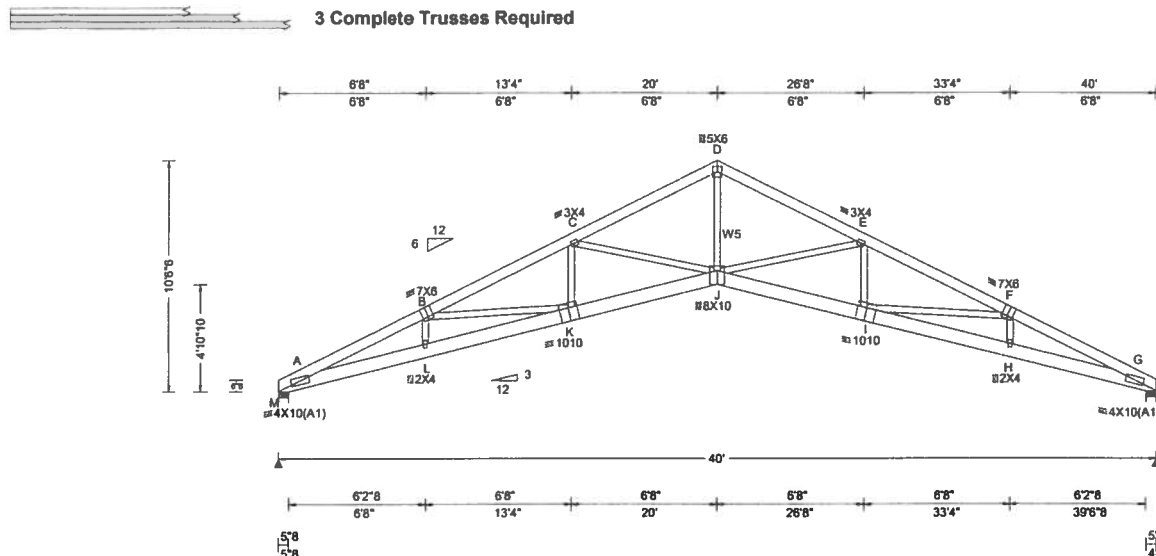


SEQN: 649704 FROM: CDM	COMN Ply: 3 Qty: 6	Job Number: 19-3463 /MARK GANSKOP RES /Contractor Truss Label: A02	Cust: R215 JRef: 1W0d2150003 T21 DrwNo: 252 19 1440.24207 / YK 09/09/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 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: 21.53 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.00 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.285 J 999 240 VERT(CL): 0.570 J 835 180 HORZ(LL): 0.196 H - - HORZ(TL): 0.392 H - - Creep Factor: 2.0 Max TC CSI: 0.151 Max BC CSI: 0.312 Max Web CSI: 0.382 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL M 4979 - / - / - / 906 - / - N 4979 - / - / - / 906 - / - Non-Gravity Wind reactions based on MWFRS M Brg Width = 5.5 Min Req = 1.5 N Brg Width = 5.5 Min Req = 1.5 Bearings M & N are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 1078 - 5562 D - E 847 - 3594 B - C 1063 - 4798 E - F 1063 - 4799 C - D 847 - 3594 F - G 1078 - 5562

Lumber
Top chord 2x6 SP 2400f-2.0E
Bot chord 2x8 SP 2400f-2.0E
Webs 2x4 SP #3 :W5 2x4 SP 2400f-2.0E:

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 7.25" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 4.06
TC: From 31 plf at 4.06 to 31 plf at 35.94
TC: From 62 plf at 35.94 to 62 plf at 40.00
BC: From 10 plf at 0.00 to 10 plf at 40.00
BC: 469 lb Conc. Load at 2.06,37.94
BC: 465 lb Conc. Load at 4.06,35.94
BC: 480 lb Conc. Load at 6.06,33.94
BC: 456 lb Conc. Load at 8.06,31.94
BC: 451 lb Conc. Load at 10.06,29.94
BC: 446 lb Conc. Load at 12.06,27.94
BC: 370 lb Conc. Load at 14.06,25.94
BC: 366 lb Conc. Load at 16.06,23.94
BC: 361 lb Conc. Load at 18.06,21.94
BC: 357 lb Conc. Load at 20.00

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

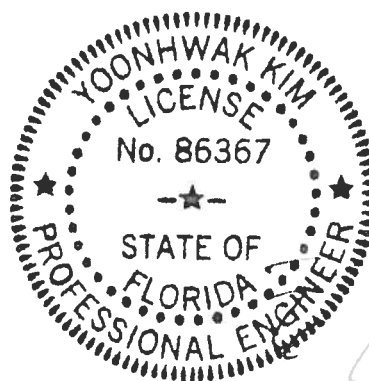
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10'-6".

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - L	5142 - 979	J - I	4445 - 988
L - K	5184 - 994	I - H	5184 - 994
K - J	4445 - 988	H - G	5142 - 979

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - K	8 - 667	J - E	197 - 1096
K - C	740 - 113	E - I	740 - 113
C - J	197 - 1096	I - F	8 - 667
D - J	3118 - 716		



#0-278
09/09/2019

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

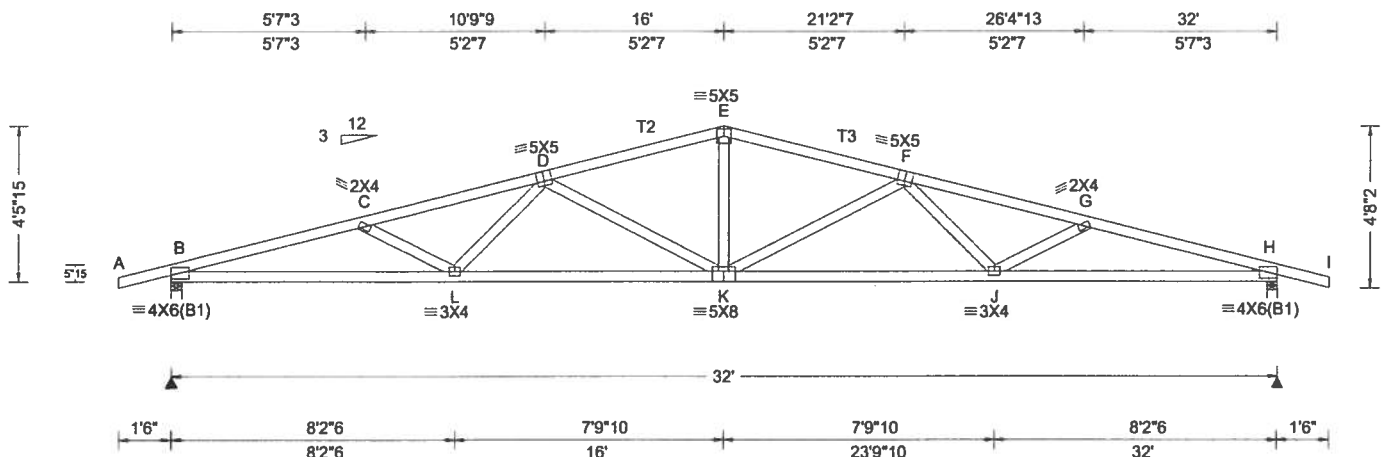
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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SEQN: 650275 FROM: CDM	CONN Qty: 5	Ply: 1	Job Number: 19-3463 /MARK GANSKOP RES. /Contractor Truss Label: B01	Cust: R215 JRef: 1W0d2150003 T4 DrwNo: 252.19.1440.53923 / YK 09/09/2019
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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 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.20 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/def L/# VERT(LL): 0.277 K 999 240 VERT(CL): 0.548 K 694 180 HORZ(LL): 0.067 J - - HORZ(TL): 0.132 J - - Creep Factor: 2.0 Max TC CSI: 0.677 Max BC CSI: 0.638 Max Web CSI: 0.524 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1387 /- /- /690 /169 /48 H 1387 /- /- /690 /169 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 H Brg Width = 3.5 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 843 -3667 E - F 646 -2569 C - D 787 -3426 F - G 786 -3426 D - E 646 -2569 G - H 842 -3667

Lumber

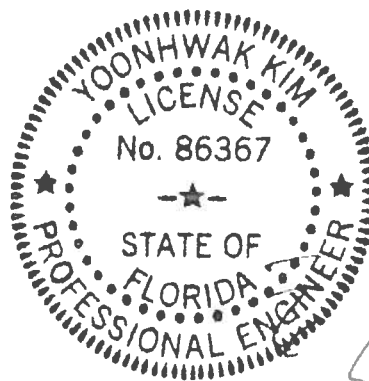
Top chord 2x4 SP 2400f-2.0E :T2, T3 2x4 SP #2:
Bot chord 2x4 SP 2400f-2.0E
Webs 2x4 SP #3

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 4-5-15.



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09/09/2019

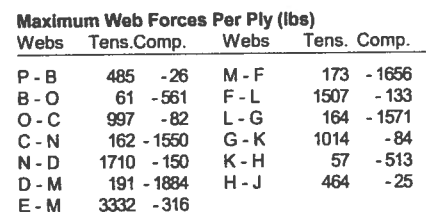
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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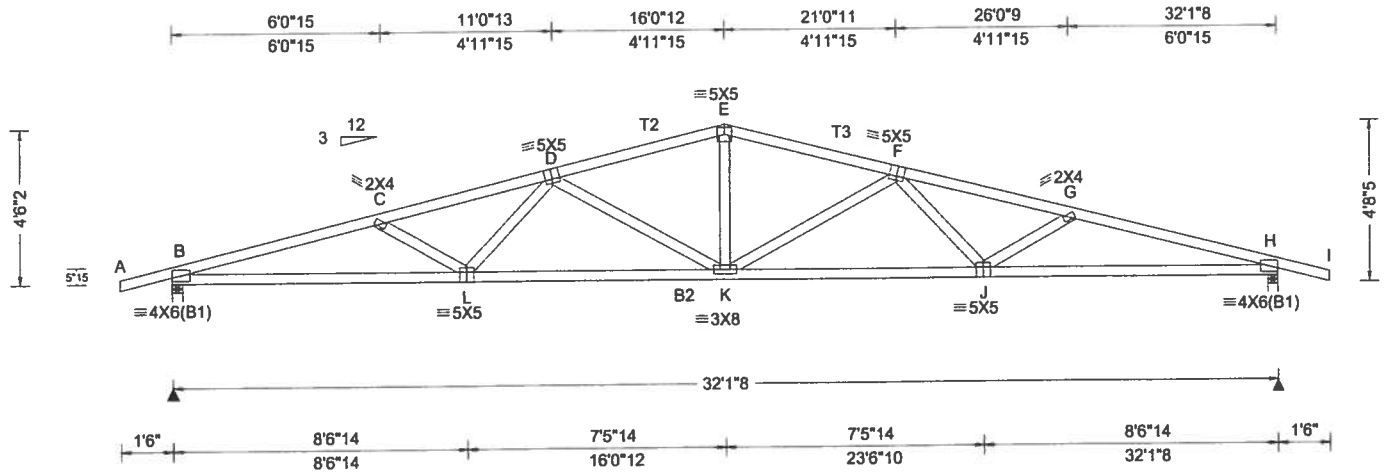


SEQN: 650259
FROM: CDM

COMN Ply: 1
Qty: 5

Job Number: 19-3463
/MARK GANSKOP RES. /Contractor
Truss Label: C01

Cust: R 215 JRef: 1W0d2150003 T54
DrwNo: 252.19.1441.23967
/ YK 09/09/2019



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

Wind Criteria
Wind Std: ASCE 7-10
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: 3.21 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT: 20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.300 K 999 240
VERT(CL): 0.595 K 641 180
HORZ(LL): 0.078 J - -
HORZ(TL): 0.155 J - -
Creep Factor: 2.0
Max TC CSI: 0.646
Max BC CSI: 0.971
Max Web CSI: 0.490

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)						
Loc	Gravity			Non-Gravity		
	R+	/R-	/Rh	/Rw	/U	/RL
B	1392	/-	/-	/692	/169	/49
H	1392	/-	/-	/692	/169	/-
Wind reactions based on MWFRS						
B	Brg Width = 3.5			Min Req = 1.5		
H	Brg Width = 3.5			Min Req = 1.5		
Bearings B & H are a rigid surface.						
Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)						
Chords	Tens.Comp.		Chords	Tens. Comp.		
B - C	848	-3680	E - F	649	-2572	
C - D	792	-3425	F - G	791	-3425	
D - E	648	-2572	G - H	848	-3680	

Lumber

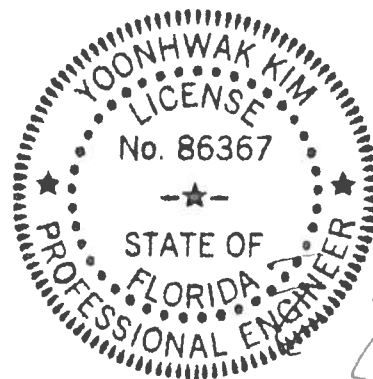
Top chord 2x4 SP 2400f-2.0E :T2, T3 2x4 SP #2:
Bot chord 2x4 SP 2400f-2.0E :B2 2x4 SP #2:
Webs 2x4 SP #3

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'-6"-2."



#0-278
09/09/2019

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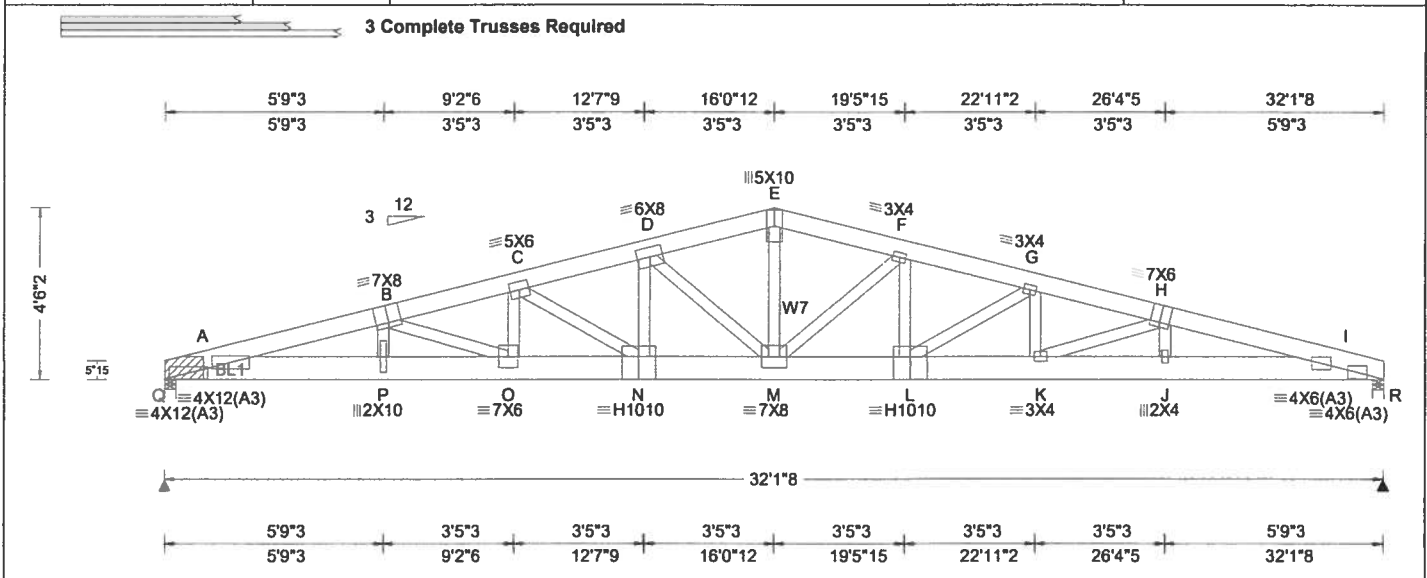
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-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; SBCE: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
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Suite 305
Orlando FL, 32821

SEQN: 650257 FROM: CDM	COMN Ply: 3 Qty: 1	Job Number: 19-3463 /MARK GANSKOP RES./Contractor Truss Label: C02	Cust: R215 JRef:1W0d2150003 TB DrwNo: 252.19.1441.46313 / YK 09/09/2019
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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: 3.21 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, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.449 N 851 240 VERT(CL): 0.891 N 428 180 HORZ(LL): 0.089 J - - HORZ(TL): 0.177 J - - Creep Factor: 2.0 Max TC CSI: 0.670 Max BC CSI: 0.907 Max Web CSI: 0.974 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL Q 13597 /- /- /- /304 /- R 6084 /- /- /- /267 /- Wind reactions based on MWFRS Q Brg Width = 3.5 Min Req = - R Brg Width = 3.5 Min Req = 1.7 Bearings Q & R are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 316-13683 E - F 201 -7452 B - C 291-12186 F - G 235 -7603 C - D 246 -9816 G - H 269 -7730 D - E 201 -7451 H - I 286 -7359

Lumber
Top chord 2x6 SP 2400f-2.0E
Bot chord 2x8 SP 2400f-2.0E
Webs 2x4 SP #3 :W7 2x4 SP #2:

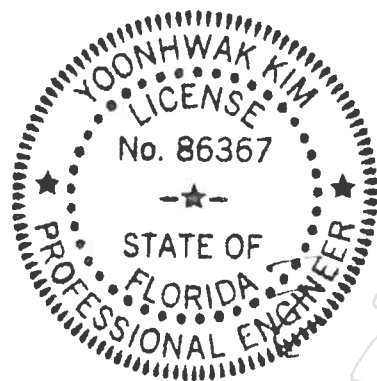
Nailnote
Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 61 plf at 0.00 to 61 plf at 32.13
BC: From 10 plf at 0.00 to 10 plf at 17.06
BC: From 20 plf at 17.06 to 20 plf at 32.13
BC: 1916 lb Conc. Load at 1.06,13.06,15.06,17.06
BC: 1920 lb Conc. Load at 3.06, 5.06, 7.06, 9.06
11.06

Wind
Wind loads and reactions based on MWFRS.

Bearing Block(s)
Brg blocks:0.128"x3", min. nails
brg x-loc #blocks length/blk #nails/blk wall plate
1 0.000' 1 12" 8 Rigid Surface
Brg block to be same size and species as chord.
Refer to drawing CNNAILSP1014 for more information.

WARNING! This truss is not symmetric, but its exterior geometry makes erection error more probable.
It is imperative that this truss be installed properly.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - P	13281 -304	M - L	7347 -224
P - O	13221 -305	L - K	7508 -258
O - N	11636 -278	K - J	7138 -275
N - M	9321 -233	J - I	7123 -274

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
P - B	937 0	N - D	2558 -22
B - O	28 -1516	D - M	56 -2849
O - C	1936 -11	E - M	3364 -65
C - N	53 -2606	K - H	402 0

#0-278
09/09/2019

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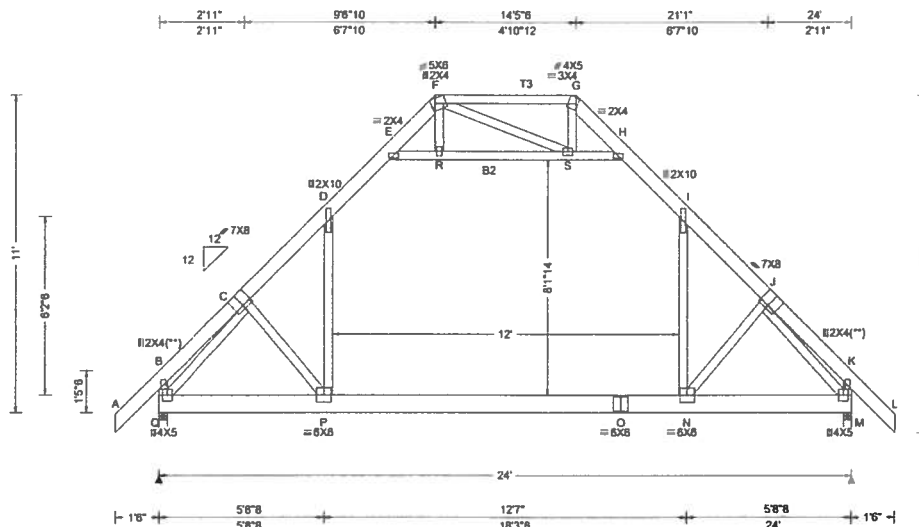
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SEQN: 649733 FROM: CDM	ATIC Qty: 11	Job Number: 19-3463 /MARK GANSKOP RES. /Contractor Truss Label: D01	Cust: R 215 JRef: 1W0d2150003 T56 DrwNo: 252.19.1441.59423 / YK 09/09/2019
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Loading Criteria (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: EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 0.00	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): 0.114 N 999 480 VERT(CL): 0.268 N 999 360 HORZ(LL): 0.109 D - - HORZ(TL): 0.256 D - - Creep Factor: 2.0 Max TC CSI: 0.459 Max BC CSI: 0.512 Max Web CSI: 0.943 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL Q 2030 /- /- /- /- /- M 2030 /- /- /- /- /- Wind reactions based on MWFRS Q Brg Width = 3.5 Min Req = 1.7 M Brg Width = 3.5 Min Req = 1.7 Bearings Q & M are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 0 - 2388 H - I 0 - 1414 D - E 0 - 1413 I - J 0 - 2386

Lumber

Top chord 2x6 SP 2400f-2.0E :T3 2x4 SP #2:
Bot chord 2x8 SP 2400f-2.0E :B2 2x4 SP #2:
Webs 2x4 SP #3

Plating Notes

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

Loading

Attic room loading from 6-0-0 to 18-0-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Additional Notes

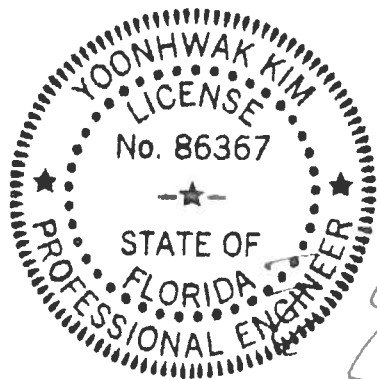
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 11-0-0.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
Q - P	1512 0	O - N	1432 0
P - O	1432 0	N - M	1511 0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
Q - C	0 - 2430	S - H	0 - 1625
D - P	1217 0	N - I	1214 0
E - R	0 - 1601	J - M	0 - 2428
R - S	0 - 1572		



#0-278
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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

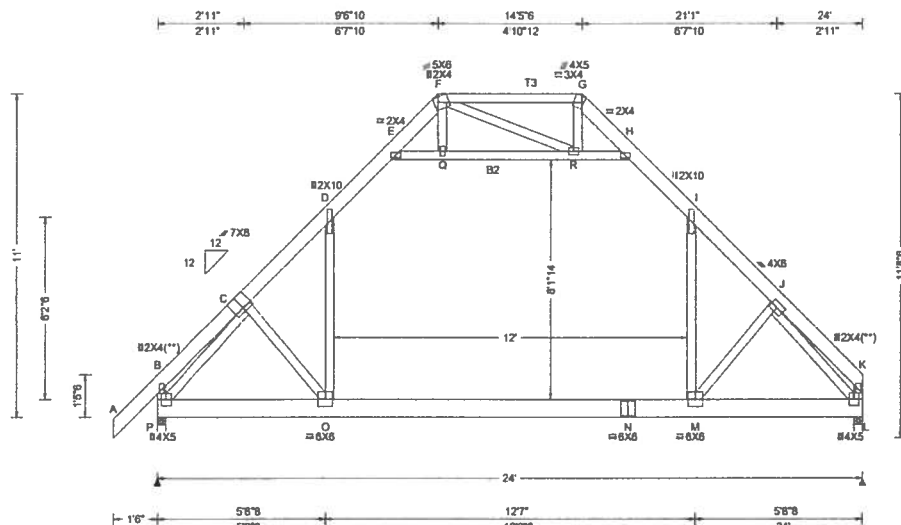
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For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 649737 FROM: CDM	ATIC Qty: 7	Ply: 1	Job Number: 19-3463 /MARK GANSKOP RES. /Contractor Truss Label: D02	Cust: R215 JRef: 1W0d2150003 T53 DrwNo: 252.19.1442.04053 / YK 09/09/2019
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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: EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 0.00	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/def L/# VERT(LL): 0.116 M 999 480 VERT(CL): 0.273 M 999 360 HORZ(LL): 0.108 D - - HORZ(TL): 0.254 D - - Creep Factor: 2.0 Max TC CSI: 0.460 Max BC CSI: 0.512 Max Web CSI: 0.956 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL P 2034 /- /- /- /- /- L 1916 /- /- /- /- /- Non-Gravity Wind reactions based on MWFRS P Brg Width = 3.5 Min Req = 1.7 L Brg Width = 3.5 Min Req = 1.6 Bearings P & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 0 - 2395 H - I 0 - 1416 D - E 0 - 1417 I - J 0 - 2402

Lumber

Top chord 2x6 SP 2400f-2.0E :T3 2x4 SP #2:
Bot chord 2x8 SP 2400f-2.0E :B2 2x4 SP #2:
Webs 2x4 SP #3

Plating Notes

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

Loading

Attic room loading from 6-0-0 to 18-0-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Additional Notes

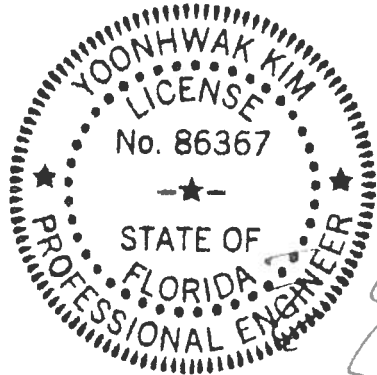
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 11-0-0.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
P - O	1516 0	N - M	1437 0
O - N	1437 0	M - L	1536 0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
P - C	0 - 2437	R - H	0 - 1630
D - O	1221 0	M - I	1223 0
E - Q	0 - 1610	J - L	0 - 2463
Q - R	0 - 1581		



#0-278
09/09/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

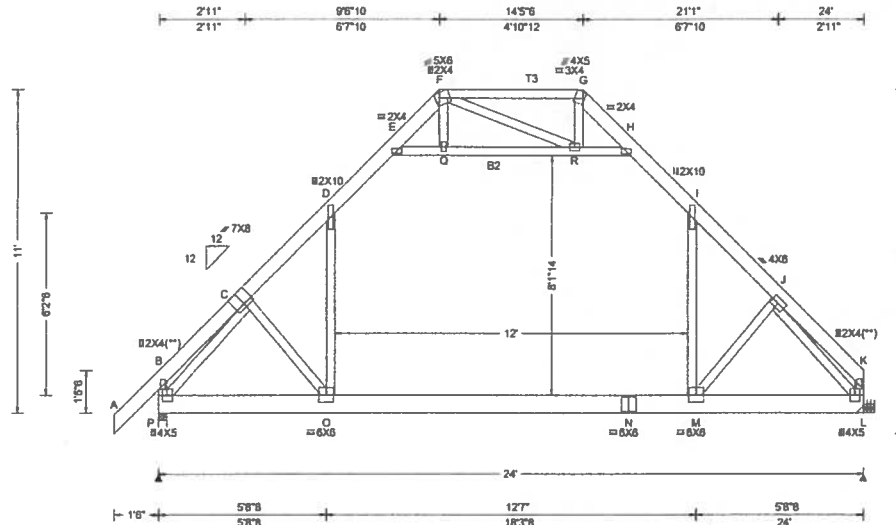
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Orlando FL, 32821



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/#	GravityNon-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.116 M 999 480	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.273 M 999 360	P 2034 -/-/-/-/-/-
BCDL: 10.00	Risk Category:	Snow Duration: NA	HORZ(LL): 0.108 D - -	L 1916 -/-/-/-/-/-
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria	HORZ(TL): 0.254 D - -	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 0.00 ft		Creep Factor: 2.0	P Brg Width = 3.5 Min Req = 1.7
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.460	L Brg Width = - Min Req = -
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.512	Bearing P is a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.956	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	Rep Fac: No		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: NA	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 0.00	WAVE	VIEW Ver: 18.02.01B.0321.08	C - D 0 - 2395 H - I 0 - 1416

Lumber
 Top chord 2x6 SP 2400f-2.0E :T3 2x4 SP #2:
 Bot chord 2x8 SP 2400f-2.0E :B2 2x4 SP #2:
 Webs 2x4 SP #3

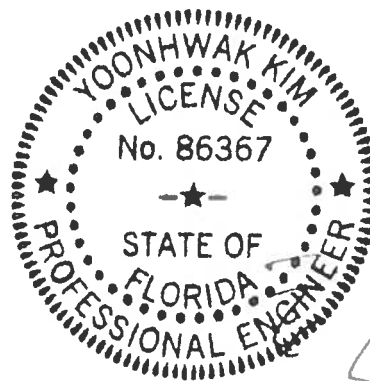
Plating Notes
 (**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

Loading
 Attic room loading from 6-0-0 to 18-0-0: Live Load: 40 PSF, Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins
 Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

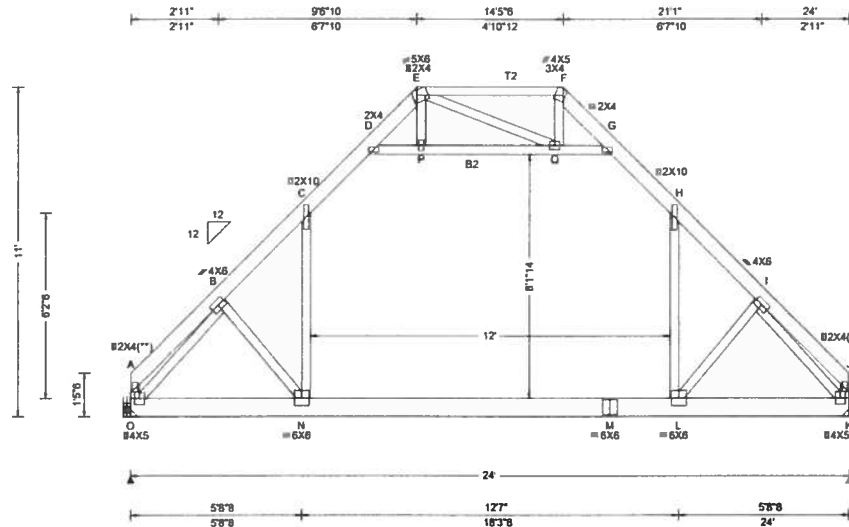
Additional Notes
 Refer to General Notes for additional information
 The overall height of this truss excluding overhang is 11-0-0.



#0-278
 09/09/2019

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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: EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 0.00	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): 0.116 L 999 480 VERT(CL): 0.272 L 999 360 HORZ(LL): 0.110 C - - HORZ(TL): 0.259 C - - Creep Factor: 2.0 Max TC CSI: 0.461 Max BC CSI: 0.512 Max Web CSI: 0.959 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL O 1920 /- /- /- /- /- K 1920 /- /- /- /- /- Non-Gravity Loc R+ /R- /Rh /Rw /U /RL O 1920 /- /- /- /- /- K 1920 /- /- /- /- /- Wind reactions based on MWFRS O Brg Width = - Min Req = - K Brg Width = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 0 -2411 G - H 0 -1421 C - D 0 -1420 H - I 0 -2409

Lumber
Top chord 2x6 SP 2400f-2.0E :T2 2x4 SP #2:
Bot chord 2x8 SP 2400f-2.0E :B2 2x4 SP #2:
Webs 2x4 SP #3

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

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 O (0', 10') HUS26

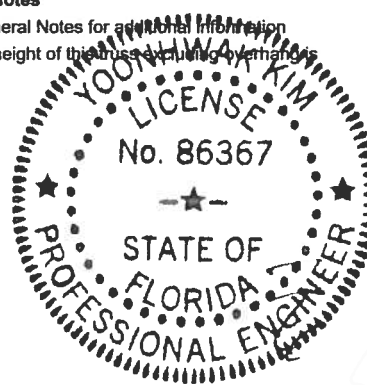
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

(J) Hanger Support Required, by others

Loading
Attic room loading from 6-0-0 to 18-0-0: Live Load: 40 PSF, Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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



#0-278
09/09/2019

Maximum Bot Chord Forces Per Ply (lbs)				
Chords	Tens.Comp.	Chords	Tens. Comp.	
O - N	1541	0	M - L	1442 0
N - M	1442	0	L - K	1540 0

Maximum Web Forces Per Ply (lbs)				
Webs	Tens.Comp.	Webs	Tens. Comp.	
O - B	0 -2472	Q - G	0 -1639	
C - N	1230 0	L - H	1227 0	
D - P	0 -1616	I - K	0 -2470	
P - Q	0 -1587			

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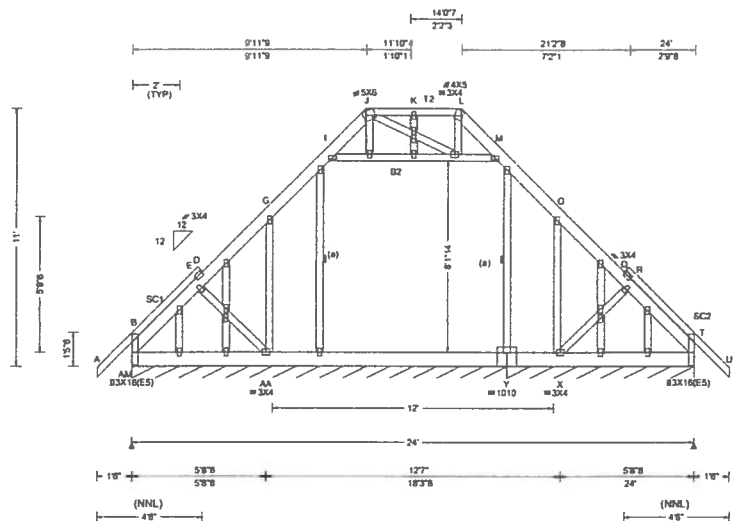
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SEQN: 649770 FROM: CDM	GABL Qty: 1	Ply: 1 Job Number: 19-3463 /MARK GANSKOP RES. /Contractor Truss Label: D05	Cust: R 215 JRef: 1W0d2150003 T65 DrwNo: 252.19.1442.23730 / YK 09/09/2019
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Loading Criteria (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: EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 0.00	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): 0.011 K 999 240 VERT(CL): 0.022 K 999 180 HORZ(LL): -0.004 AC - - HORZ(TL): 0.008 AC - - Creep Factor: 2.0 Max TC CSI: 0.098 Max BC CSI: 0.164 Max Web CSI: 0.156 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL AM*201 /- /- /- /- /- Y* 105 /- /- /- /- /- Wind reactions based on MWFRS AM Brg Width = 192 Min Req = - Y Brg Width = 96.0 Min Req = - Bearings AM & Y 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. I - J 0 -415 L - M 0 -413

Lumber

Top chord 2x6 SP 2400f-2.0E :T2 2x4 SP #2:
Bot chord 2x8 SP 2400f-2.0E :B2 2x4 SP #2:
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP 2400f-2.0E:
:Stack Chord SC2 2x4 SP 2400f-2.0E:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

Attic room loading from 6-0-0 to 18-0-0: Live Load: 40 PSF, Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

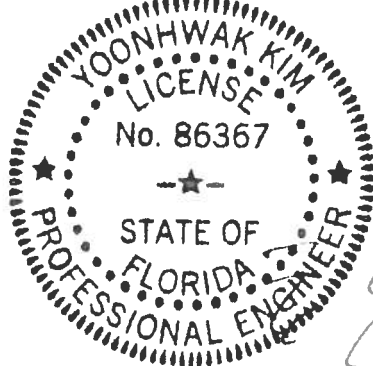
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Additional Notes

Refer to General Notes for additional information

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 11-0-0.



#0-278
09/09/2019

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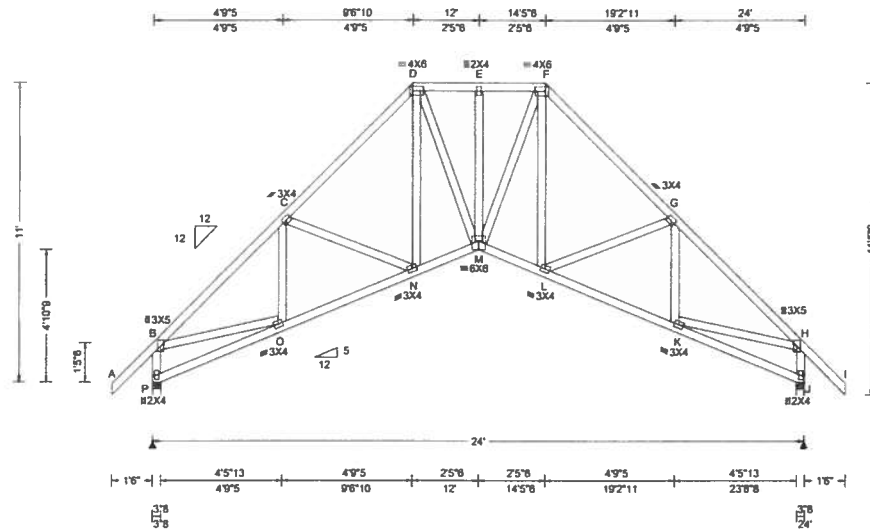
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SEQN: 649775 FROM: CDM	COMN Qty: 9	Ply: 1 Job Number: 19-3463 /MARK GANSKOP RES. /Contractor Truss Label: H01	Cust: R 215 JRef: 1W0d2150003 T52 DrwNo: 252.19.1442.30793 / YK 09/09/2019
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Loading Criteria (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: EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 0.00	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): 0.048 E 999 240 VERT(CL): 0.107 E 999 180 HORZ(LL): 0.054 J - - HORZ(TL): 0.120 J - - Creep Factor: 2.0 Max TC CSI: 0.283 Max BC CSI: 0.331 Max Web CSI: 0.400 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL P 1190 /- /- /- /- /- J 1190 /- /- /- /- /- Wind reactions based on MWFRS P Brg Width = 3.5 Min Req = 1.5 J Brg Width = 3.5 Min Req = 1.5 Bearings P & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 0 - 1597 E - F 0 - 1099 C - D 0 - 1421 F - G 0 - 1421 D - E 0 - 1099 G - H 0 - 1597

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

Additional Notes

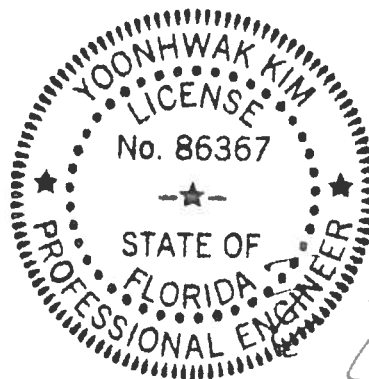
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 11'-0".

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
O - N	1165 0	M - L	997 0
N - M	997 0	L - K	1165 0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - P	0 - 1153	M - F	462 0
B - O	1049 0	K - H	1049 0
D - M	462 0	H - J	0 - 1153



#0-278
09/09/2019

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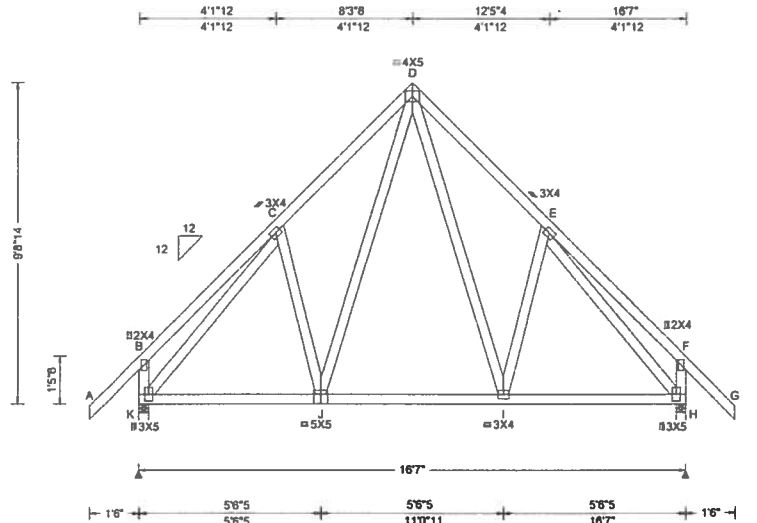
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Suite 305
Orlando FL, 32821

SEQN: 650299 FROM: CDM	COMN Ply: 1 Qty: 10	Job Number: 19-3463 /MARK GANSKOP RES. /Contractor Truss Label: K01	Cust: R 215 JRef: 1W0d2150003 T9 DrwNo: 252.19.1443.23310 / YK 09/09/2019
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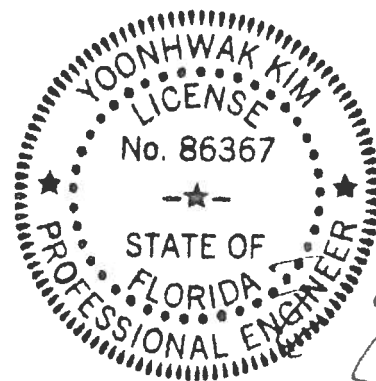
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: 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): 0.014 I 999 240 VERT(CL): 0.028 I 999 180 HORZ(LL): 0.009 F - - HORZ(TL): 0.019 F - - Creep Factor: 2.0 Max TC CSI: 0.222 Max BC CSI: 0.361 Max Web CSI: 0.615 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL K 904 /- /- /513 /113 /348 H 905 /- /- /513 /113 /- Non-Gravity Wind reactions based on MWFRS K Brg Width = 3.5 Min Req = 1.5 H Brg Width = 3.5 Min Req = 1.5 Bearings K & 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. C - D 351 -743 D - E 351 -745

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

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 9-8-14.



#0-278
09/09/2019

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
K - J	490 -194	I - H	489 -40

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
K - C	54 -767	E - H	53 -769

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

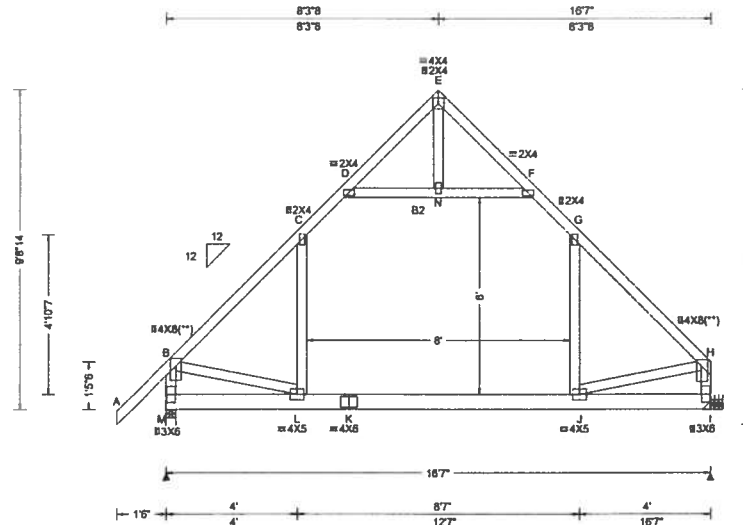
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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
A21ITW COMPANY
6750 Forum Drive
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Orlando FL, 32821

SEQN: 650285 FROM: CDM	ATIC Qty: 17	Ply: 1 Qty: 17	Job Number: 19-3463 /MARK GANSKOP RES /Contractor Truss Label: K02	Cust: R215 JRef:1W0d2150003 T63 DrwNo: 252.19.1443.28777 / YK 09/09/2019
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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): 0.074 J 999 240 VERT(CL): 0.180 J 999 180 HORZ(LL): -0.082 G - - HORZ(TL): 0.203 G - - Creep Factor: 2.0 Max TC CSI: 0.421 Max BC CSI: 0.368 Max Web CSI: 0.294 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL M 1259 /- /- /516 /113 /319 I 1138 /- /- /445 /91 /- Wind reactions based on MWFRS M Brg Width = 3.5 Min Req = 1.5 I Brg Width = - Min Req = - Bearing M is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 163 -1259 F - G 181 -780 C - D 173 -778 G - H 142 -1245

Lumber	Additional Notes	Maximum Bot Chord Forces Per Ply (lbs)
Top chord 2x4 SP 2400f-2.0E Bot chord 2x6 SP 2400f-2.0E :B2 2x4 SP #2: Webs 2x4 SP #3	Refer to General Notes for additional information The overall height of this truss excluding overhang is 9-8-14.	Chords Tens.Comp. Chords Tens. Comp. L - K 769 -55 K - J 769 -55

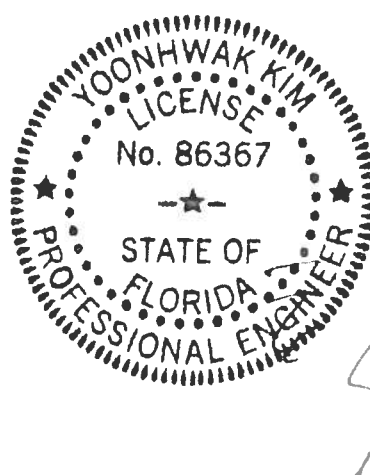
Plating Notes	Maximum Web Forces Per Ply (lbs)
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.	Webs Tens.Comp. Webs Tens. Comp. B - M 218 -1308 N - F 236 -809 B - L 771 -122 G - J 490 -127 L - C 505 -105 J - H 760 -72 D - N 236 -809 H - I 132 -1174

Hangers / Ties	Maximum Bot Chord Forces Per Ply (lbs)
(J) Hanger Support Required, by others	Chords Tens.Comp. Chords Tens. Comp. L - K 769 -55 K - J 769 -55

Loading	Maximum Web Forces Per Ply (lbs)
Attic room loading from 4-3-8 to 12-3-8: Live Load: 30 PSF. Dead Load: 10 PSF Ceiling: 5 PSF, Kneewalls: 5 PSF Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.	Webs Tens.Comp. Webs Tens. Comp. B - M 218 -1308 N - F 236 -809 B - L 771 -122 G - J 490 -127 L - C 505 -105 J - H 760 -72 D - N 236 -809 H - I 132 -1174

Purlins	Maximum Bot Chord Forces Per Ply (lbs)
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.	Chords Tens.Comp. Chords Tens. Comp. L - K 769 -55 K - J 769 -55

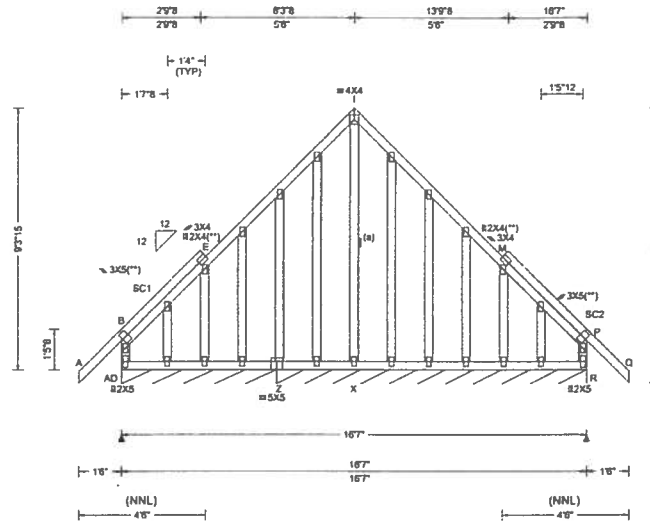
Wind	Maximum Web Forces Per Ply (lbs)
Wind loads based on MWFRS with additional C&C member design.	Webs Tens.Comp. Webs Tens. Comp. B - M 218 -1308 N - F 236 -809 B - L 771 -122 G - J 490 -127 L - C 505 -105 J - H 760 -72 D - N 236 -809 H - I 132 -1174



#0-278
09/09/2019

****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 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.
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; SBCEA: www.sbceaindustry.com; ICC: www.iccsafe.org

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Suite 305
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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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.007 I 999 240 VERT(CL): 0.011 I 999 180 HORZ(LL): -0.088 P - - HORZ(TL): 0.117 P - - Creep Factor: 2.0 Max TC CSI: 0.400 Max BC CSI: 0.214 Max Web CSI: 0.386 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL AD*175 /- /- /116 /80 /95 Z* 141 /- /- /84 /- /- Wind reactions based on MWFRS AD Brg Width = 66.3 Min Req = - Z Brg Width = 132 Min Req = - Bearings AD & Z 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 - E 413 -418 I - M 706 -189 B - E 395 -227 M - P 407 -413 E - I 706 -195 M - P 389 -227

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:

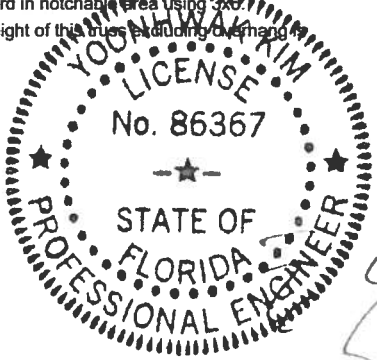
Bracing
(a) Continuous lateral restraint equally spaced on member.
Fasten rated sheathing to one face of this frame.

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

Loading
Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

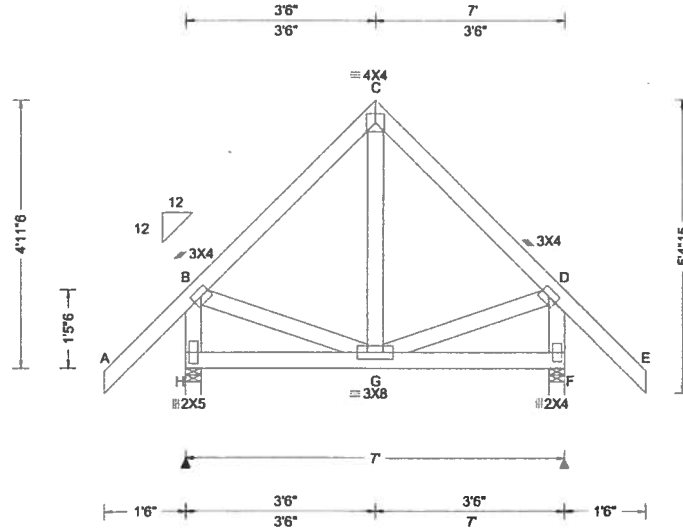
Wind
Wind loads based on MWFRS with additional C&C member design.

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 notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x4.
The overall height of this truss including overhang 9-3-15.



#0-278
09/09/2019

SEQN: 649763 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 19-3463 /MARK GANSKOP RES. /Contractor Truss Label: L01	Cust: R215 JRef: 1W0d2150003 T3 DrwNo: 252.19.1443.33200 / YK 09/09/2019
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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): 0.001 G 999 240 VERT(CL): 0.003 G 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.241 Max BC CSI: 0.106 Max Web CSI: 0.077 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL H 420 /- /- /267 /59 /196 F 420 /- /- /267 /59 /- Wind reactions based on MWFRS H Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings H & F are a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - H 183 -391 D - F 180 -391

Lumber

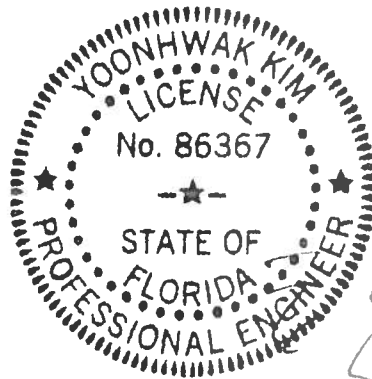
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4'-11-6".



#0-278
09/09/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

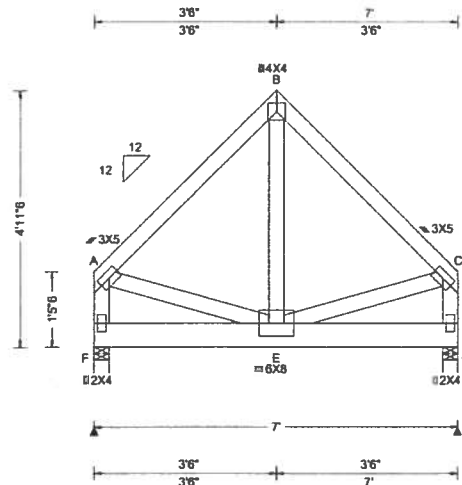
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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Orlando FL, 32821

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA 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): 0.013 E 999 240 VERT(CL): 0.025 E 999 180 HORZ(LL): 0.001 A - - HORZ(TL): 0.001 A - - Creep Factor: 2.0 Max TC CSI: 0.107 Max BC CSI: 0.301 Max Web CSI: 0.556 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL F 2572 /- /- /- /61 /- D 3757 /- /- /- /68 /- Non-Gravity Wind reactions based on MWFRS F Brg Width = 3.5 Min Req = 1.5 D Brg Width = 3.5 Min Req = 1.6 Bearings F & D are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 34 - 1166 B - C 34 - 1166

Lumber

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

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

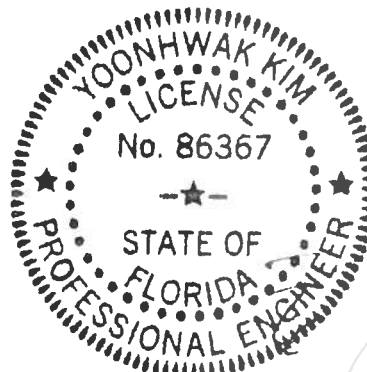
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 68 plf at 0.00 to 68 plf at 7.00
BC: From 20 plf at 0.00 to 20 plf at 2.23
BC: From 10 plf at 2.23 to 10 plf at 7.00
BC: 1920 lb Conc. Load at 2.23, 4.23, 6.23

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'-11-6."

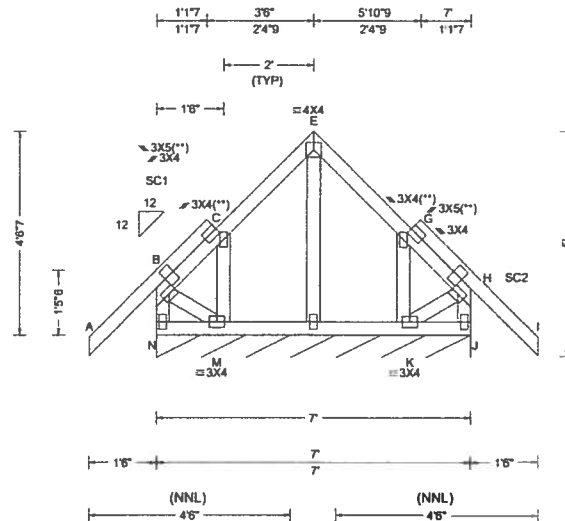


#0-278
09/09/2019

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

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SEQN: 649765 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 19-3463 /MARK GANSKOP RES. /Contractor Truss Label: L03	Cust: R 215 JRef: 1W0d2150003 T5 DrwNo: 252.19.1443.45827 / YK 09/09/2019
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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: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.003 H 999 240 VERT(CL): 0.003 H 999 180 HORZ(LL): -0.007 B - - HORZ(TL): 0.007 B - - Creep Factor: 2.0 Max TC CSI: 0.376 Max BC CSI: 0.062 Max Web CSI: 0.081 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL N* 177 /- /- /91 /111 /41 Wind reactions based on MWFRS N Brg Width = 84.0 Min Req = - Bearing N is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 565 -551 G - H 601 -551

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:

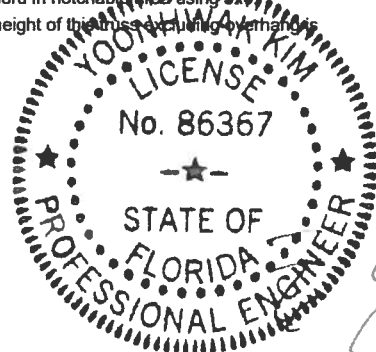
Plating Notes
All plates are 2X4 except as noted.
(**) 4 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Loading
Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

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

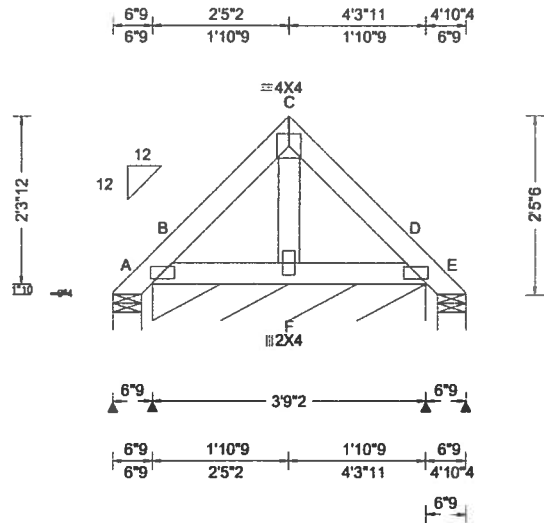
Additional Notes
Refer to General Notes for additional information
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x4 tie-plates 24" oc.
The overall height of this truss shall not be less than 4'-6".



#0-278
09/09/2019

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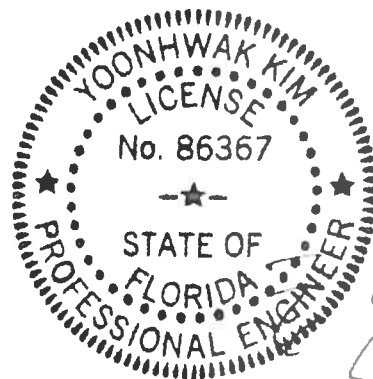
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.45 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): 0.000 F 999 240 VERT(CL): 0.000 F 999 180 HORZ(LL): 0.000 F - - HORZ(TL): 0.001 F - - Creep Factor: 2.0 Max TC CSI: 0.038 Max BC CSI: 0.031 Max Web CSI: 0.010 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL A 5 /-1 /- /68 /63 /72 B* 106 /- /- /67 /- /- E 5 /-1 /- /13 /8 /- Wind reactions based on MWFRS A Brg Width = 4.7 Min Req = 1.5 B Brg Width = 45.1 Min Req = - E Brg Width = 4.7 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.

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

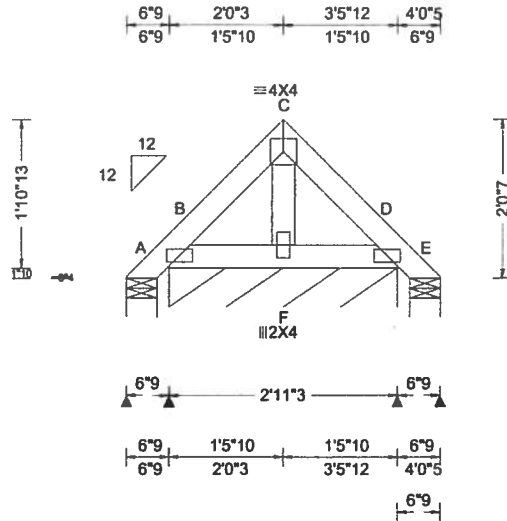
Additional Notes
Refer to General Notes for additional information
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 2-5-6.



#0-278
09/09/2019

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SEQN: 649780 FROM: CDM	GABL Ply: 1 Qty: 2	Job Number: 19-3463 /MARK GANSKOP RES. /Contractor Truss Label: P02	Cust: R 215 JRef: 1W0d2150003 T13 DrwNo: 252.19.1443.48810 / YK 09/09/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF							
				Gravity			Non-Gravity				
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#								
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 C 999 240								
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 C 999 180	A	7	/-	/-	/-	/-	/-	
BCDL: 10.00	Risk Category:	Snow Duration: NA	HORZ(LL): 0.000 F - -	B*	85	/-	/-	/-	/-	/-	
	EXP: C Kzt: NA		HORZ(TL): 0.000 F - -	E	7	/-	/-	/-	/-	/-	
Des Ld: 40.00	Mean Height: 0.00 ft		Creep Factor: 2.0	Wind reactions based on MWFRS							
NCBCLL: 0.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.021	A	Brg Width = 4.7		Min Req = 1.5				
Soffit: 2.00	BCDL: 2.0 psf		Max BC CSI: 0.007	B	Brg Width = 35.2		Min Req = -				
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.009	E	Brg Width = 4.7		Min Req = 1.5				
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No		Bearings A, B, & E are a rigid surface.							
	Loc. from endwall: NA	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#							
	GCpi: 0.18	Plate Type(s):									
	Wind Duration: 0.00	WAVE	VIEW Ver: 18.02.01B.0321.08								

Lumber

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

Plating Notes

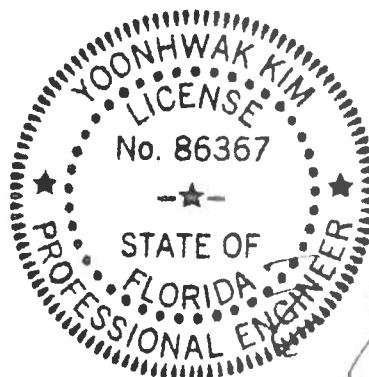
All plates are 2X4(A1) except as noted.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2'-0"-7".

Refer to drawing PB160101014 for piggyback detail.



#0-278
09/09/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

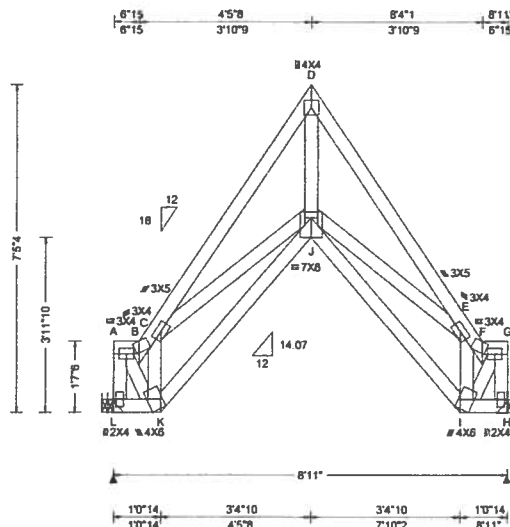
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.44 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/def L/# VERT(LL): 0.018 J 999 240 VERT(CL): 0.043 J 999 180 HORZ(LL): 0.032 H - - HORZ(TL): 0.072 H - - Creep Factor: 2.0 Max TC CSI: 0.185 Max BC CSI: 0.179 Max Web CSI: 0.335 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL L 465 /- /- /375 /14 /221 H 465 /- /- /375 /14 /- Non-Gravity Wind reactions based on MWFRS L Brg Width = - Min Req = - H Brg Width = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 21 -799 D - E 173 -832

Lumber

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

Hangers / Ties

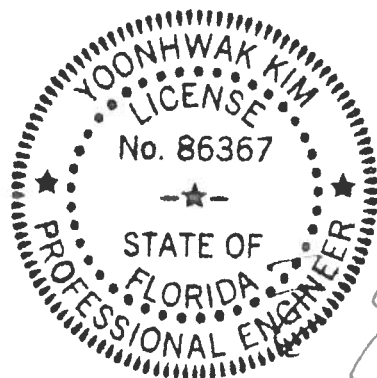
(J) Hanger Support Required, by others

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 7'-5-4.



#0-278
09/09/2019

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
K - J	615 -235	J - I	441 -136

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
A - L	93 -462	J - E	419 -268
A - K	460 -162	I - E	233 -591
C - K	234 -591	I - G	460 -162
D - J	1049 -177	G - H	93 -462

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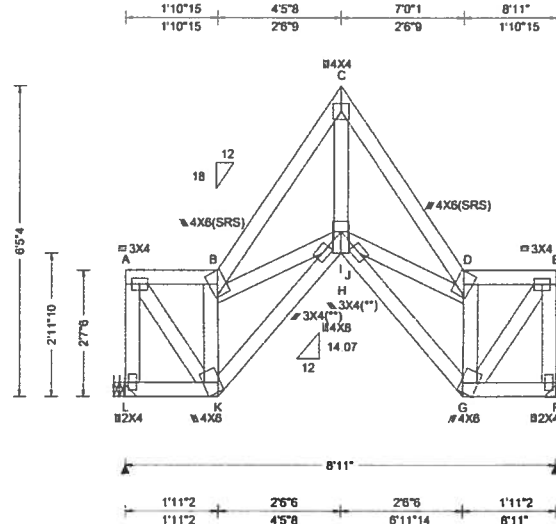
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SEQN: 649674 FROM: CDM	COMN Ply: 1 Qty: 6	Job Number: 19-3463 /MARK GANSKOP RES. /Contractor Truss Label: R05	Cust: R 215 JRef: 1W0d2150003 T39 DrwNo: 252.19.1444.44110 / YK 09/09/2019
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Loading Criteria (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: 22.44 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): 0.015 J 999 240 VERT(CL): 0.039 J 999 180 HORZ(LL): 0.019 F - - HORZ(TL): 0.048 F - - Creep Factor: 2.0 Max TC CSI: 0.110 Max BC CSI: 0.159 Max Web CSI: 0.326 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh L 456 /- /- /319 /38 /144 F 456 /- /- /319 /38 /- Non-Gravity Loc R+ /R- /Rh L Brg Width = - Min Req = - F Brg Width = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 128 -718 C - D 128 -718

Lumber

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

Plating Notes

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

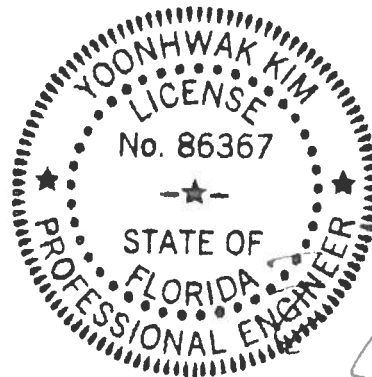
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 6'-5.4."



#0-278
09/09/2019

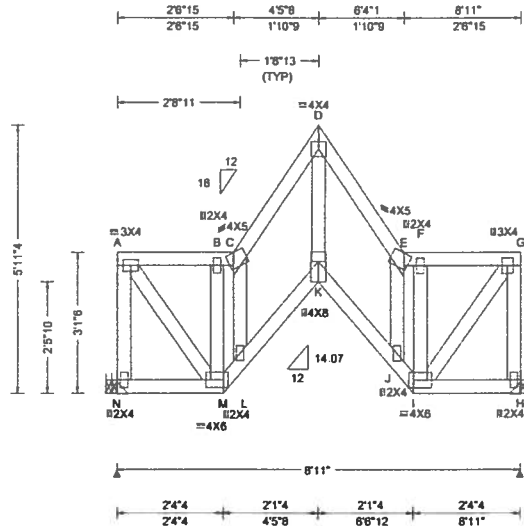
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
K - J	522 -137	I - H	560 -27
J - I	560 -73	H - G	522 -137

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
A - L	136 -439	G - D	215 -696
A - K	499 -141	G - E	499 -141
B - K	215 -696	E - F	136 -439
C - I	855 -105		

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SEQN: 649672 FROM: CDM	COMN Qty: 1 Qty: 6	Job Number: 19-3463 /MARK GANSKOP RES. /Contractor Truss Label: R06	Cust: R 215 JRef: 1W0d2150003 T31 DrwNo: 252.19.1444.45930 / YK 09/09/2019
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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: 22.94 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): 0.037 K 999 240 VERT(CL): 0.089 K 999 180 HORZ(LL): 0.066 E - - HORZ(TL): 0.145 H - - Creep Factor: 2.0 Max TC CSI: 0.288 Max BC CSI: 0.275 Max Web CSI: 0.297 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL N 451 /- /- /288 /60 /105 H 451 /- /- /288 /60 /- Wind reactions based on MWFRS N Brg Width = - Min Req = - H Brg Width = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 199 -622 D - E 199 -622

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

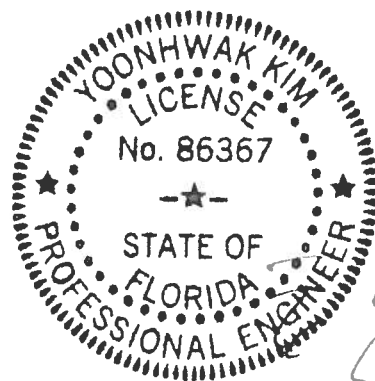
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 5-11-4.

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
L - K	505 -138	K - J	505 -138

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
A - N	155 -455	I - F	140 -580
A - M	570 -134	I - G	570 -134
B - M	113 -580	G - H	155 -455
D - K	779 -230		

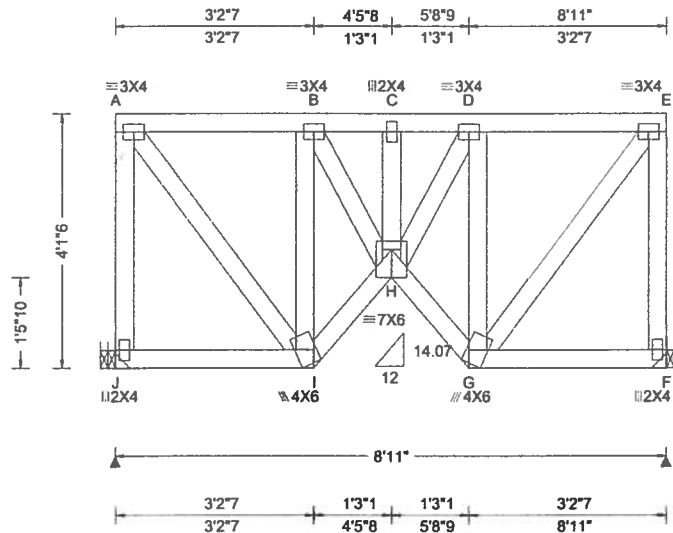


#0-278
09/09/2019

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SEQN: 649681 FROM: CDM	FLAT Ply: 1 Qty: 6	Job Number: 19-3463 /MARK GANSKOP RES. /Contractor Truss Label: R08	Cust: R215 JRef:1W0d2150003 T29 DrwNo: 252.19.1444.50307 / YK 09/09/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/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: 23.53 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): 0.009 H 999 240 VERT(CL): 0.019 H 999 180 HORZ(LL): 0.007 F - - HORZ(TL): 0.015 F - - Creep Factor: 2.0 Max TC CSI: 0.119 Max BC CSI: 0.116 Max Web CSI: 0.140 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL J 370 /- /- /196 /112 /- F 370 /- /- /196 /112 /- Wind reactions based on MWFRS J Brg Width = - Min Req = - F Brg Width = - Min Req = - Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - I 202 -442 D - G 202 -442

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

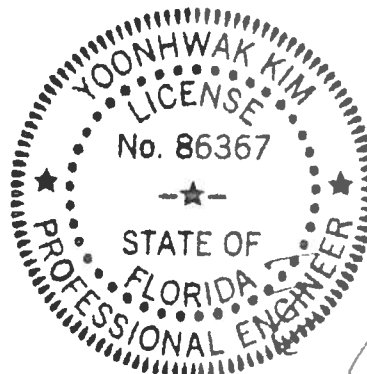
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4'-1-6.



#0-278
09/09/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

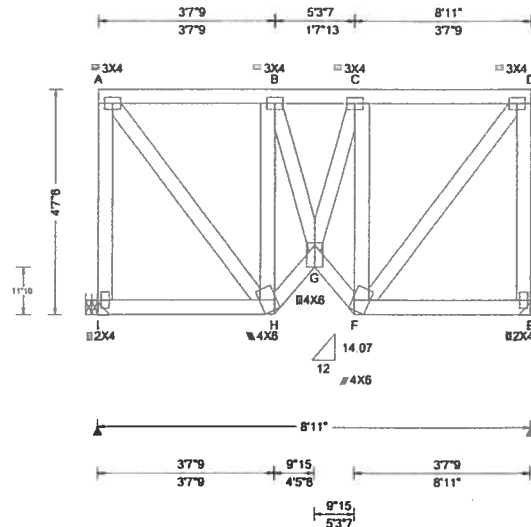
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

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AN ITW COMPANY
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	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): 0.008 G 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.017 G 999 180	I 366 /- /- /192 /121 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 E - -	E 366 /- /- /192 /121 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.012 E - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 25.53 ft	Code / Misc Criteria	Creep Factor: 2.0	I Brg Width = - Min Req = -
Soffit: 2.00	TCDL: 5.0 psf	Bldg code: FBC 2017 RES	Max TC CSI: 0.166	E Brg Width = - Min Req = -
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.116	Members not listed have forces less than 375#
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.145	Maximum Web Forces Per Ply (lbs)
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Webs Tens.Comp. Webs Tens. Comp.
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		B - H 187 - 375 C - F 187 - 375
	GCpi: 0.18	WAVE	VIEW Ver: 18.02.01B.0321.08	
	Wind Duration: 1.60			

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

Hangars / Ties

(J) Hanger Support Required, by others

Wind

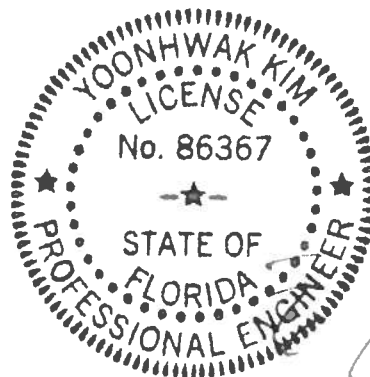
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

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



#0-278
09/09/2019

****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 SBICA) 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.

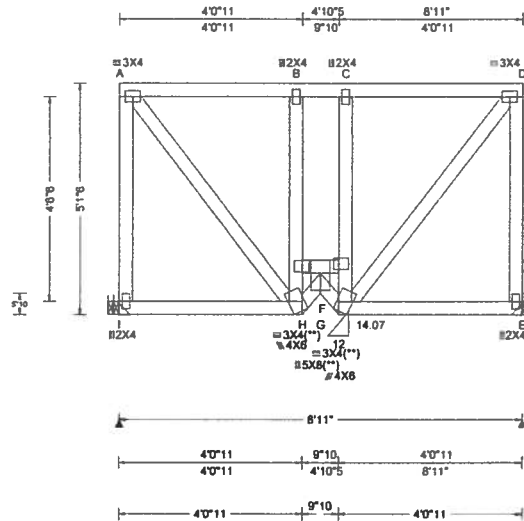
drawings 100A-2 for standard plate positions.

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.tpinst.org; SBICA: www.sbicaindustry.com; ICC: www.iccsafe.org



SEQN: 649886 FROM: CDM	MONO Qty: 6	Job Number: 19-3463 /MARK GANSKOP RES. /Contractor Truss Label: R10	Cust: R215 JRef: 1W0d2150003 T22 DrwNo: 252.19.1444.57953 / YK 09/09/2019
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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: 25.53 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): 0.009 G 999 240 VERT(CL): 0.019 G 999 180 HORZ(LL): 0.008 E - - HORZ(TL): 0.017 E - - Creep Factor: 2.0 Max TC CSI: 0.196 Max BC CSI: 0.143 Max Web CSI: 0.256 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL I 361 /- /- /187 /129 /- E 361 /- /- /187 /129 /- Non-Gravity Wind reactions based on MWFRS I Brg Width = - Min Req = - E Brg Width = - Min Req = - Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

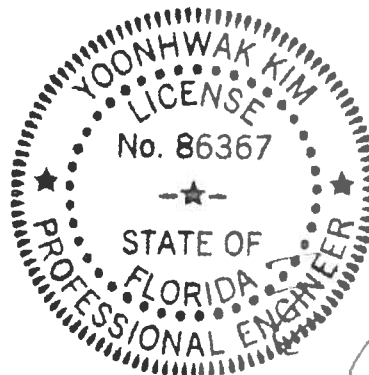
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 5'-1.6.



#0-278
09/09/2019

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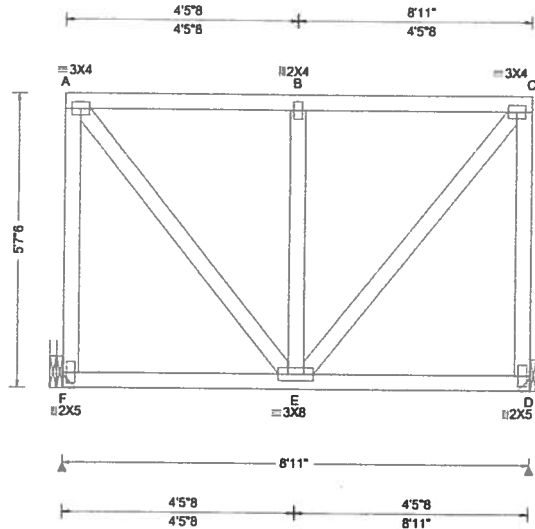
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 649693 FROM: CDM	FLAT Qty: 3	Ply: 1	Job Number: 19-3463 /MARK GANSKOP RES. /Contractor Truss Label: R11	Cust: R 215 JRef: 1W0d2150003 T20 DrwNo: 252.19.1445.06273 / YK 09/09/2019
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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: 26.52 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/def L/# VERT(LL): 0.006 B 999 240 VERT(CL): 0.012 B 999 180 HORZ(LL): 0.001 A - - HORZ(TL): 0.001 A - - Creep Factor: 2.0 Max TC CSI: 0.329 Max BC CSI: 0.232 Max Web CSI: 0.185 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 357 /- /- /183 /138 /- D 357 /- /- /183 /138 /- Wind reactions based on MWFRS F Brg Width = - Min Req = - D Brg Width = - Min Req = - Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

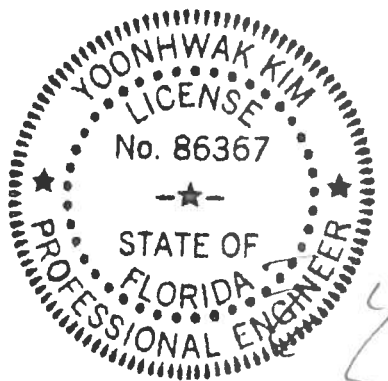
End verticals not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 5'-7-6".



#0-278
09/09/2019

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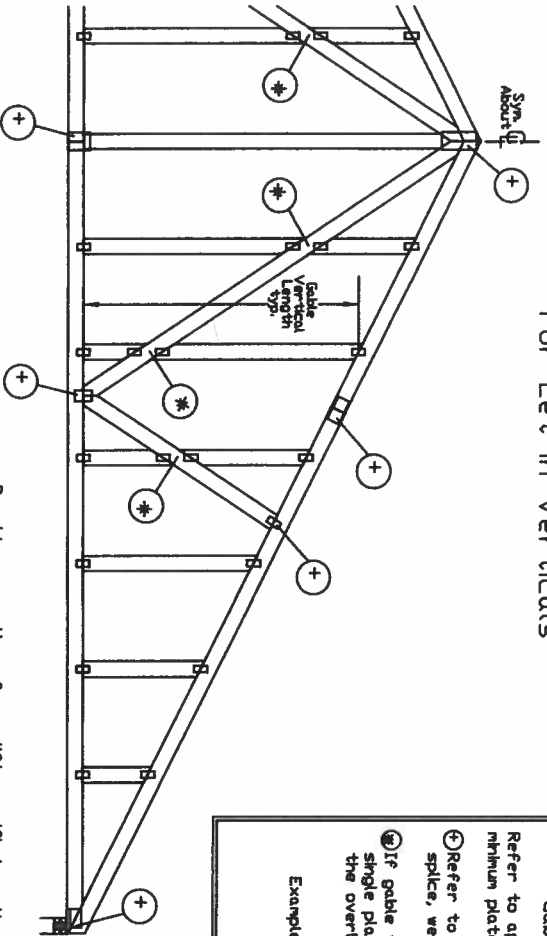
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Gable Detail For Let-In Verticals



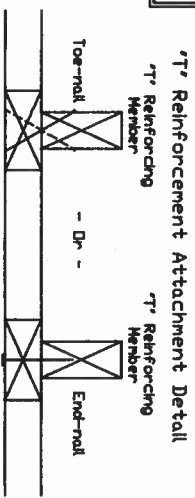
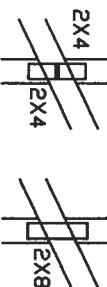
Gable Truss Plate Sizes

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:



Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

10d Common (0.148" x 3" min) Nails at 4' o.c. plus
(4) nails in the top and bottom chords.

Toenailed Nails:

10d Common (0.148" 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

A1301S051014, A1201S051014, A1101S051014, A1401S051014,
A13020051014, A12030051014, A11030051014, A14030051014

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

A1151SENC100118, A1201SENC100118, A1401SENC100118, A1301SENC100118,
A11801SENC100118, A12001SENC100118, A14001SENC100118, A13001SENC100118

A118030ENC100118, A20030ENC100118, A20030ENC100118, A20030ENC100118,
S1151SENC100118, S1201SENC100118, S1401SENC100118, S1601SENC100118

S11801SENC100118, S2001SENC100118, S2001SENC100118, S2001SENC100118,
S118030ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118

S18030ENC100118, S20030ENC100118, S20030ENC100118, S20030ENC100118,
S18030ENC100118, S20030ENC100118, S20030ENC100118, S20030ENC100118

See appropriate Alpine gable detail for maximum unreinforced Gable Vertical Length



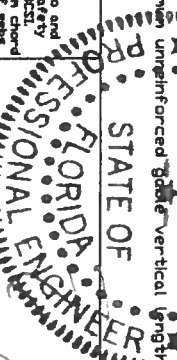
13723 Ryeport Drive
Suite 200
Maynard Heights, MO 63043

DESIGNER: ALPINE AN/TW COMPANY
DRAWING: GABLE DETAIL FOR LET-IN VERTICALS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP Building Component Safety Information, by TPI and SBCA for safety practices prior to performing these functions. Drawings shall provide temporary bracing per BCSP. Plates noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSP sections 21, 27 or 30, 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 100A-2 for standard plate positions.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing or trusses. Alpine shall not be responsible for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, 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. 1.1.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpine.com TPI: www.tpi.org SBCA: www.sbcasociety.org IBC: www.icbc.org



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. Min. 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"

REF	LET-IN VERT
DATE	01/02/2018
DRWG	GABLETIN0118

MAX. TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX. SPACING	24.0'

DRWG CNNAILSP1014

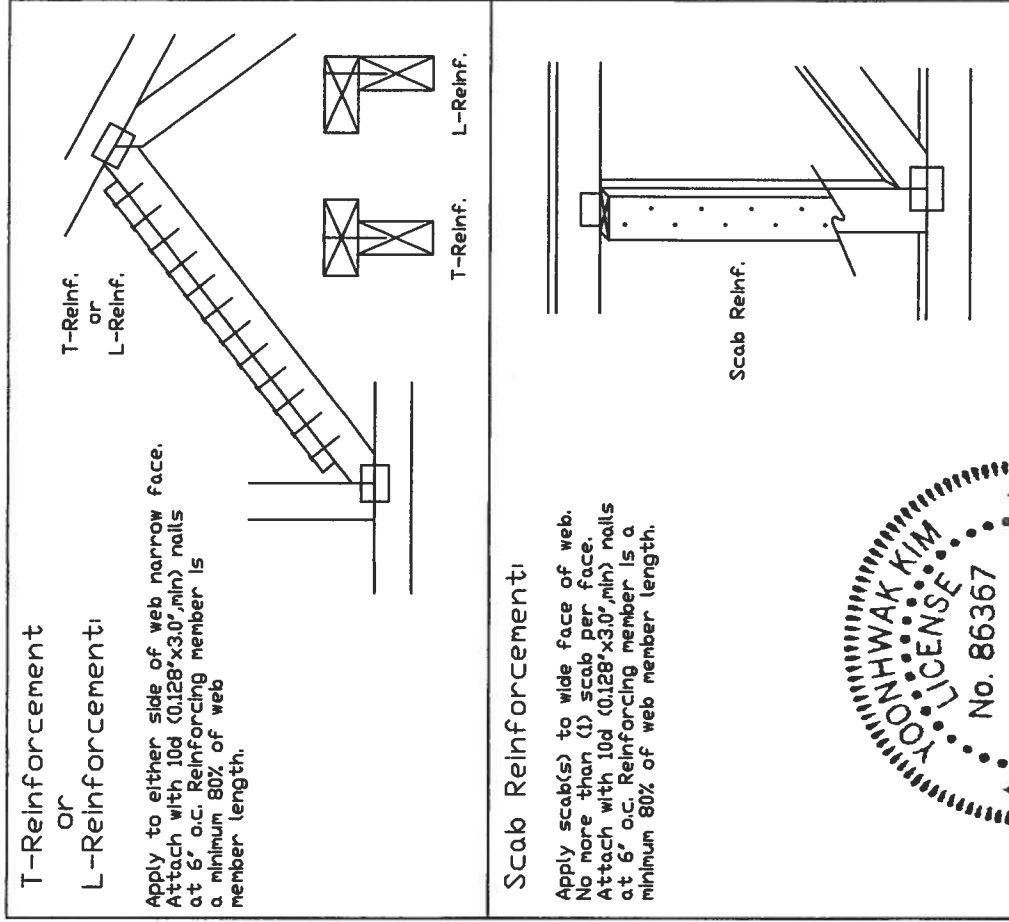
Member Substitution

Notes:

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

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

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

[illegible]

61028-86/86
09/09/2019

STATE OF FLORIDA PROFESSIONAL ENGINEER	BC LL	PSF	REF	CLR Subst.
	TQ DL	PSF	DATE	01/02/19
	BC DL	PSF	DRWG	BRCLBSUB0119
	BC LL	PSF		
	TOT. LD.	PSF		
	DIR. FAC.			
	SPACING			

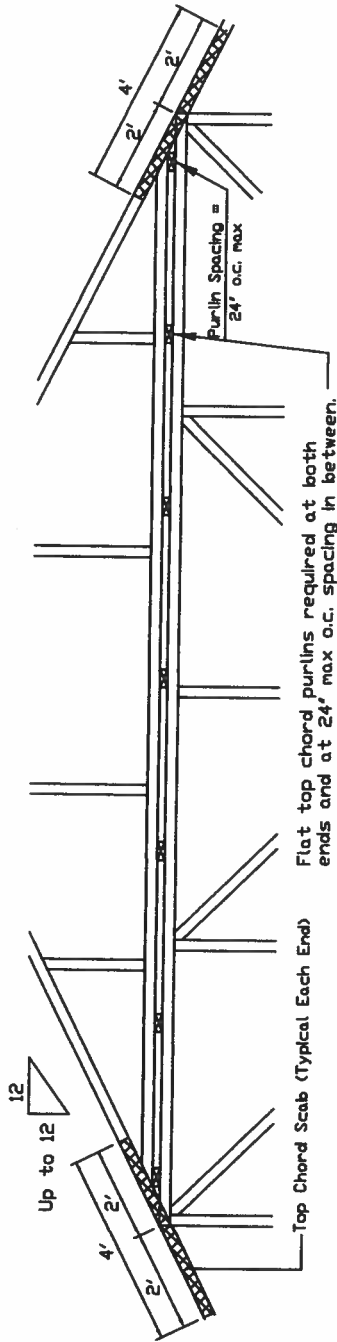
Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

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=1.00, Dr 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=1.00.

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



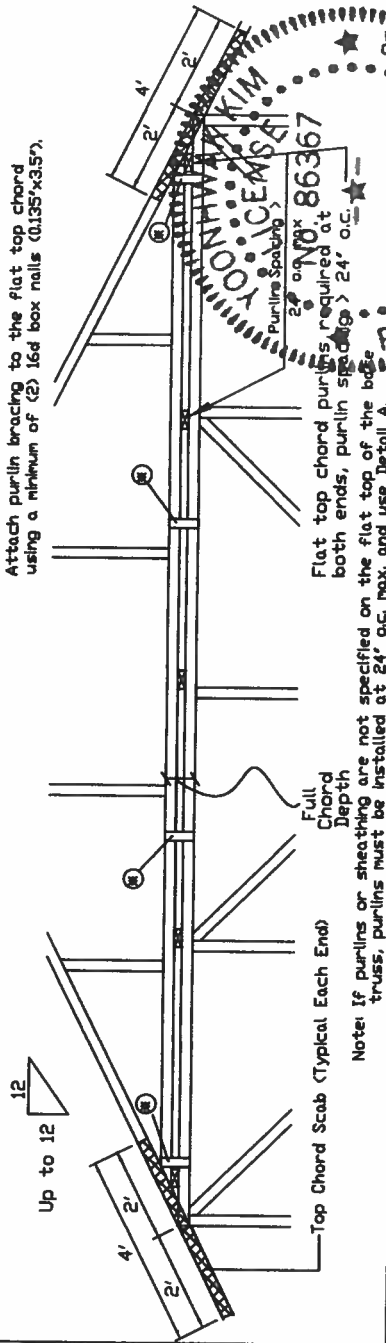
Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3x8 Trulox plate attached with (6) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (3) 28PB wave piggyback plate attached to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

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

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

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING. TRUSSES REQUIRE EXTREME CARE IN ERECTING AND BRACING. REFER TO THE LATEST EDITION OF AISC BUILDING CODES FOR THE LATEST PRACTICES FOR PERFORMING THESE FUNCTIONS. INSTALLERS SHALL PROVIDE TEMPORARY BRACING FOR ALL TRUSSES. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL SHEATHING AND BOTTOM CHORD SHALL HAVE BRACING INSTALLED PER AISC BUILDING CODES. REFER TO DRAWING 1000-2 FOR STANDARD PLATE POSITIONS.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from the instructions or specifications on this drawing. The user of this drawing shall be responsible for the safety of the structure. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The user of this drawing shall be responsible for the safety of the structure. For more information see the job's general notes page and these web sites: ALPINE: www.alpineinc.com ITV: www.itvgroup.com 3304 www.alpineinc.com

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13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

■ 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 of (2) 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 (2) 8d common (0.113"x2") nails per gusset. (4) in base 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. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.

REF	PIGGYBACK
DATE	10/01/14
DRWG	PB160101014
SPACING	24.0"