14015051014,

A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

A11515ENC100118, A12015ENC100118, A14015ENC100118, A10015ENC100118, A14015ENC100118,

A18015ENC100118, A20015ENC100118, A20030ENC100118, A14030ENC100118, A14030ENC100118,

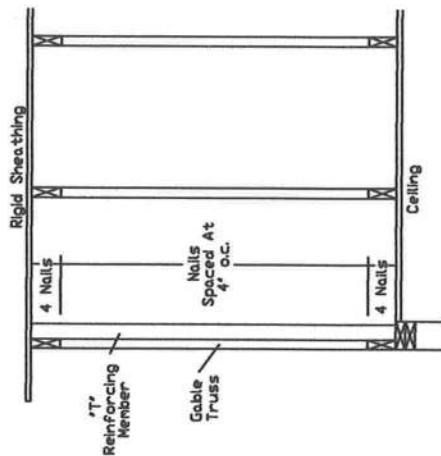
A18030ENC100118, A20030ENC100118, A20030ENC100118, A14030ENC100118, A14030ENC100118,

S11515ENC100118, S12015ENC100118, S14015ENC100118, S14015ENC100118, S14015ENC100118,

S18015ENC100118, S20015ENC100118, S20015ENC100118, S14030ENC100118, S14030ENC100118,

S18030ENC100118, S20030ENC100118, S20030ENC100118, S20030ENC100118, S20030ENC100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical length



UNLESS OTHERWISE SPECIFIED, THIS DRAWING IS TO BE USED IN CONFORMANCE WITH THE FOLLOWING NOTES:

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of ICCI Building Component Safety Information, by TPI and SCSA for safety information, bracing and installation. Trusses shall be installed in accordance with the design shown. Trusses shall have a properly installed rigid ceiling. Locations shown for permanent lateral restraint of ends of trusses and position as shown above and on the Joint Details, unless noted otherwise. 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 the design shown. The truss is designed in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing or trussing. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The authority and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites: www.alpineinc.com, www.tpi.com, www.scsa.com, www.icci.com



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETTIN0118

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

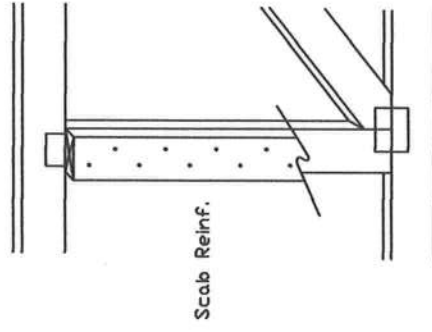
MAX. SPACING 24.0"

Vertical Kim, EL DE #86367

Member Substitution

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.

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



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For more information see this job's general notes page and these web sites:
ALPINE: www.alpinecorp.com TPI: www.tpi.org ICC: www.iccsafe.org

REF	CLR Subst.
DATE	01/02/19
DRWG	BRCLBSUB01
PSF	
PSF	
PSF	
PSF	
TDY. LD.	
DUR. FAC.	
SPACING	

95/12/2029
PL REF# 278, Yoonhwak Kim, FL PE #86367