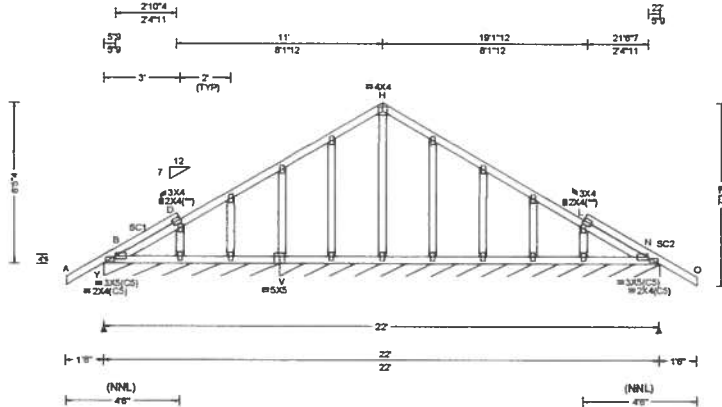


SEQN: 294484 / FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3663 /LOT 62 EMERALD COVE /Gibraltar Contr. Truss Label: A	Cust: R R215 JRef: 1WPN2150004 T33 / DwnNo: 298 19.1631.50429 / YK 10/25/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs), or *PLF
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCL: 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: Any GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Cs: NA Lu: NA Ca: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 COM TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.001 H 999 240 VERT(CL): 0.001 G 999 180 HORZ(LL): 0.002 I - - HORZ(TL): 0.002 I - - Creep Factor: 2.0 Max TC CSI: 0.232 Max BC CSI: 0.050 Max Web CSI: 0.076 VIEW Ver: 18.02.01B 0321 08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Y* 110 /- /- /72 /24 /30 V* 84 /- /- /52 /12 /- Wind reactions based on MWFRS Y Brg Width = 82.9 Min Req = - V Brg Width = 181 Min Req = - Bearings Y & V 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

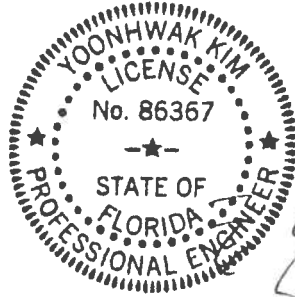
All plates are 2X4 except as noted.
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind

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

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 3x6.
The overall height of this truss excluding overhang is 6'-5-4".



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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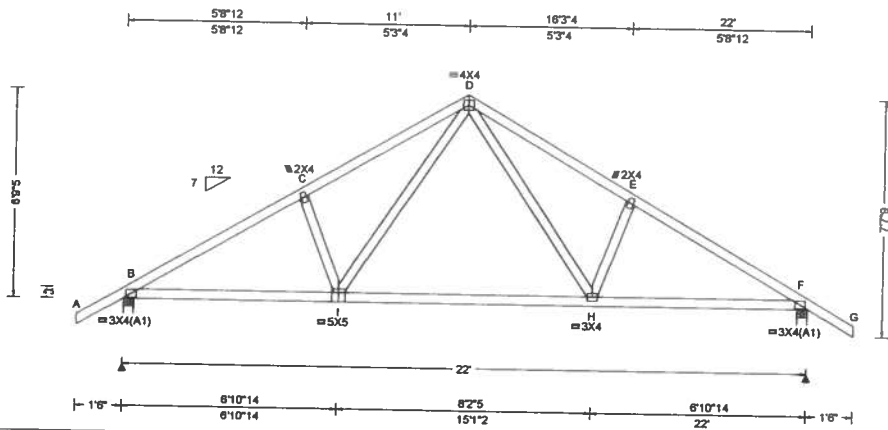
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com, TPI: www.tpinet.org, SBGA: www.sbgaindustry.com, ICC: www.iccsafe.org



6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 294485 / FROM: CDM	COMN Qty: 5	Ply: 1	Job Number: 19-3863 A LOT 62 EMERALD COVE / Gibraltar Contr. Truss Label: A1	Cust: R R215 JRef: WPN2150004 T27 / DrwNo: 298.19.1631.50913 / YK 10/25/2019
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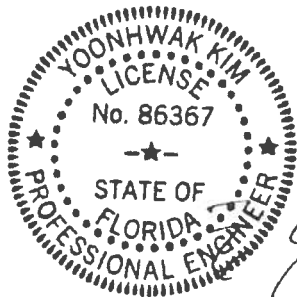


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg.Pi in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)							
	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity				
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.041 H 999 240	Loc	R+	R-	Rh	Rw	U	RL	
	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.084 H 999 180	B	1016	-	-	-	613	1175	1209
BCLL: 0.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.017 H - -	F	1016	-	-	-	613	1175	-
BCDL: 10.00	EXP: C Kzt: NA		HORZ(TL): 0.034 H - -	Wind reactions based on MWFRS							
Des Ld: 40.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	B Brg Width = 4.0		Min Req = 1.5					
NCBCLL: 0.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 COM	Max TC CSI: 0.283	F Brg Width = 4.0		Min Req = 1.5					
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.474	Bearings B & F are a rigid surface							
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.203	Members not listed have forces less than 375#							
Spacing: 24.0"	C&C Dist a: 3.00 ft	FT/RT: 20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)							
	Loc. from endwall: Any	Plate Type(s):		Chords	Tens.Comp.	Chords	Tens. Comp.				
	GCpi: 0.18	WAVE	VIEW Ver: 18.02.01B.0321.08	B - C	380 - 1390	D - E	443	-	1274		
Lumber	Wind Duration: 1.60			C - D	443 - 1273	E - F	380	-	1391		

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 6'-9.5."



FL REG# 278, Yoonhwak Kim, FL PE #86367
 10/28/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens. Comp.	Chords	Tens. Comp.
B - I	1129 - 210	H - F	1130 - 219
I - H	753 - 59		

Maximum Web Forces Per Ply (lbs)

Webs	Tens. Comp.	Webs	Tens. Comp.
I - D	510 - 179	D - H	511 - 179

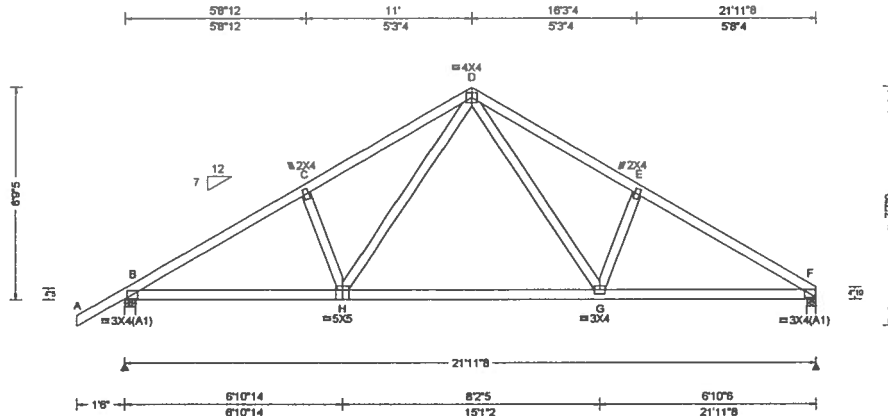
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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For more information see this job's general notes page and these web sites: ALPINE, www.alpineitw.com, TPI, www.tpinet.org, SBCA, www.sbcindustry.com, ICC, www.iccsafe.org

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 6750 Forum Drive
 Suite 305
 Orlando FL, 32821

SEQN: 294488 / FROM: CDM	COMN Ply: 1 Qty: 5	Job Number: 19-3683 /LOT 62 EMERALD COVE /Gibraltar Contr. Truss Label: A2	Cust R R215 JRef 1WPN2150004 T58 / DnwNo: 298.19.1631.50648 / YK 10/25/2019
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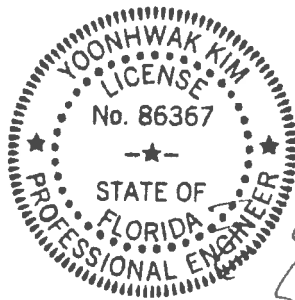


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCDL: 20.00 BCLL: 10.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: 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: 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 COM 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): 0.040 H 999 240 VERT(CL): 0.083 H 999 180 HORZ(LL): 0.017 G - - HORZ(TL): 0.034 G - - Creep Factor: 2.0 Max TC CSI: 0.300 Max BC CSI: 0.488 Max Web CSI: 0.212 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1019 /- /- /612 /176 /191 F 909 /- /- /524 /147 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens Comp. Chords Tens. Comp. B - C 385 - 1395 D - E 456 - 1289 C - D 449 - 1278 E - F 392 - 1404

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 6-9-5.



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10/28/2019

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

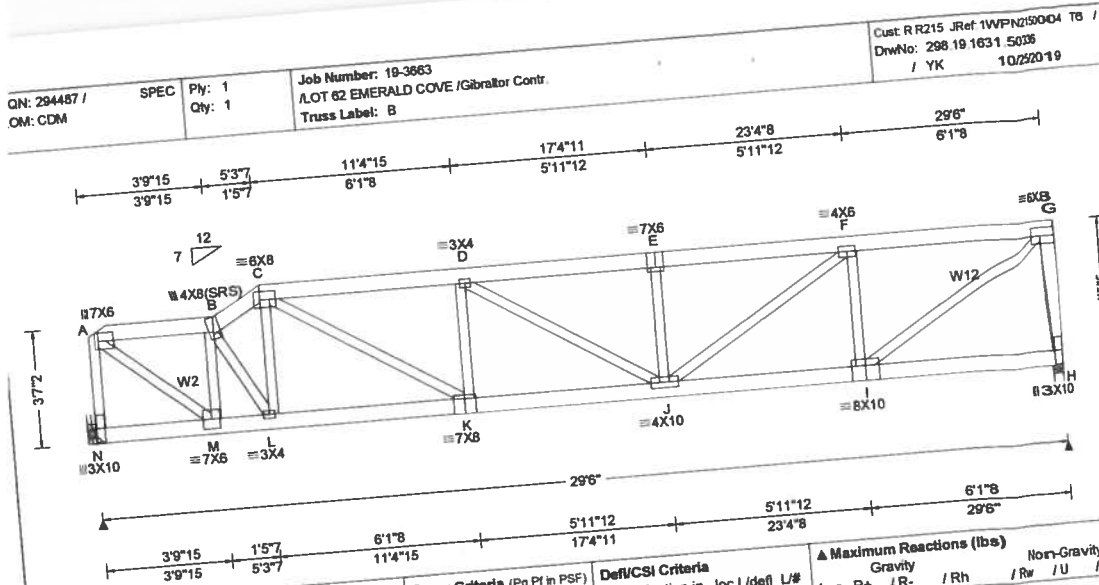
B - H 1133 - 259 G - F 1145 - 266
H - G 757 - 99

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

H - D 508 - 177 D - G 525 - 188

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ALPINE
A DIVISION OF ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)

TCCL:	20.00
TCDL:	10.00
BCCL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	2.00
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
TCCL:	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
GCpl:	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 COM
TPI Std:	2014
Rep Fac:	No
FT/RT:	20(0)/10(0)
Plate Type(s):	WAVE

Def/CSI Criteria

PP Deflection in loc L/defl L/#	
VERT(LL):	0.157 E 999 240
VERT(CL):	0.314 E 999 180
HORZ(LL):	0.034 C - -
HORZ(TL):	0.067 C - -
Creep Factor:	2.0
Max TC CSI:	0.275
Max BC CSI:	0.334
Max Web CSI:	0.906
VIEW Ver:	18.02 01B.0321.08

Maximum Reactions (lbs)

Loc	R+	R-	Rh	Rw	U	RL
N	2773	-	-	-	1868	-
H	2814	-	-	-	1751	-

Wind reactions based on MWFRS
 N Brg Width = - MinReq = -
 H Brg Width = 4.0 MinReq = 2.3
 Bearing H is a rigid surface.
 Members not listed have force less than 375#
Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens. Comp.	Chords	Tens. Comp.
A-B	837 -2767	D-E	1325 -4927
B-C	993 -3419	E-F	1325 -4927
C-D	1310 -4766	F-G	888 -3335

Lumber
 Top chord 2x6 SP 2400F-2.0E
 Bot chord 2x6 SP 2400F-2.0E
 Webs 2x4 SP #3
 W2, W12 2x4 SP #2.

Special Loads

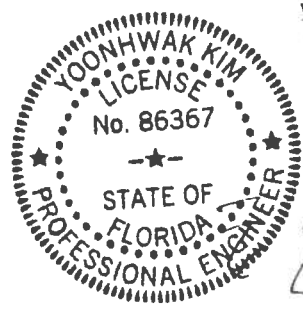
TC:	From 60 plf at 0.00 to 60 plf at 0.54	29.50
TC:	From 32 plf at 0.54 to 10 plf at 29.50	29.50
BC:	From 10 plf at 0.00 to 10 plf at 29.50	29.50
TC:	-16 lb Conc. Load at 1.56, 2.06, 4.06	
TC:	190 lb Conc. Load at 6.06, 8.06, 10.06, 12.06	
TC:	14.06, 16.06, 18.06, 19.75, 21.44, 23.44, 25.44, 27.44	29.44
BC:	288 lb Conc. Load at 1.56, 2.06, 4.06	
BC:	81 lb Conc. Load at 6.06, 8.06, 10.06, 12.06	
BC:	14.06, 16.06, 18.06, 19.75, 21.44, 23.44, 25.44, 27.44	29.44

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

Purlins
 In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
 The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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

Additional Notes
 Refer to General Notes for additional information
 The overall height of this truss excluding overhang is 4'-5.5."



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 10/28/2019

Maximum Bot Chord Forces Per Ply (lbs)

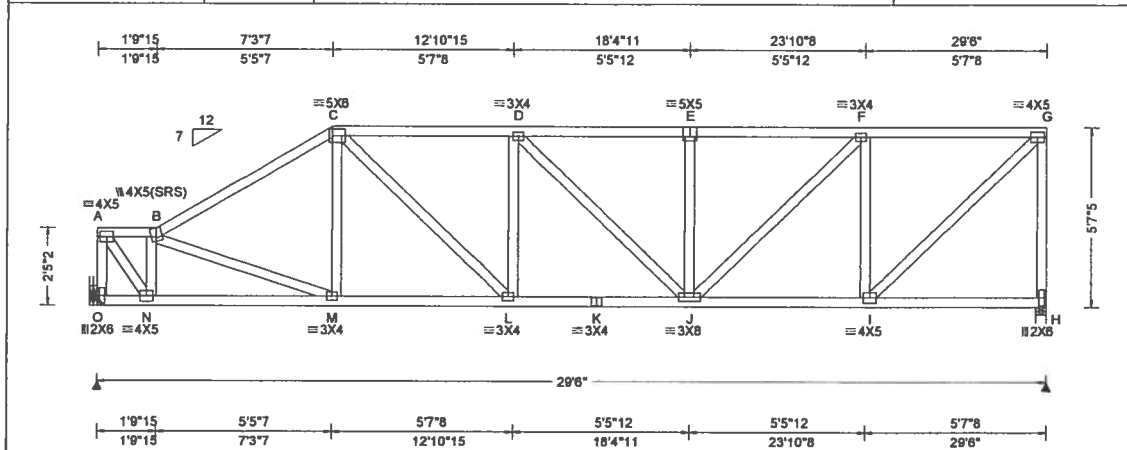
Chords	Tens. Comp.	Chords	Tens. Comp.
M-L	2917 -676	K-J	4845 -1332
L-K	3078 -888	J-I	3472 -994

Maximum Web Forces Per Ply (lbs)

Webs	Tens. Comp.	Webs	Tens. Comp.
A-N	780 -2502	E-J	298 -727
A-M	3547 -1070	J-F	1781 -473
M-B	466 -1714	F-I	631 -1683
B-L	380 -28	I-G	3996 -1094
C-K	2048 -505	G-H	761 -2639
K-D	318 -834		

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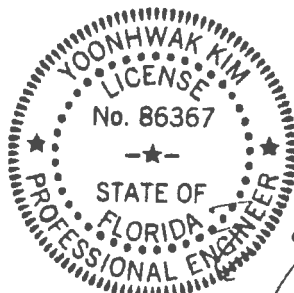


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpf: 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 COM 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): 0.074 D 999 240 VERT(CL): 0.154 D 999 180 HORZ(LL): 0.024 C - - HORZ(TL): 0.050 C - - Creep Factor: 2.0 Max TC CSI: 0.468 Max BC CSI: 0.466 Max Web CSI: 0.660 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL O 1227 /- /- /673 /207 /90 H 1227 /- /- /620 /237 /- Wind reactions based on MWFRS O Brg Width = - Min Req = - H Brg Width = 4.0 Min Req = 1.5 Bearing H 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	Hangers / Ties	Maximum Bot Chord Forces Per Ply (lbs)
Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3	(J) Hanger Support Required, by others	Chords Tens.Comp. Chords Tens. Comp.
		N - M 1035 -373 K - J 1715 -481 M - L 1308 -386 J - I 1118 -298 L - K 1715 -481

Purlins	Maximum Web Forces Per Ply (lbs)
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.	Webs Tens Comp. Webs Tens. Comp.
Wind Wind loads based on MWFRS with additional C&C member design. End verticals not exposed to wind pressure.	A - O 304 -1223 J - F 720 -199 A - N 1498 -377 F - I 295 -913 N - B 331 -1147 I - G 1487 -393 C - L 546 -135 G - H 344 -1182

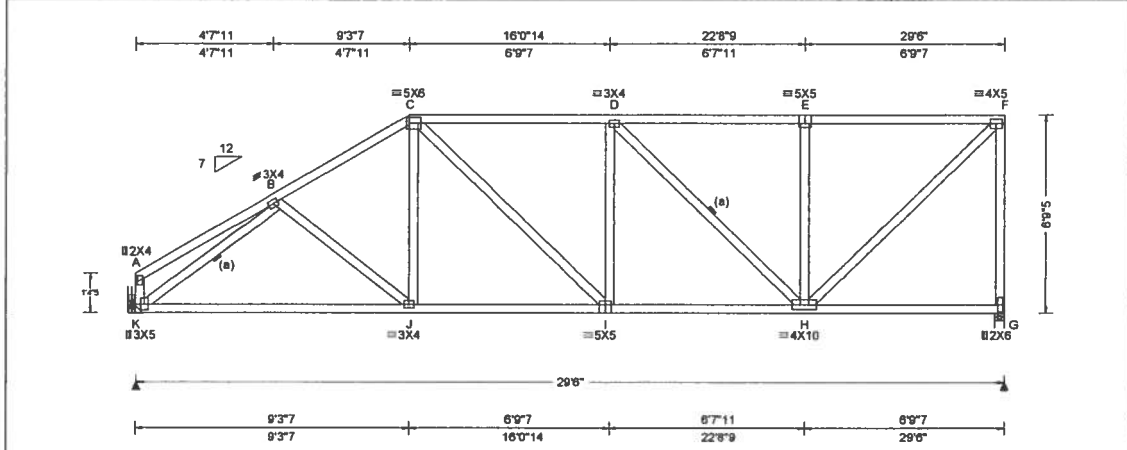
Additional Notes
Refer to General Notes for additional information
Provide for complete drainage of roof.
The overall height of this truss excluding overhang is 5'-7.5".



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

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

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QUALITY 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 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 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 COM 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): 0.060 D 999 240 VERT(CL): 0.125 D 999 180 HORZ(LL): 0.023 H - - HORZ(TL): 0.049 H - - Creep Factor: 2.0 Max TC CSI: 0.777 Max BC CSI: 0.628 Max Web CSI: 0.959 VIEW Ver: 18.02.01B 0321.08	Gravity Loc R+ / R- / Rh Non-Gravity Loc / Rw / U / RL K 1227 - / - / 721 / 193 / 154 G 1227 - / - / 632 / 245 / - Wind reactions based on MWFRS K Brg Width = - Min Req = - G Brg Width = 4.0 Min Req = 1.5 Bearing G 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 394 -1522 D - E 284 -1045 C - D 399 -1421 E - F 284 -1045

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

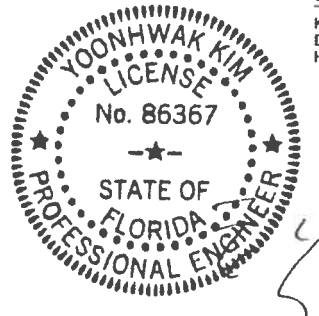
Bracing
(a) Continuous lateral restraint equally spaced on member.

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

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

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

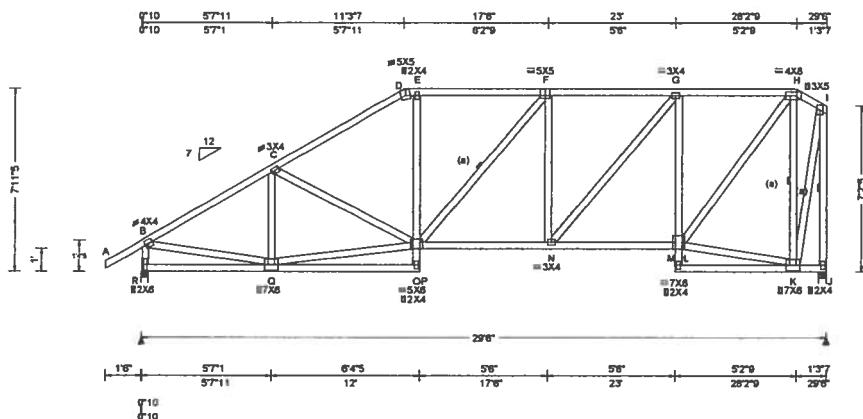
Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 6'-9".



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpi.net; 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 BCDL: 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 hv2 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 COM 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): 0.079 O 999 240 VERT(CL): 0.163 O 999 180 HORZ(LL): 0.031 K - - HORZ(TL): 0.064 K - - Creep Factor: 2.0 Max TC CSI: 0.529 Max BC CSI: 0.456 Max Web CSI: 0.591 VIEW Ver: 18.02 01B 0321 08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL R 1332 -/- /- /739 /110 /193 J 1222 -/- /- /471 /31 /- Wind reactions based on MWFRS R Brg Width = 4.0 Min Req = 1.6 J Brg Width = 4.0 Min Req = 1.5 Bearings R & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens Comp. Chords Tens. Comp. B - C 147 -1604 E - F 177 -1317 C - D 158 -1800 F - G 103 -1331 D - E 178 -1296 G - H 62 -958

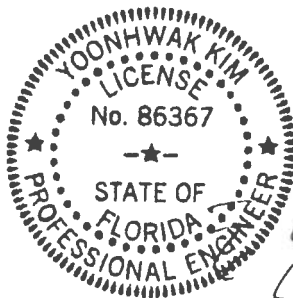
Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 7'-11-5/8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

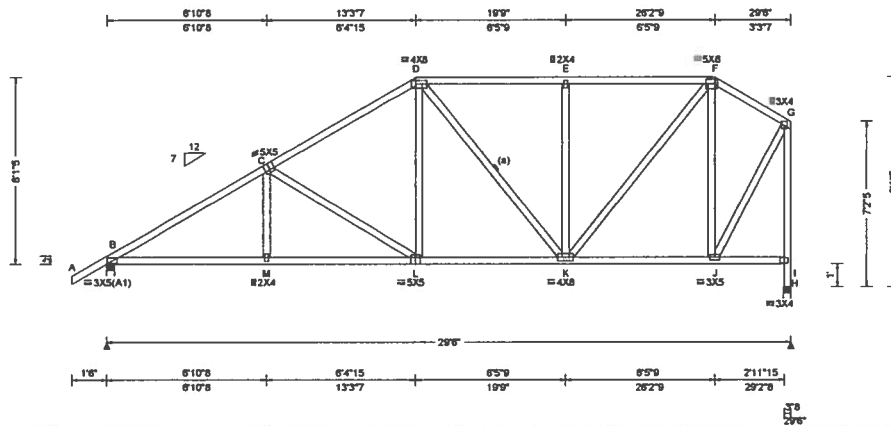
Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens. Comp. Chords Tens. Comp.
O - N 1349 -80 N - L 977 -37

Maximum Web Forces Per Ply (lbs)
Webs Tens. Comp. Webs Tens. Comp.
B - R 198 -1286 G - L 51 -796
B - Q 1302 -39 L - H 1216 -49
Q - O 1298 -254 K - H 45 -1056
E - O 407 -7 K - I 1115 -27
N - G 568 -64 I - J 51 -1221

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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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7550 Forum Drive
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SEQN: 294491 / FROM: CDM	HIPS Qty: 1	Job Number: 19-3683 /LOT 62 EMERALD COVE /Gibraltar Contr. Truss Label: B04	Cut: R R215 JRef:1WPN2150004 T49 / Dwno: 298.19.1631.50741 / YK 10/25/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. P1 in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 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 COM 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): 0.063 L 999 240 VERT(CL): 0.130 L 999 180 HORZ(LL): 0.024 J - - HORZ(TL): 0.050 J - - Creep Factor: 2.0 Max TC CSI: 0.499 Max BC CSI: 0.494 Max Web CSI: 0.905 VIEW Ver: 18.02.01B 0321.08	Gravity Loc R+ / R- / Rh Non-Gravity Loc / U / RL B 1331 /- /- /832 /101 /188 H 1223 /- /- /825 /137 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.6 H Brg Width = 4.0 Min Req = 4.0 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 410 -1952 E - F 338 -1038 C - D 377 -1436 F - G 176 -593 D - E 338 -1038

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

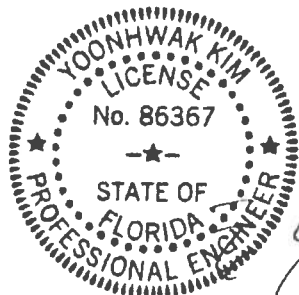
Bracing
(a) Continuous lateral restraint equally spaced on member.

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.

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 8'-1.5".

Drop leg not designed to support lateral loads from wall induced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - M	1598 -445	L - K	1150 -297
M - L	1598 -445	K - J	458 -111

Maximum Web Forces Per Ply (lbs)

Webs	Tens. Comp.	Webs	Tens. Comp.
C - L	176 -531	J - G	997 -259
D - L	417 -76	F - J	245 -784
E - K	166 -431	I - H	334 -1223
K - F	909 -237	I - G	335 -1205

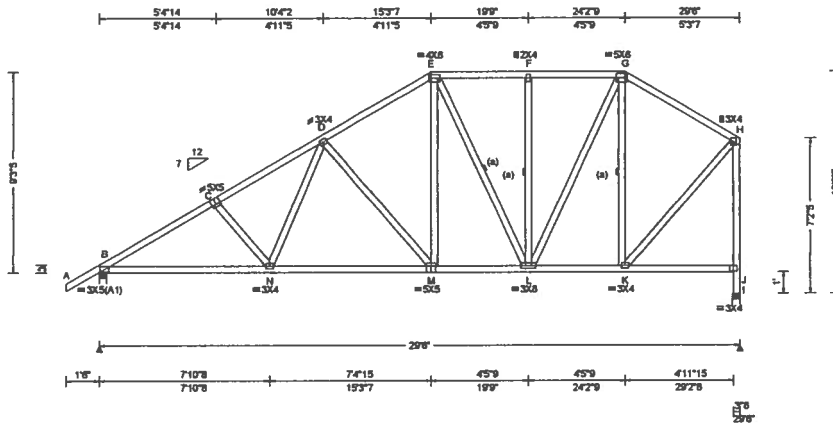
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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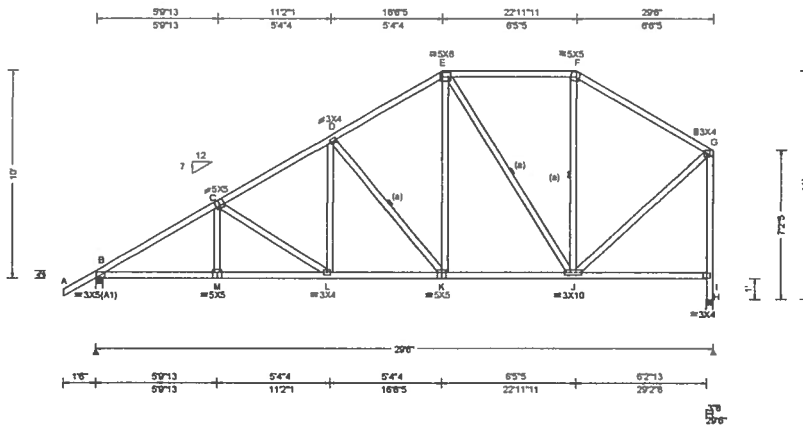
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For more information see this job's general notes page and these web sites. ALPINE, www.alpinetw.com; TPI, www.tpiinc.org; SBICA, www.sbicaindustry.com; ICC, www.iccsafe.org

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6750 Forum Drive
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SEQN: 294482 / FROM: CDM	HIPS Qty: 1	Job Number: 19-3863 /LOT 62 EMERALD COVE /Gibraltar Contr. Truss Label: B05	Cust: RR215 JRef: 1WPN2150004 T44 / DrwNo: 298.19.1631.50882 / YK 10/25/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	A Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Softit: 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 COM TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.065 L 999 240 VERT(CL): 0.135 L 999 180 HORZ(LL): 0.024 J - - HORZ(TL): 0.050 J - - Creep Factor: 2.0 Max TC CSI: 0.659 Max BC CSI: 0.514 Max Web CSI: 0.807 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 1331 /- /- /837 /63 /236 H 1223 /- /- /837 /61 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.6 H Brg Width = 4.0 Min Req = 4.0 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.

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

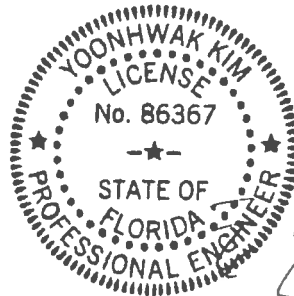
Bracing
(a) Continuous lateral restraint equally spaced on member.

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.

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

Drop leg not designed to support lateral loads from wall induced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

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

B - M	1633	- 435	L - K	1284	- 326
M - L	1631	- 435	K - J	917	- 207

Maximum Web Forces Per Ply (lbs)

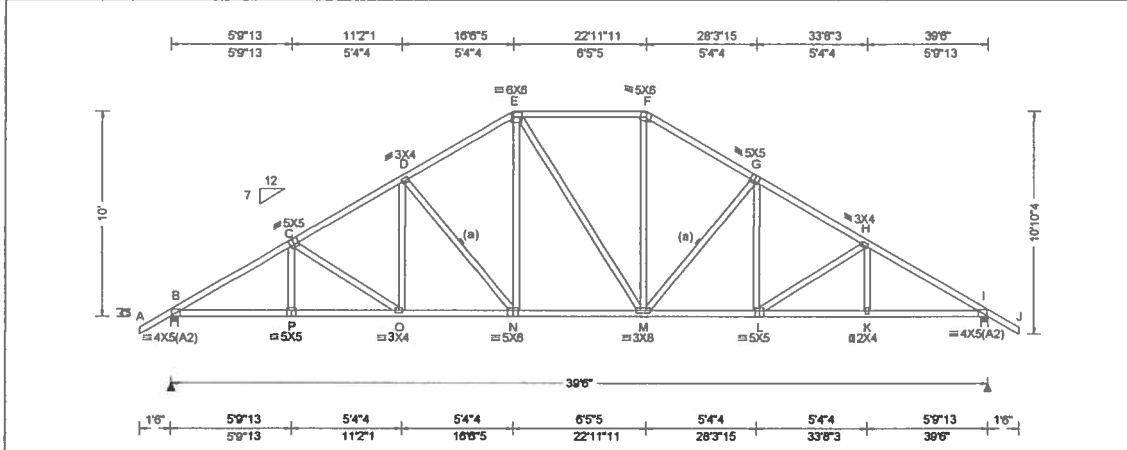
Webs	Tens.Comp.	Webs	Tens. Comp.
C - L	130 - 406	J - G	922 - 209
D - K	191 - 588	I - H	312 - 1223
E - K	572 - 131	I - G	320 - 1168
E - J	121 - 464		

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.95 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bidg Code: FBC 2017 COM 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): 0.139 N 999 240 VERT(CL): 0.285 N 999 180 HORZ(LL): 0.065 K - - HORZ(TL): 0.134 K - - Creep Factor: 2.0 Max TC CSI: 0.516 Max BC CSI: 0.765 Max Web CSI: 0.386 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1744 - / - / 1051 / 31 / 308 I 1744 - / - / 1051 / 31 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.1 I Brg Width = 4.0 Min Req = 2.1 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens Comp. Chords Tens. Comp. B - C 597 - 2783 F - G 559 - 1947 C - D 585 - 2384 G - H 585 - 2384 D - E 562 - 1955 H - I 597 - 2764 E - F 526 - 1619

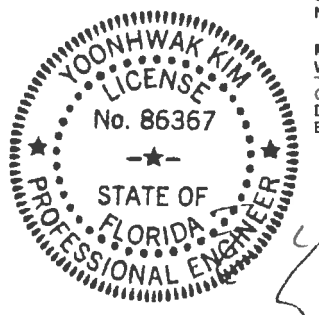
Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3

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.

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

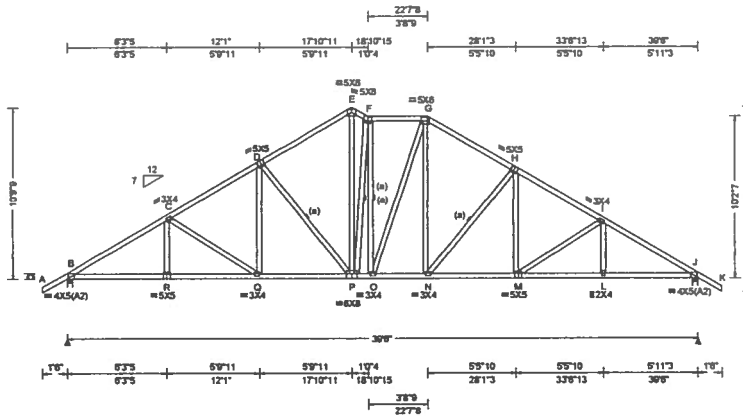


FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

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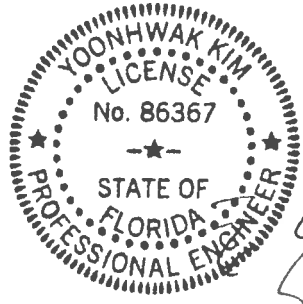
SEQN: 294498 / FROM: CDM	SPEC Qty: 1	Job Number: 19-3863 /LOT 62 EMERALD COVE /Gibraltar Contr. Truss Label: B09	Cust R R215 JRef: 1WPN2150004 T21 / DwnNo: 298.19.1631.50538 / YK 10/25/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg.P1 in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity			Non-Gravity			
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.153 F 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.313 F 999 180	B	1744	/-	/-	/1052	/30	/329
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.065 L - -	J	1744	/-	/-	/1050	/30	-
	EXP: C Kzt: NA		HORZ(TL): 0.134 L - -	Wind reactions based on MWFRS						
	Mean Height: 15.23 ft	Code / Misc Criteria	Creep Factor: 2.0	B	Brg Width = 4.0	Min Req = 2.1				
	TCCL: 5.0 psf	Bldg Code: FBC 2017 COM	Max TC CSI: 0.472	J	Brg Width = 4.0	Min Req = 2.1				
	BCCL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.756	Bearings B & J are a rigid surface.						
	NCBCL: 0.00	Rep Fac: Yes	Max Web CSI: 0.857	Members not listed have forces less than 375#						
Soffit: 2.00	MWFRS Parallel Dist: h to 2h		Maximum Top Chord Forces Per Ply (lbs)							
Load Duration: 1.25	C&C Dist a: 3.95 ft	FT/RT:20(0)/10(0)	Chords	Tens.Comp.	Chords	Tens. Comp.				
Spacing: 24.0"	Loc. from endwall: not in 9.00 ft	Plate Type(s):	B - C	589 - 2754	F - G	516	- 1596			
	GCpi: 0.18	WAVE	C - D	571 - 2327	G - H	553	- 1928			
	Wind Duration: 1.60		D - E	545 - 1855	H - I	578	- 2371			
			E - F	538 - 1666	I - J	591	- 2761			
Lumber										
Top chord 2x4 SP #2			VIEW Ver: 18.02.01B.0321.08							

Bot chord 2x4 SP #2 Webs 2x4 SP #3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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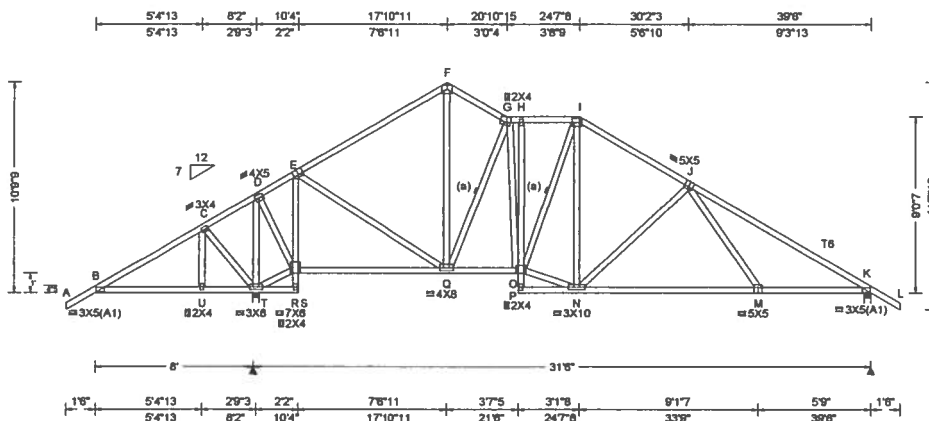
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.		Maximum Web Forces Per Ply (lbs)			
Wind		Webs	Tens.Comp.	Webs	Tens. Comp.
Wind loads based on MWFRS with additional C&C member design.		C - Q	143 - 433	G - N	576 - 143
Additional Notes		D - P	209 - 633	N - H	201 - 604
		E - P	1336 - 405	M - I	129 - 392
	P - F	260 - 721			



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

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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





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. P1 in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 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: 15.23 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.95 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 COM 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): 0.058 H 999 240 VERT(CL): 0.130 H 999 180 HORZ(LL): 0.028 M - - HORZ(TL): 0.067 M - - Creep Factor: 2.0 Max TC CSI: 0.710 Max BC CSI: 0.652 Max Web CSI: 0.674 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL T 2191 /- /- /1489 /108 /329 K 1352 /- /- /852 /46 /- Wind reactions based on MWFRS T Brg Width = 4.0 Min Req = 2.2 K Brg Width = 4.0 Min Req = 1.6 Bearings T & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord 2x4 SP #2
:T8 2x4 SP M-31:
Bot chord 2x4 SP #2
Webs 2x4 SP #3

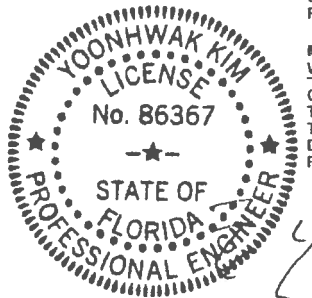
Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
All plates are 5X6 except as noted.

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10-9-9.



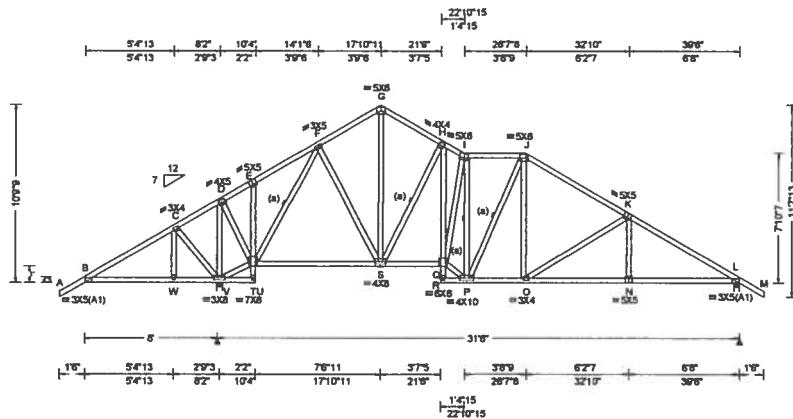
FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

Chords	Tens.Comp.	Chords	Tens. Comp.
B - U	489 -511	Q - O	1135 -59
U - T	473 -513	N - M	1468 -203
R - Q	602 -416	M - K	1599 -196

Chords	Tens.Comp.	Chords	Tens. Comp.
C - T	296 -393	E - Q	986 -337
T - D	257 -1409	F - Q	534 -178
T - R	750 -849	Q - G	278 -878
D - R	1256 -242	O - N	1135 -59
R - E	560 -1466	N - J	223 -561

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ALPINE
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 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soft: 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: 15.23 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.95 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 COM 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): 0.080 I 999 240 VERT(CL): 0.178 I 999 180 HORZ(LL): 0.041 G - - HORZ(TL): 0.097 G - - Creep Factor: 2.0 Max TC CSI: 0.559 Max BC CSI: 0.530 Max Web CSI: 0.872 VIEW Ver: 18.02.01B.0321.08	Gravity Loc Rt+ / R- / Rh Non-Gravity / Rw / U / RL V 2192 - / - /1486 /109 /329 L 1355 - / - /848 /43 - Wind reactions based on MWFRS V Brg Width = 4.0 Min Req = 2.2 L Brg Width = 4.0 Min Req = 1.6 Bearings V & 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 684 -428 G - H 372 -981 C - D 896 -540 H - I 458 -1446 D - E 533 -486 I - J 416 -1204 E - F 534 -430 J - K 433 -1506 F - G 368 -987 K - L 456 -2006

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

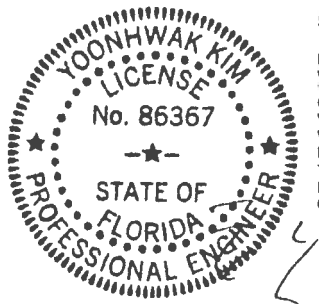
Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
All plates are 2X4 except as noted.

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10'-9".



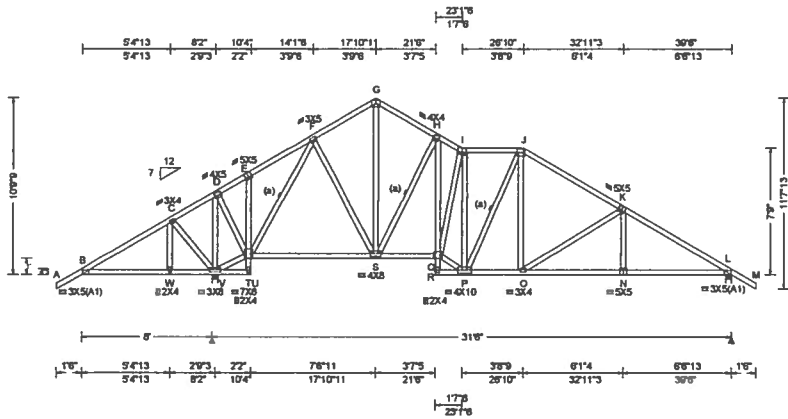
FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - W	470 -511	P - O	1211 -115
W - V	474 -513	O - N	1645 -248
T - S	656 -139	N - L	1647 -247
S - Q	1251 -93		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - V	291 -388	S - H	316 -1000
V - D	258 -1419	H - Q	954 -248
V - T	754 -850	Q - P	1575 -159
D - T	1170 -199	I - P	124 -951
T - F	481 -1326	J - O	385 -82
F - S	470 -150	O - K	181 -521
G - S	689 -269		

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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 TCCL: 10.00 BCCL: 0.00 BCCL: 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: 15.23 ft TCCL: 5.0 psf BCCL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.95 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 COM 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): 0.078 I 999 240 VERT(CL): 0.175 I 999 180 HORZ(LL): 0.040 G - - HORZ(TL): 0.094 G - - Creep Factor: 2.0 Max TC CSI: 0.559 Max BC CSI: 0.528 Max Web CSI: 0.913 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL V 2192 /- /- /1486 /109 /329 L 1355 /- /- /848 /43 /- Wind reactions based on MWFRS V Brg Width = 4.0 Min Req = 2.2 L Brg Width = 4.0 Min Req = 1.6 Bearings V & 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

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

Plating Notes
All plates are 5X6 except as noted.

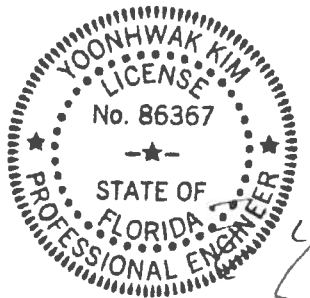
Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10'-9".

Chords	Tens.Comp.	Chords	Tens. Comp.
B - W	470 -511	P - O	1225 -120
W - V	474 -513	O - N	1648 -250
T - S	656 -138	N - L	1651 -249
S - Q	1247 -92		

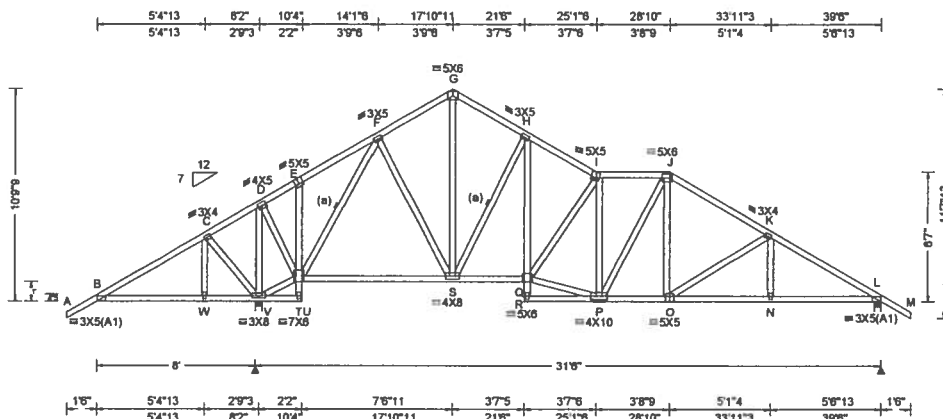
Maximum Web Forces Per Ply (lbs)					
Webs	Tens. Comp.		Webs	Tens. Comp.	
C - V	291	- 388	S - H	316	- 991
V - D	258	- 1419	H - Q	948	- 249
V - T	754	- 850	Q - P	1514	- 159
D - T	1170	- 199	I - P	120	- 847
T - F	480	- 1326	J - O	380	- 80
F - S	470	- 150	O - K	178	- 509
G - S	689	- 299			



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10/28/2019

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ALPINE
A DIVISION OF ITW
6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCL: 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: 15.23 ft TCCL: 5.0 psf BCCL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.95 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 COM 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): 0.081 I 999 240 VERT(CL): 0.179 I 999 180 HORZ(LL): 0.040 G - - HORZ(TL): 0.084 G - - Creep Factor: 2.0 Max TC CSI: 0.559 Max BC CSI: 0.549 Max Web CSI: 0.673 VIEW Ver: 18 02 01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL V 2192 /- /- /1483 /109 /329 L 1355 /- /- /844 /40 /- Wind reactions based on MWFRS V Brg Width = 4.0 Min Req = 2.2 L Brg Width = 4.0 Min Req = 1.6 Bearings V & 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

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

Plating Notes
All plates are 2X4 except as noted.

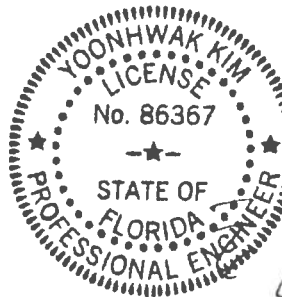
Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10'-9".

Chords	Tens.Comp.	Chords	Tens. Comp.
B - W	470 - 511	P - O	1355 - 169
W - V	474 - 513	O - N	1682 - 268
T - S	657 - 135	N - L	1683 - 268
S - Q	1240 - 86		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - V	291 - 388	S - H	316 - 979
V - D	253 - 1419	H - Q	865 - 236
V - T	754 - 850	Q - I	229 - 433
D - T	1170 - 194	Q - P	1520 - 213
T - F	476 - 1327	I - P	140 - 583
F - S	469 - 148	O - K	147 - 397
G - S	695 - 275		



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

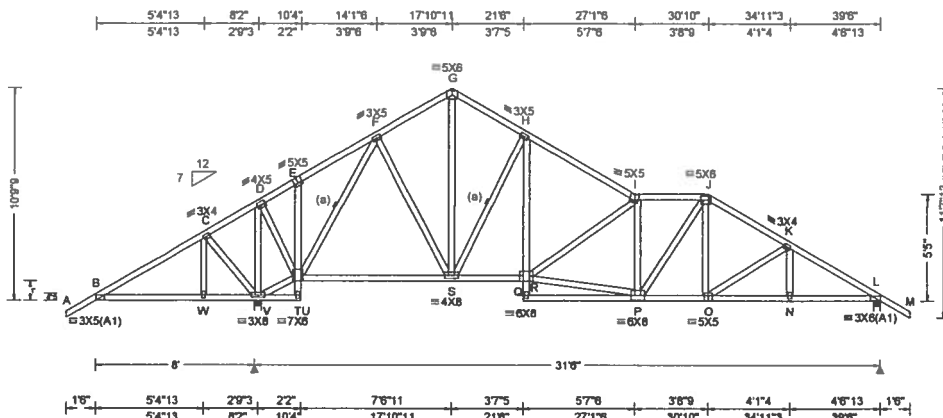
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6750 Forum Drive
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. PI in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCLL: 0.00 BCCL: 10.00 Des Ld: 40.00 NCBCL: 0.00 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: 15.23 ft TCCL: 5.0 psf BCCL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist: 3.95 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 COM 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): 0.088 I 999 240 VERT(CL): 0.195 I 999 180 HORZ(LL): 0.043 G - - HORZ(TL): 0.102 G - - Creep Factor: 2.0 Max TC CSI: 0.559 Max BC CSI: 0.597 Max Web CSI: 0.674 VIEW Ver: 18.02.018.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL V 2192 - /- /- /1481 /110 /329 L 1355 - /- /- /839 /37 /- Wind reactions based on MWFRS V Brg Width = 4.0 Min Req = 2.2 L Brg Width = 4.0 Min Req = 1.6 Bearings V & 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

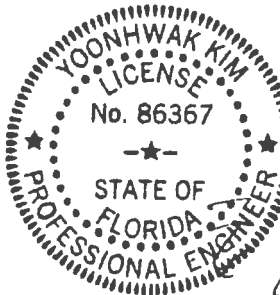
Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
All plates are 2X4 except as noted.

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10-9.9.



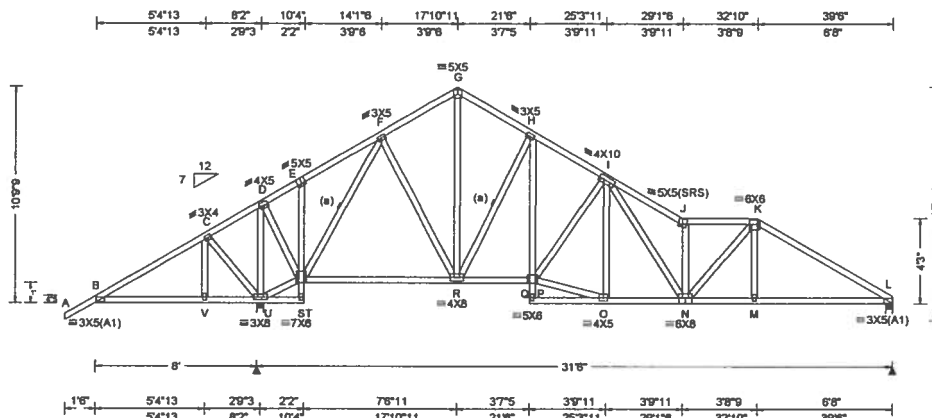
FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	684 -428	G - H	370 -993
C - D	896 -540	H - I	434 -1531
D - E	533 -492	I - J	513 -1753
E - F	535 -436	J - K	478 -1778
F - G	355 -988	K - L	474 -2052

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - V	291 - 388	S - H	320 - 1001
V - D	247 - 1419	H - Q	837 - 208
V - T	754 - 850	Q - I	265 - 648
D - T	1170 - 189	Q - P	1761 - 297
T - F	472 - 1328	I - P	189 - 645
F - S	465 - 144	P - J	478 - 132
G - S	720 - 283		

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ALPINE
A DIVISION OF ITW
6750 Forum Drive
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Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.23 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.95 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,PI 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 COM TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in Loc L/def L/# VERT(LL): 0.108 J 999 240 VERT(CL): 0.239 J 999 180 HORIZ(LL): 0.048 G - - HORIZ(TL): 0.115 G - - Creep Factor: 2.0 Max TC CSI: 0.577 Max BC CSI: 0.527 Max Web CSI: 0.675 VIEW Ver: 18.02 01B.0321.08	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCLL: 20.00				U	2195	-	-	1478	111	312
TCDL: 10.00				L	1251	-	-	747	23	-
BCLL: 0.00				Wind reactions based on MWFRS						
BCDL: 10.00				U	Brg Width = 4.0			Min Req = 2.2		
Des Ld: 40.00				L	Brg Width = 4.0			Min Req = 1.5		
NCBCLL: 0.00				Bearings U & L are a rigid surface.						
Soffit: 2.00				Members not listed have forces less than 375#						
Load Duration: 1.25				Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0"				Chords	Tens.	Comp.	Chords	Tens.	Comp.	
				B - C	684	-428	G - H	368	-986	
				C - D	896	-540	H - I	459	-1511	
				D - E	532	-487	I - J	754	-2521	
				E - F	534	-430	J - K	591	-2088	
				F - G	360	-991	K - L	519	-2014	
Lumber										
Top chord 2x4 SP #2										
Bot chord 2x4 SP #2										
Waha 2x4 SR #3										

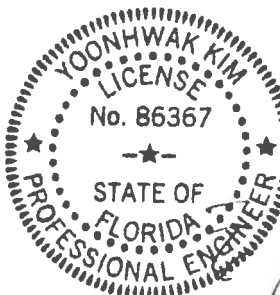
Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
All plates are 2X4 except as noted.

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10-9-9.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - V	470 -511	O - N	1524 -272
V - U	474 -513	N - M	1658 -360
S - R	659 -93	M - L	1653 -360
R - P	1244 -135		

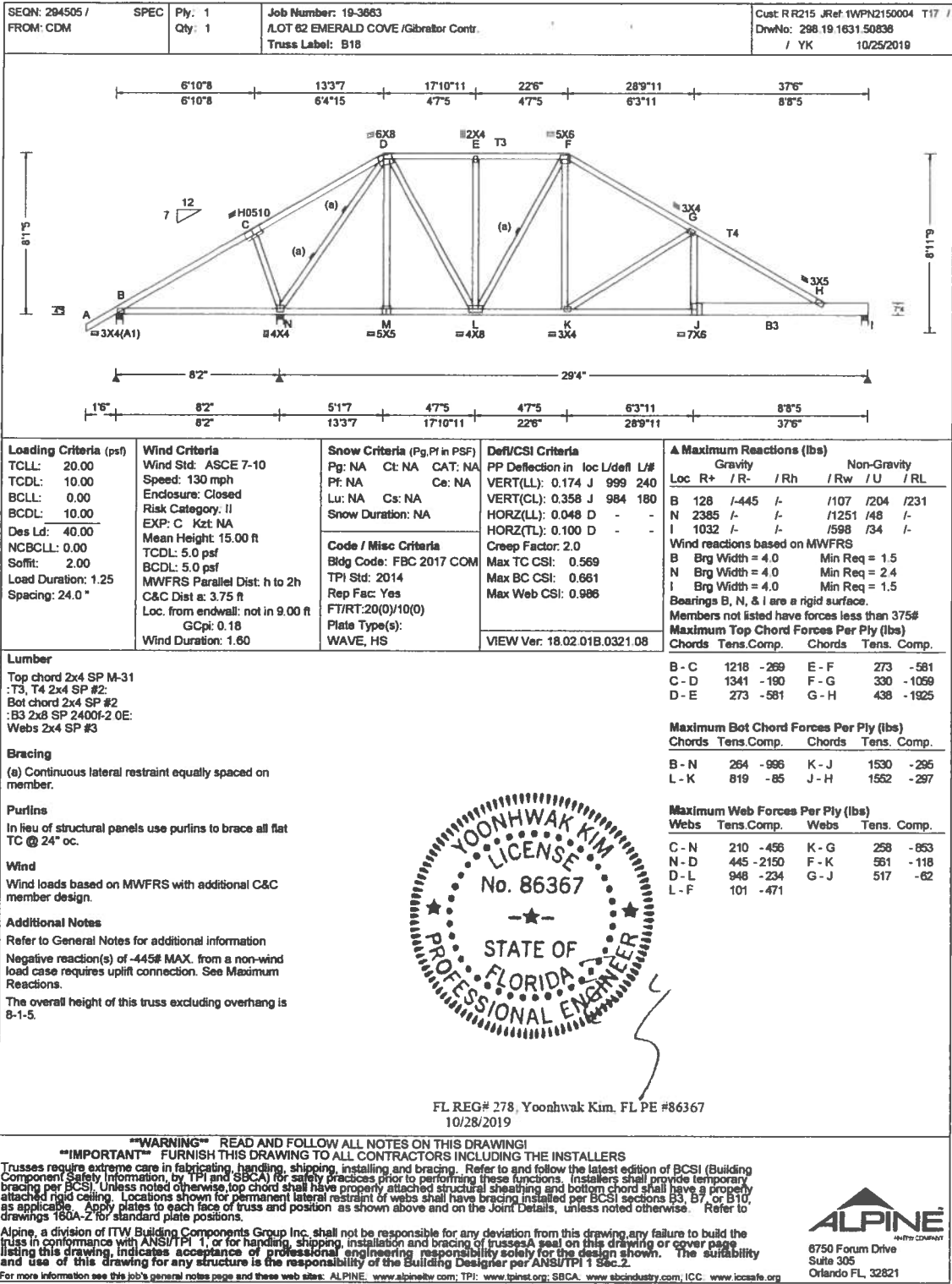
Maximum Web Forces Per Ply (lbs)

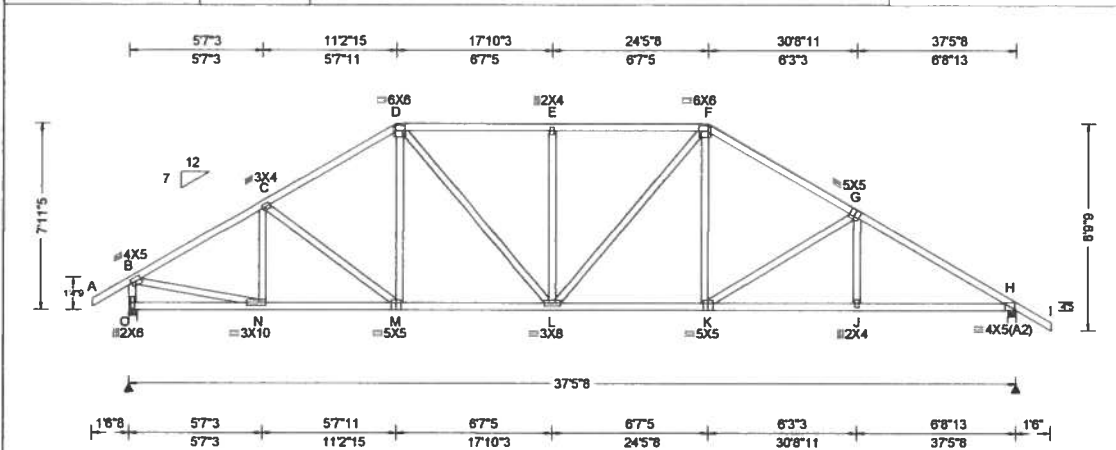
Webs	Tens.Comp.	Webs	Tens. Comp.
C - U	291 -388	H - P	915 -258
U - D	258 -1422	P - O	1552 -278
U - S	723 -850	P - I	219 -454
D - S	1173 -199	O - I	96 -384
S - F	483 -1329	I - N	1150 -378
F - R	471 -141	J - N	449 -1413
G - R	696 -270	N - K	641 -146
R - H	307 -982		

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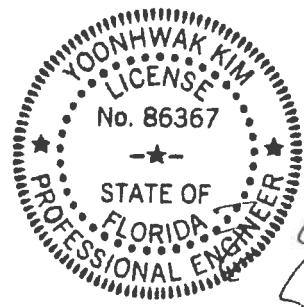
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soft: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP. 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: 3.75 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 COM 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): 0.117 E 999 240 VERT(CL): 0.240 E 999 180 HORZ(LL): 0.047 J - - HORZ(TL): 0.097 J - - Creep Factor: 2.0 Max TC CSI: 0.572 Max BC CSI: 0.653 Max Web CSI: 0.655 VIEW Ver: 18.02.01B 0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL O 1655 /- /- /969 /293 /242 H 1665 /- /- /999 /293 /- Wind reactions based on MWFRS O Brg Width = 4.0 Min Req = 2.0 H Brg Width = 4.0 Min Req = 2.0 Bearings O & 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 502 -2077 E - F 588 -1919 C - D 550 -1960 F - G 571 -2107 D - E 588 -1918 G - H 601 -2592

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

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

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

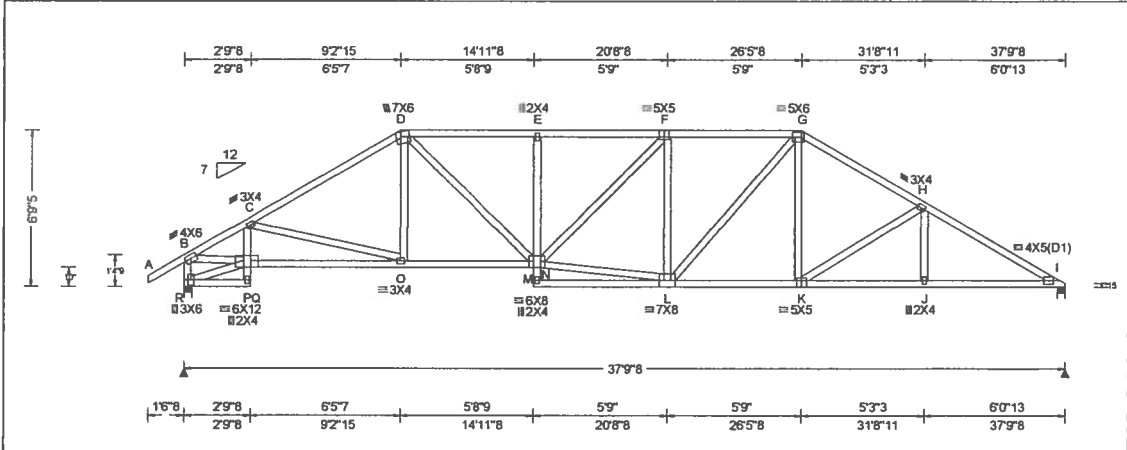
Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 7'-11"-5".



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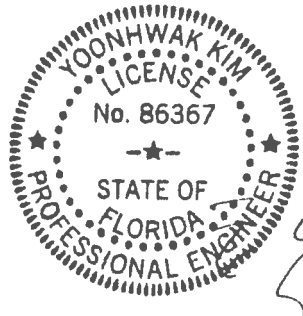
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. P1 in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.78 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 COM 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): 0.169 E 999 240 VERT(CL): 0.349 E 999 180 HORZ(LL): 0.093 J - - HORZ(TL): 0.191 J - - Creep Factor: 2.0 Max TC CSI: 0.707 Max BC CSI: 0.958 Max Web CSI: 0.903 VIEW Ver: 18 02 01B.0321 08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL R 1672 /- /- /962 /298 /195 I 1570 /- /- /897 /268 /- Wind reactions based on MWFRS R Brg Width = 4.0 Min Req = 2.0 I Brg Width = 4.0 Min Req = 1.9 Bearings R & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 672 -2777 F - G 689 -2276 C - D 613 -2389 G - H 634 -2317 D - E 729 -2589 H - I 686 -2814 E - F 727 -2579

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

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

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

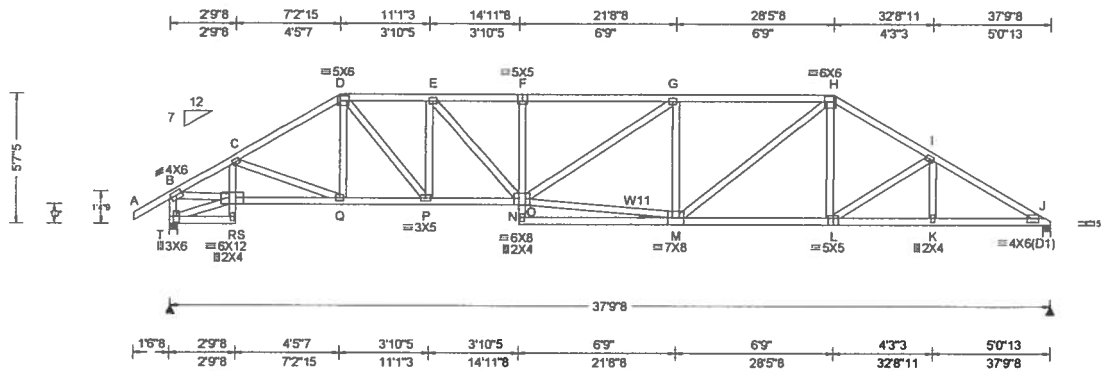
Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 6'-9".



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10/28/2019

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs)							
				Gravity			Non-Gravity				
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	T	1672	/-	/-	/	947	/302	/163
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.218 F 999 240	J	1570	/-	/-	/	882	/271	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.449 F 999 180	Wind reactions based on MWFRS							
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.099 K - -	T	Brg Width = 4.0			Min Req = 2.0			
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.203 K - -	J	Brg Width = 4.0			Min Req = 1.9			
NCBCLL: 0.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearings T & J are a rigid surface.							
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.770	Members not listed have forces less than 375#							
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.905	Maximum Top Chord Forces Per Ply (lbs)							
Spacing: 24.0"	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.879	Chords Tens Comp. Chords Tens. Comp.							
	C&C Dist a: 3.78 ft			B - C	671	-2728	F - G	887	-3281		
	Loc. from endwall: not in 9.00 ft			C - D	641	-2456	G - H	781	-2759		
	GCpi: 0.18			D - E	749	-2709	H - I	675	-2475		
	Wind Duration: 1.60			E - F	891	-3279	I - J	717	-2865		

Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
W11 2x4 SP #2:

Plating Notes

All plates are 3X4 except as noted.

Purlins

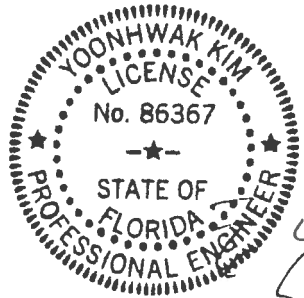
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Wind

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 5'-7-5/8".



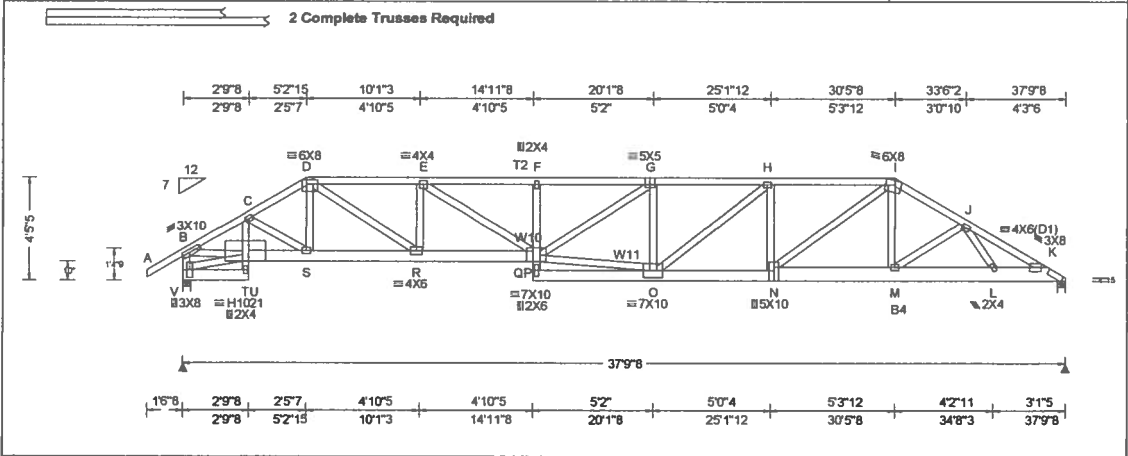
FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

****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

ALPINE
WHITE 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)							
				Gravity			Non-Gravity				
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#								
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.305 F 999 240	V	3385	/-	/-	/-	/-	/865	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.615 F 734 180	K	3185	/-	/-	/-	/-	/779	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.088 D - -	Wind reactions based on MWFRS							
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria Bldg Code: FBC 2017 COM TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	HORZ(TL): 0.178 D - -								
NCBCL: 0.00	Mean Height: 15.00 ft		Creep Factor: 2.0								
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.759								
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.302								
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.940								
	C&C Dist a: 3.78 ft										
	Loc. from endwall: not in 9.00 ft										
	GCpi: 0.18										
	Wind Duration: 1.60										
			VIEW Ver: 18.02 01B 0321.08	B - C	740	- 2905	G - H	1052	- 4091		

Lumber

Top chord 2x4 SP #2

T2 2x4 SP M-31:

Bot chord 2x6 SP 2400F-2.0E

B4 2x8 SP 2400F-2.0E:

Web 2x4 SP #3

W10, W11 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.

Web: 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes

All plates are 3X4 except as noted.

Purlins

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

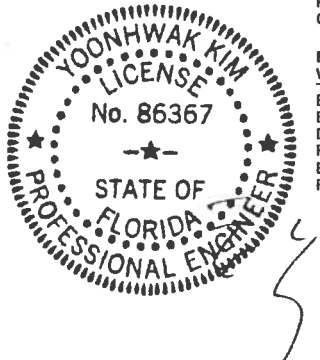
Wind

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'-5".



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

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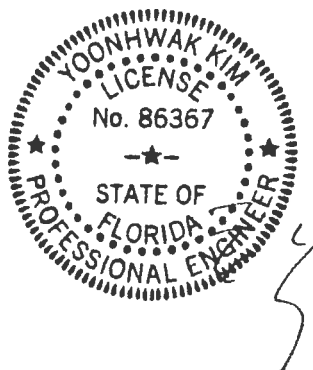
For more information see this job's general notes page and these web sites: ALPINE, www.alpineitw.com; TPI, www.tpinet.org; SBCA, www.sbcindustry.com; ICC, www.iccsafe.org

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

SEQN: 295136	HIPS	Ply: 2	Job Number: 19-3663	Cust: R 215 JRef: 1WPN2150004 T8
FROM: CDM		Qty: 1	/LOT 62 EMERALD COVE /Gibraltar Contr.	DrwNo: 298.19.1635.34583
Page 2 of 2			Truss Label: 822	/ YK 10/25/2019

Special Loads

--- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC: From 63 plf at -1.54 to 63 plf at 5.24
 TC: From 32 plf at 5.24 to 32 plf at 30.46
 TC: From 63 plf at 30.46 to 63 plf at 37.04
 BC: From 5 plf at -1.54 to 5 plf at -0.04
 BC: From 20 plf at 0.00 to 20 plf at 5.28
 BC: From 10 plf at 5.28 to 10 plf at 30.43
 BC: From 20 plf at 30.43 to 20 plf at 37.04
 BC: From 80 plf at 37.04 to 80 plf at 37.79
 TC: 154 lb Conc. Load at 5.31
 TC: 132 lb Conc. Load at 7.31, 9.31, 11.31, 13.31
 TC: 190 lb Conc. Load at 15.31, 17.31, 18.40, 20.40
 22.40, 24.40, 26.40, 28.40
 BC: 272 lb Conc. Load at 30.43
 BC: 312 lb Conc. Load at 5.24
 BC: 152 lb Conc. Load at 7.31, 9.31, 11.31, 13.31
 BC: 81 lb Conc. Load at 15.31, 17.31, 18.40, 20.40
 22.40, 24.40, 26.40, 28.40
 BC: 329 lb Conc. Load at 30.43



FL REG# 278, Yoonhwak Kim, FL PE #86367
 10/28/2019

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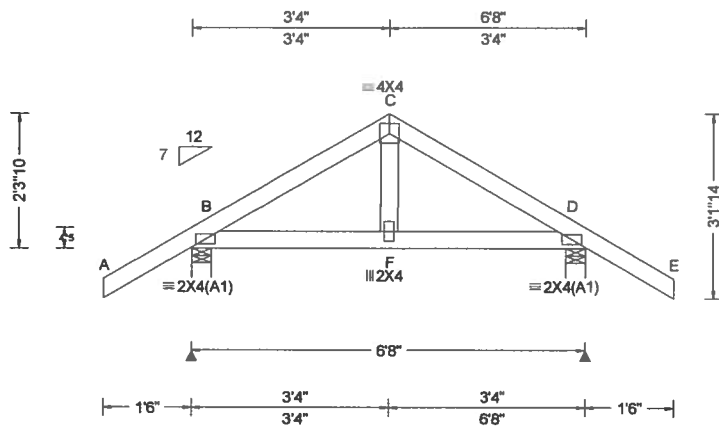
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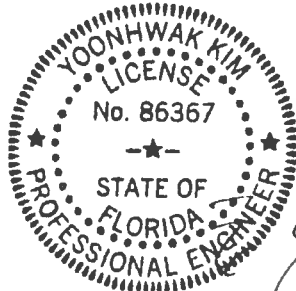


Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. P1 in PSF)		Defl/CSI Criteria		Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	VERT(LL): 0.003 F 999 240	Gravity	Loc	R+ / Rh
TCDL: 10.00	Speed: 130 mph	Pf: NA	Ce: NA		VERT(CL): 0.005 F 999 180	HORZ(LL): 0.001 F - -	Non-Gravity	Rw / U	RL
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		HORZ(TL): 0.002 F - -	Creep Factor: 2.0			
BCDL: 10.00	Risk Category: II	Snow Duration: NA			Max TC CSI: 0.182	Max BC CSI: 0.071			
Des Ld: 40.00	EXP: C Kzt: NA				Max Web CSI: 0.029	VIEW Ver: 18.02.01B.0321.08			
NCBCLL: 0.00	Mean Height: 15.00 ft								
Soffit: 2.00	TCDL: 5.0 psf								
Load Duration: 1.25	BCDL: 5.0 psf								
Spacing: 24.0"	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								

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.

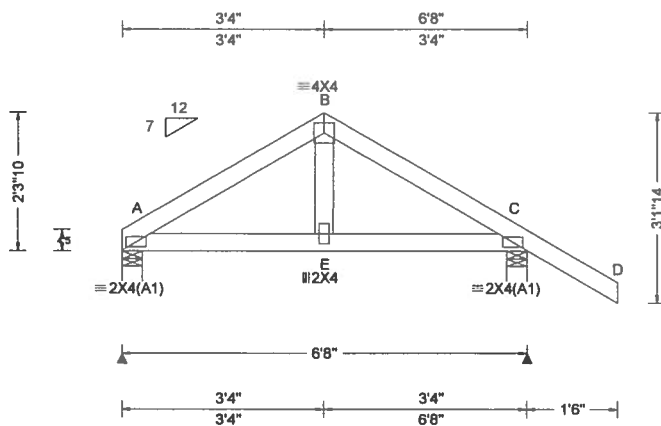
Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 23-3-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

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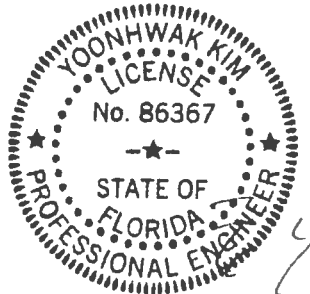


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to hv2 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 COM TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.002 E 999 240 VERT(CL): 0.005 E 999 180 HORZ(LL): 0.001 E - - HORZ(TL): 0.003 E - - Creep Factor: 2.0 Max TC CSI: 0.199 Max BC CSI: 0.105 Max Web CSI: 0.027 VIEW Ver: 18.02.01B 0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 263 /- /- /159 /38 /77 C 393 /- /- /255 /74 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 C Brg Width = 4.0 Min Req = 1.5 Bearings A & C are a rigid surface. Members not listed have forces less than 375#

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

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

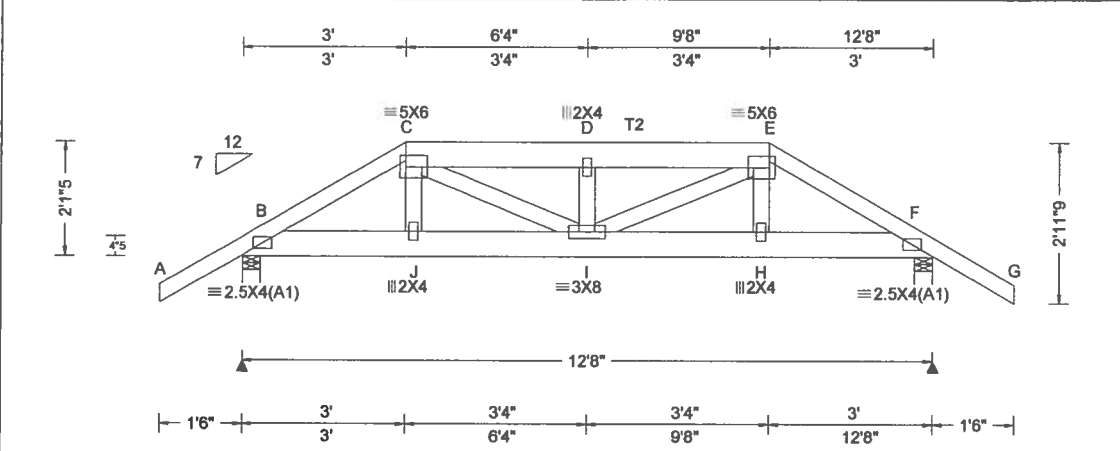
Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 2-3-10.



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10/28/2019

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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 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: 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 COM 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): 0.023 D 999 240 VERT(CL): 0.038 D 999 180 HORZ(LL): 0.005 H - - HORZ(TL): 0.008 H - - Creep Factor: 2.0 Max TC CSI: 0.229 Max BC CSI: 0.081 Max Web CSI: 0.145 VIEW Ver: 19.02.00.0929.20	Gravity Loc R+ / R- / Rh / Rw / U / RL B 815 - / - / - / 221 - / - F 815 - / - / - / 221 - / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = 4.0 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 313 - 1102 D - E 336 - 1269 C - D 336 - 1269 E - F 313 - 1102

Lumber
Top chord 2x4 SP #2
T2 2x6 SP 2400F-2.0E
Bot chord 2x6 SP 2400F-2.0E
Webs 2x4 SP #3

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.50 to 63 plf at 3.00
TC: From 32 plf at 3.00 to 32 plf at 9.67
TC: From 63 plf at 9.67 to 63 plf at 14.17
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 3.03
BC: From 10 plf at 3.03 to 10 plf at 9.64
BC: From 20 plf at 9.64 to 20 plf at 12.67
BC: From 5 plf at 12.67 to 5 plf at 14.17
TC: 158 lb Conc. Load at 3.03, 9.64
TC: 63 lb Conc. Load at 5.06, 6.33, 7.61
BC: 38 lb Conc. Load at 3.03, 9.64
BC: 23 lb Conc. Load at 5.06, 6.33, 7.61

Purlins

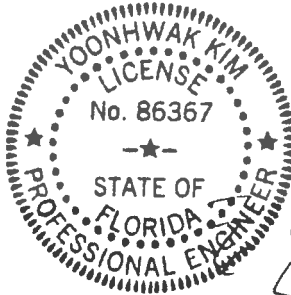
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information



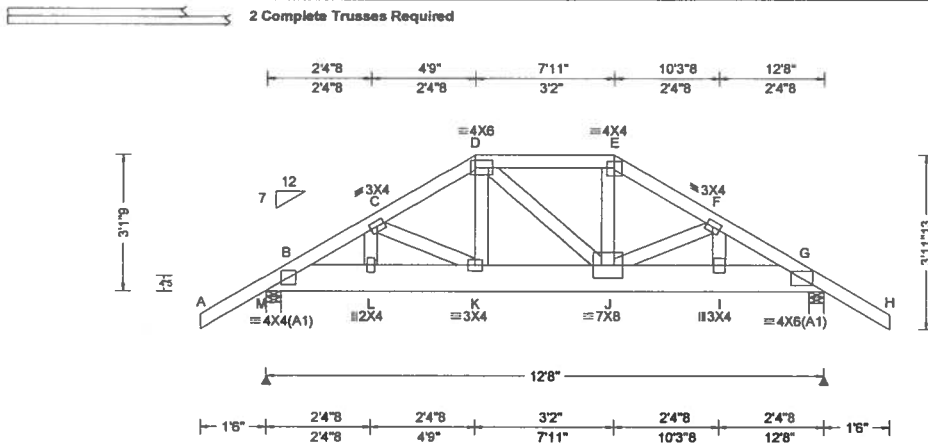
FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

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6750 Forum Drive
Suite 305
Orlando FL, 32821



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 COM 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): 0.040 J 999 240 VERT(CL): 0.080 J 999 180 HORZ(LL): 0.008 I - - HORZ(TL): 0.016 I - - Creep Factor: 2.0 Max TC CSI: 0.306 Max BC CSI: 0.252 Max Web CSI: 0.478 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity Loc R+ / R- / U / RL M 2327 /- /- /- /605 /- G 4099 /- /- /- /962 /- Wind reactions based on MWFRS M Brg Width = 4.0 Min Req = 1.5 G Brg Width = 4.0 Min Req = 1.7 Bearings M & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 480 -1870 E - F 697 -2685 C - D 546 -2074 F - G 743 -3142 D - E 614 -2375

Lumber
Top chord 2x4 SP #2
Bot chord 2x8 SP 2400F-2.0E
Webs 2x4 SP #3

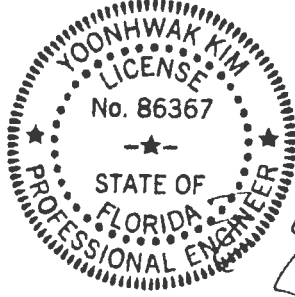
Nailnote
Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

Special Loads
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.50 to 63 plf at 14.17
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.06
BC: From 10 plf at 7.06 to 10 plf at 12.87
BC: From 5 plf at 12.67 to 5 plf at 14.17
BC: 2773 lb Conc. Load at 7.06
BC: 1227 lb Conc. Load at 9.06, 11.06

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

Wind
Wind loads and reactions based on MWFRS.

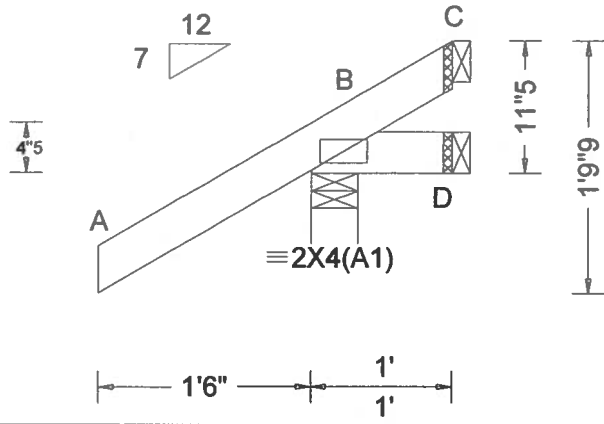
Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is
3-1-9.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. P1 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/#	VERT(LL): NA	Gravity	Loc	R+ / R-
TCDL: 10.00	Speed: 130 mph	Pf: NA	Ce: NA		VERT(CL): NA	HORZ(LL): -0.000 D - -	/ Rh	/ Rh	/ Rh
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		HORZ(TL): 0.001 D - -	Creep Factor: 2.0	/ Rw	/ U	/ RL
BCDL: 10.00	Risk Category: II	Snow Duration: NA			Max TC CSI: 0.182	Max BC CSI: 0.023			
Des Ld: 40.00	EXP: C Kzt: NA				Max Web CSI: 0.000				
NCBCLL: 0.00	Mean Height: 15.00 ft								
Soffit: 2.00	TCDL: 5.0 psf								
Load Duration: 1.25	BCDL: 5.0 psf								
Spacing: 24.0"	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								

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 0-11-5.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.

Provide (2) 16d common 0.162"x3.5", toe-nails at BC.

FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

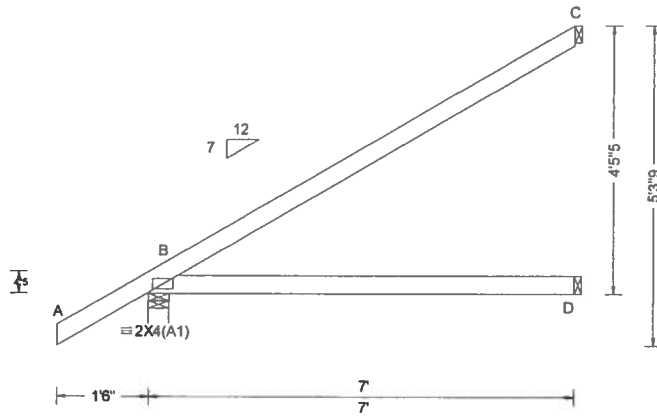
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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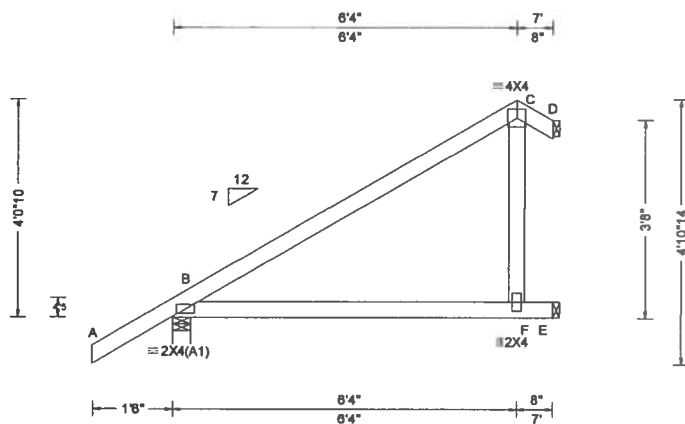
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg.Pr in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	Pf: NA	Ce: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Lu: NA	Cs: NA				VERT(LL): NA	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Snow Duration: NA					VERT(CL): NA	B	412	-/-	-/-	288	142	141
BCDL: 10.00	Risk Category: II						HORZ(LL): 0.014	D	82	-/-	-/-	90	10	-
Des Ld: 40.00	EXP: C Kzt: NA						HORZ(TL): 0.027	D	-	-	-	99	78	-
NCBCLL: 0.00	Mean Height: 15.00 ft						Creep Factor: 2.0	Wind reactions based on MWFRS						
Soffit: 2.00	TCDL: 5.0 psf						Max TC CSI: 0.730	B	Brg Width = 4.0		Min Req = 1.5			
Load Duration: 1.25	BCDL: 5.0 psf						Max BC CSI: 0.414	D	Brg Width = 1.5		Min Req = -			
Spacing: 24.0"	MWFRS Parallel Dist: h/2 to h						Max Web CSI: 0.000	C	Brg Width = 1.5		Min Req = -			
	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													



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	A Maximum Reactions (lbs)						
	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.030 C 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.060 C 999 180	B	412	-/-	-/-	/286	/51	/124
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.039 D - -	E	285	-/-	-/-	/144	/108	-/-
	EXP: C Kzt: NA		HORZ(TL): 0.079 D - -	D	-	-14	-/-	/100	/20	-/-
	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on MWFRS						
	TCDL: 5.0 psf	Bldg Code: FBC 2017 COM	Max TC CSI: 0.612	B	Brg Width = 4.0		Min Req = 1.5			
	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.433	E	Brg Width = 1.5		Min Req = -			
	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.210	D	Brg Width = 1.5		Min Req = -			
C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface.							
Loc. from endwall: not in 4.50 ft	Plate Type(s):		Members not listed have forces less than 375#							
GCp1: 0.18	WAVE		VIEW Ver: 18.02.01B.0321.08							
Wind Direction: 1.60										

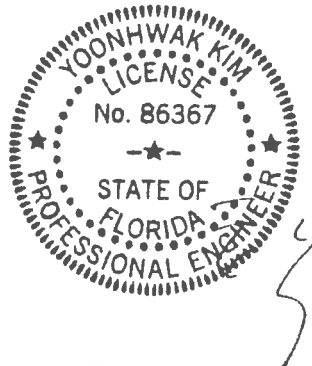
Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3

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

Additional Notes:

Refer to General Notes for additional information
The overall height of this truss excluding overhang is
4'-0"-10."

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC



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10/28/2019

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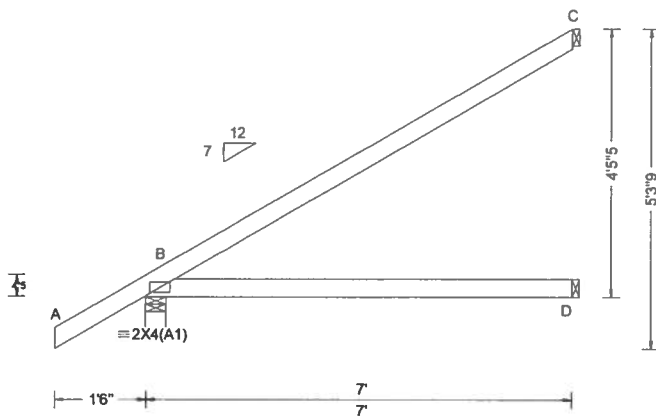
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components Suppliers Institute) Trussing Manual, published by the Building Components Suppliers Institute, 10000 Westpark Drive, Suite 100, Dallas, TX 75243, for complete instructions concerning these functions. Truss installers shall provide temporary bracing per BCSI, unless noted otherwise, top chord shall have proper attached bracing at bottom chord. Truss installers shall provide temporary bracing at bottom chord. 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.

Apine, 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, and on this drawing or cover sheet 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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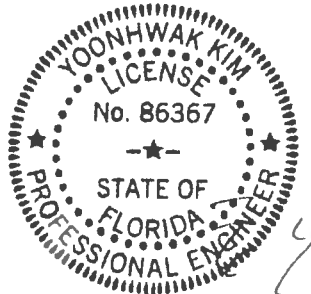
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. P1 in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 COM 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): 0.014 D - - HORZ(TL): 0.027 D - - Creep Factor: 2.0 Max TC CSI: 0.730 Max BC CSI: 0.414 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 412 /- /- /288 /42 /141 D 82 /- /- /90 /0 /- C 190 /- /- /99 /78 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

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

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

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

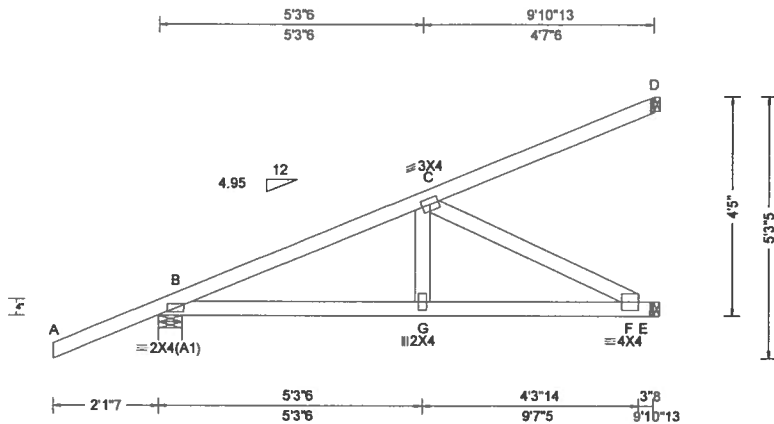
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Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



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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: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.80	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 COM 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): 0.017 G 999 240 VERT(CL): 0.030 G 999 180 HORZ(LL): -0.005 G - - HORZ(TL): 0.009 G - - Creep Factor: 2.0 Max TC CSI: 0.603 Max BC CSI: 0.462 Max Web CSI: 0.228 VIEW Ver: 18.02.01B.0321.08	A Maximum Reactions (lbs) Loc R+ / R- / Rh / Rw / U / RL B 174 /- /- /- /206 /- E 247 /- /- /- /79 /- D 82 /- /- /- /20 /- Wind reactions based on MWFRS B Brg Width = 5.7 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

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 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: -111 lb Conc. Load at 1.48
TC: 125 lb Conc. Load at 4.31
TC: 259 lb Conc. Load at 7.13
BC: -34 lb Conc. Load at 1.48
BC: 47 lb Conc. Load at 4.31
BC: 107 lb Conc. Load at 7.13

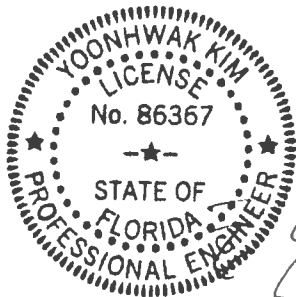
Wind

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'-5".

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



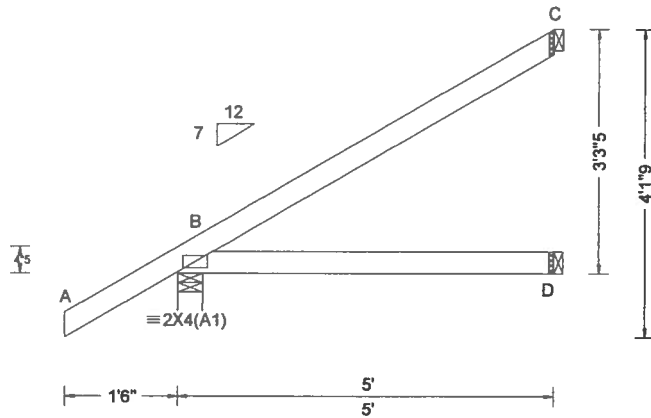
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10/28/2019

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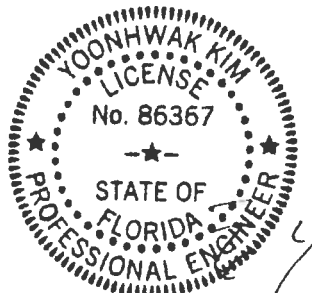


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. P1 in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: 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 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 COM 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 HORIZ(LL): 0.004 D - - HORIZ(TL): 0.008 D - - Creep Factor: 2.0 Max TC CSI: 0.319 Max BC CSI: 0.178 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 335 /- /- /239 /40 /108 D 54 /- /- /64 /- /- C 129 /- /- /66 /54 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

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

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

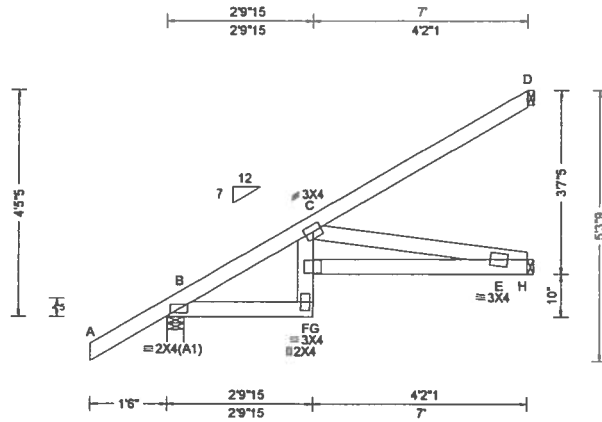
Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 3-3-5.
Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



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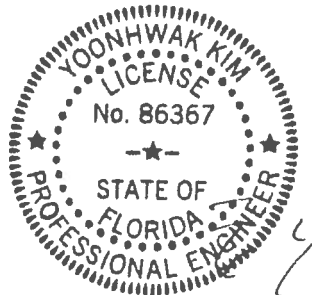
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: 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 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 COM 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): 0.025 F 999 240 VERT(CL): 0.049 F 999 180 HORZ(LL): 0.017 E - - HORZ(TL): 0.035 E - - Creep Factor: 2.0 Max TC CSI: 0.285 Max BC CSI: 0.198 Max Web CSI: 0.984 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 400 / - / - / 277 / 39 / 141 H 151 / - / - / 121 / 31 / - D 132 / - / - / 74 / 45 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 H 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 Bot Chord Forces Per Ply (lbs) Chords Tens.Comp.

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 4-5-5.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

F - E 486 -244

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

C - E 250 -499

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

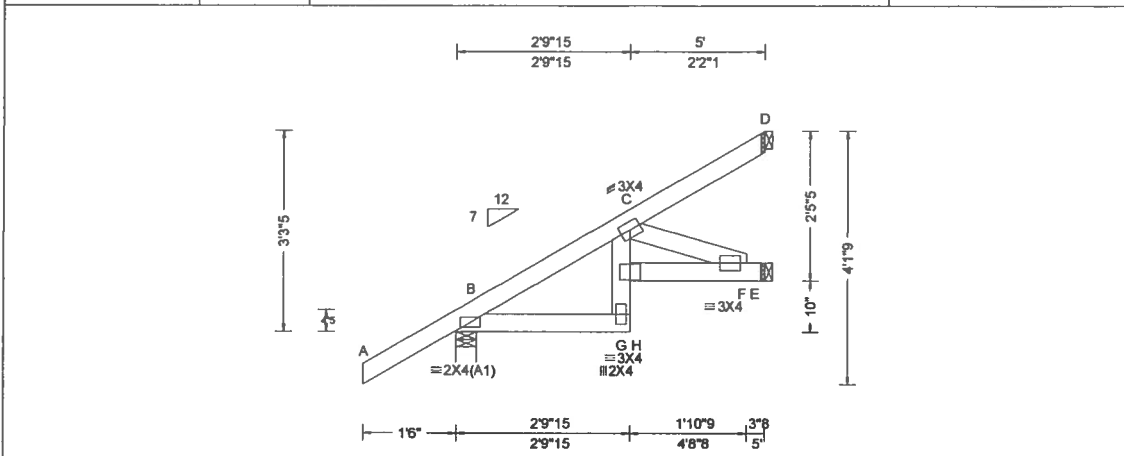
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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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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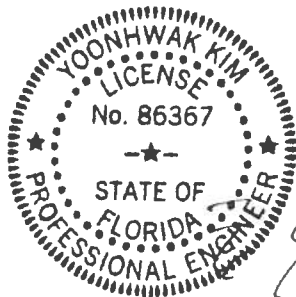
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	VERT Deflection in loc L/def L/8	Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.009 G 999 240	Non-Gravity
BCLL: 0.00	Enclosure: Closed	Lr: NA Cs: NA	VERT(CL): 0.018 G 999 180	Loc R+ / R- / Rh / Rw / U / RL
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 F - -	B 335 /- /- /238 /39 /108
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.014 F - -	E 110 /- /- /84 /23 /-
NCBCLL: 0.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	D 73 /- /- /41 /28 /-
Sofft: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 COM	Max TC CSI: 0.199	Wind reactions based on MWFRS
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.124	B Brg Width = 4.0 Min Req = 1.5
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.468	E Brg Width = 1.5 Min Req = -
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		D Brg Width = 1.5 Min Req = -
	Loc. from endwall: not in 4.50 ft	Plate Type(s):		Bearing B is a rigid surface.
	GCp1: 0.18	WAVE		Members not listed have forces less than 375#
	Wind Duration: 1.60		VIEW Ver: 18.02.018.0321.08	

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 3-3.5.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

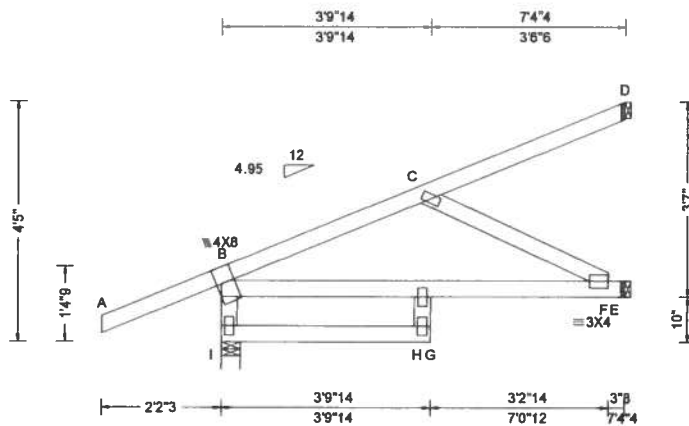
****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
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Alpine, a division of ITW Building Components Group Inc, shall not be responsible for any deviation from this 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 shall be provided by the manufacturer or distributor of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any purpose other than that intended is the responsibility of the user.

For more information see this job's general notes page and these web sites: ALPINE: www.alpineinc.com; TPI: www.tpinet.org; SBCA: www.sbcincusd.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)						
		Wind Std: ASCE 7-10		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity		Non-Gravity				
TCLL: 20.00		Speed: 130 mph		Pf: NA Ce: NA		VERT(LL): 0.162 H 545 240		Loc	R+	R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.316 H 279 180		I	242	/-	/7	/-	/114	/1
BCLL: 0.00		Risk Category: II		Snow Duration: NA		HORZ(LL): -0.010 H - -		E	160	/-	/0	/-	/57	/0
BCDL: 10.00		EXP: C Kzt: NA				HORZ(TL): 0.020 H - -		D	22	/-	/7	/-	/7	/1
Des Ld: 40.00		Mean Height: 15.00 ft				Creep Factor: 2.0		Wind reactions based on MWFRS						
NCBCLL: 0.00		TCDL: 5.0 psf		Code / Misc Criteria		Max TC CSI: 0.158		I Brg Width = 4.2 Min Req = 1.5						
Soffit: 2.00		BCDL: 5.0 psf		Bldg Code: FBC 2017 COM		Max BC CSI: 0.870		E Brg Width = 1.5 Min Req = -						
Load Duration: 1.25		MWFRS Parallel Dist: 0 to h/2		TPI Std: 2014		Max Web CSI: 0.040		D Brg Width = 1.5 Min Req = -						
Spacing: 24.0 "		C&C Dist a: 3.00 ft		Rep Fac: No				Bearing I is a rigid surface.						
		Loc. from endwall: not in 4.50 ft		FT/RT:20(0)/10(0)				Members not listed have forces less than 375#						
		GCpl: 0.18		Plate Type(s):										
		Wind Duration: 1.60		WAVE				VIEW Ver: 18.02 01B.0321 08						

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

Special Loads
---(Lumber Dur Fac.=1.25 / Plate Dur Fac.=1.25)
TC: From 0 plf at -2.18 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 7.35
BC: From 0 plf at -2.18 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 7.35
TC: 63 lb Conc. Load at 1.88
TC: -25 lb Conc. Load at 1.88
TC: 94 lb Conc. Load at 4.71
BC: 36 lb Conc. Load at 1.88
BC: 155 lb Conc. Load at 4.71

Plating Notes

All plates are 2X4 except as noted.

Wind

Wind loads and reactions based on MWFRS.

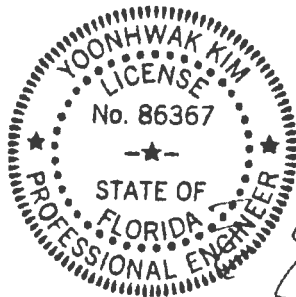
Additional Notes

Refer to General Notes for additional information

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

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.

Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

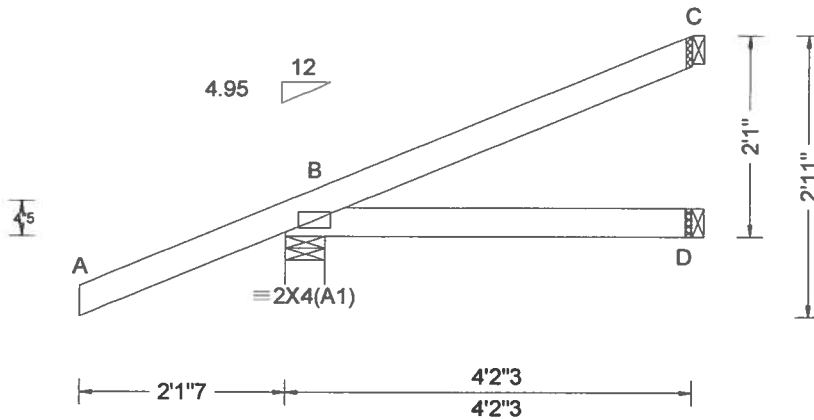
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)					
				Loc	R+	R-	Rh	Rw	U
TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist: 3.00 ft Loc. from endwall: NA GCPI: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 COM 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): NA VERT(CL): NA HORZ(LL): -0.002 D - - HORZ(TL): 0.004 D - - Creep Factor: 2.0 Max TC CSI: 0.435 Max BC CSI: 0.138 Max Web CSI: 0.000 VIEW Ver: 19.02.00.0929.20	B 259 D 15 C 63	-/- -/- -/-	-/- -/- -/-	-/- -/- -/-	-/- -/- -/-	-/- -/- -/-

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

Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at -2.12 to 62 plf at 4.18
BC: From 4 plf at -2.12 to 4 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 4.18
TC: -111 lb Conc. Load at 1.41
BC: -34 lb Conc. Load at 1.41

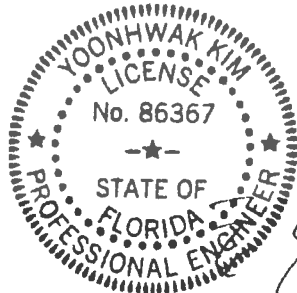
Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information
WIND LOAD CASE MODIFIED!

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

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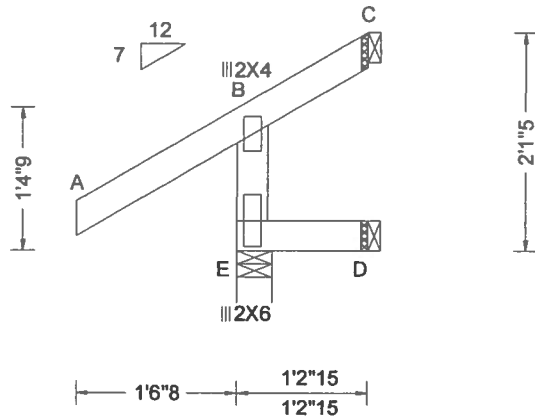
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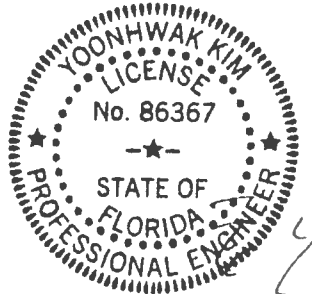
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. P1 in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: 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 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 COM 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: 0.192 Max BC CSI: 0.009 Max Web CSI: 0.072 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 221 /- /- /199 /77 /- D 12 /- /- /17 /- /- C - /-25 /- /48 /60 /48 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 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 2'-1-5".

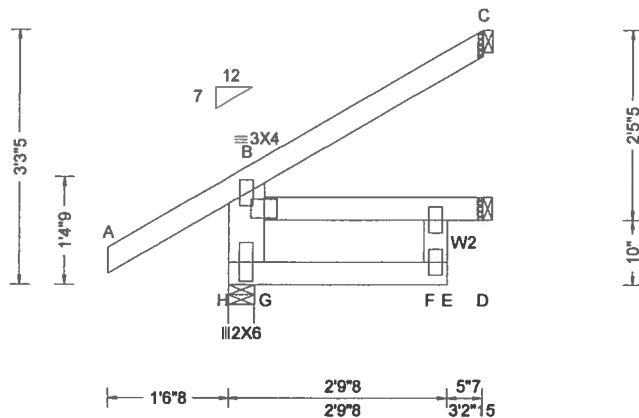
Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



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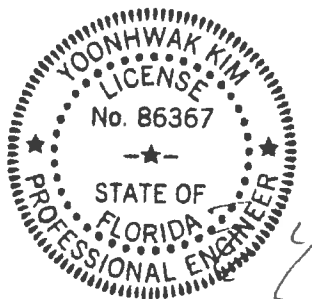
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II 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: 3.00 ft Loc. from endwall, not in 4.50 ft GCpi: 0.18 Wind Duration: 1.80	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bidg Code: FBC 2017 COM 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): 0.003 E 999 240 VERT(CL): 0.005 E 999 180 HORZ(LL): 0.003 H - - HORZ(TL): 0.005 H - - Creep Factor: 2.0 Max TC CSI: 0.275 Max BC CSI: 0.074 Max Web CSI: 0.145 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity Loc R+ / R- / Rh H 311 /- /- /257 /86 /- D 45 /- /72 /53 /2 /56 C 18 /- /72 /41 /42 /97 Wind reactions based on MWFRS H Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing H 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
W2 2x4 SP #3

Plating Notes
All plates are 2X4 except as noted.

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

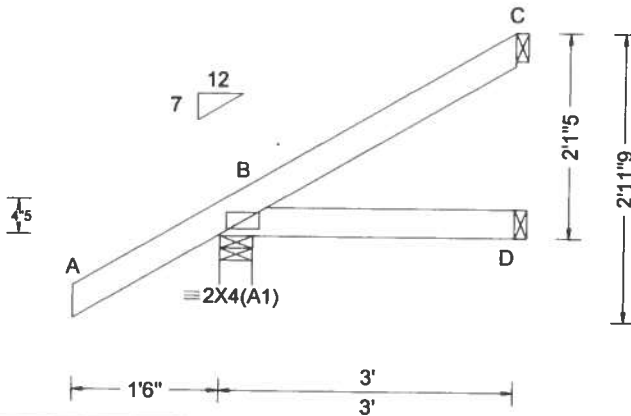
Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 3-3.5.
Provide (2) 18d common 0.162"x3.5", toe-nails at TC.
Provide (2) 18d common 0.162"x3.5", toe-nails at BC.



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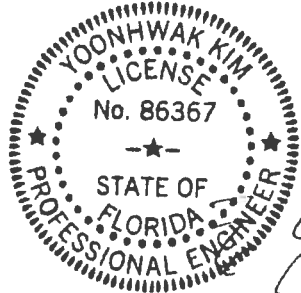


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf 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 COM 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): 0.001 D HORZ(TL): 0.001 D Creep Factor: 2.0 Max TC CSI: 0.182 Max BC CSI: 0.058 Max Web CSI: 0.000 VIEW Ver: 18.02 01B 0321 08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 265 /- /- /196 /40 /74 D 23 /- /- /39 /2 /- C 63 /- /- /27 /28 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

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

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

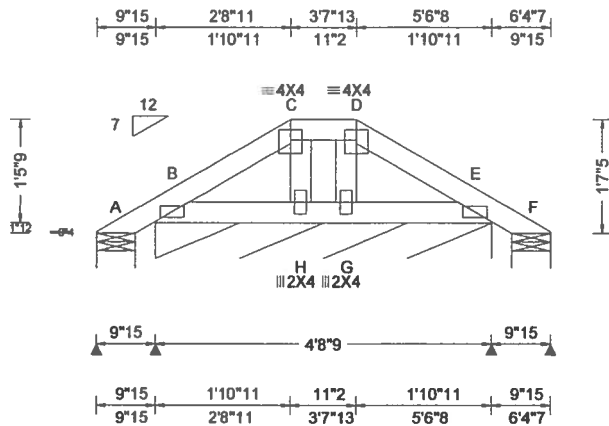
Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 2'-1-5.



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

ALPINE
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), 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: 20.91 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpf: 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 COM 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 G 999 240 VERT(CL): 0.001 G 999 180 HORZ(LL): 0.000 H - - HORZ(TL): 0.000 H - - Creep Factor: 2.0 Max TC CSI: 0.031 Max BC CSI: 0.021 Max Web CSI: 0.011 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 10 /- /- /29 /19 /40 B* 79 /- /- /54 /13 /- F 10 /- /- /12 /2 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 56.6 Min Req = - F Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & F are a rigid surface. Members not listed have forces less than 375#

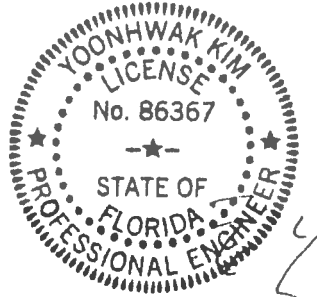
Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 24" oc.

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

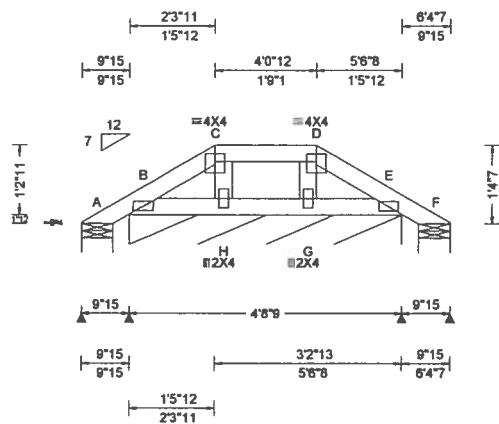
Additional Notes
Refer to General Notes for additional information
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 17'-5".



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

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; SBCE: www.sbceindustry.com; ICC: www.iccsafe.org

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



Loading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.79 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpf: 0.18 Wind Duration: 1.60	Snow Criteria (Pg.P1 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 COM 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(TL): 0.000 G 999 240 VERT(CL): 0.000 G 999 180 HORZ(LL): 0.000 G - - HORZ(TL): 0.000 H - - Creep Factor: 2.0 Max TC CSI: 0.049 Max BC CSI: 0.014 Max Web CSI: 0.016 VIEW Ver: 18.02.01B.0321.08	▲ Maximum Reactions (lbs), or *aPLF					
				Gravity			Non-Gravity		
				Loc	R+	/R-	/Rh	/Rw	/U
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"	A	17	-	-	/26	/14	/33		
	B*	76	-	-	/52	/16	-		
	F	17	-	-	/17	/4	-		
	Wind reactions based on MWFRS								
	A	Brg Width = 6.5		Min Req = 1.5					
	B	Brg Width = 56.6		Min Req = -					
	F	Brg Width = 6.5		Min Req = 1.5					
	Bearings A, B, & F are a rigid surface. Members not listed have forces less than 375#								

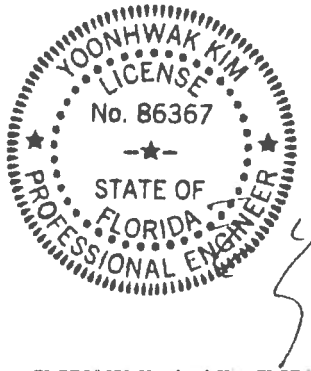
Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 24" oc.

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 1'-4.7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/28/2019

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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

ALPINE
BUILDING COMPONENTS
6750 Forum Drive
Suite 305
Orlando FL, 32821

ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
 Dr: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
 Dr: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

Max Gable Vertical Length		2x4 Gable Vertical		Brace	No Braces	(1) 1x4 'L' Brace		(1) 2x4 'L' Brace		(2) 2x4 'L' Brace		(1) 2x6 'L' Brace		(2) 2x6 'L' Brace	
		Spacing	Species			Grade	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	
24" o.c.	SPF	#1 / #2	HF	Standard	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	14' 0"
					4' 1"	6' 7"	7' 1"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	14' 0"	14' 0"
					4' 1"	6' 7"	7' 0"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	14' 0"	14' 0"
		#3	DFL	Standard	4' 1"	5' 8"	6' 0"	7' 7"	8' 1"	10' 1"	10' 6"	11' 10"	12' 8"	14' 0"	14' 0"
					4' 6"	7' 4"	7' 8"	8' 8"	9' 0"	10' 4"	10' 9"	13' 8"	14' 0"	14' 0"	14' 0"
					4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	14' 0"
	SP	#1	HF	Standard	4' 2"	6' 0"	6' 4"	7' 11"	8' 6"	10' 2"	10' 7"	12' 5"	13' 4"	14' 0"	14' 0"
					4' 0"	5' 3"	5' 7"	7' 0"	7' 6"	9' 6"	10' 2"	11' 5"	11' 10"	14' 0"	14' 0"
					4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	DFL	Standard	4' 8"	8' 1"	8' 8"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
					4' 8"	8' 1"	8' 6"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
					4' 8"	8' 11"	7' 5"	9' 3"	9' 11"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#1	HF	Standard	5' 1"	8' 5"	8' 9"	9' 11"	10' 4"	11' 10"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"
					4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
					4' 9"	7' 4"	7' 9"	9' 9"	10' 2"	11' 8"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	DFL	Standard	4' 9"	7' 4"	7' 9"	9' 9"	10' 2"	11' 8"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
					4' 8"	6' 5"	6' 10"	8' 7"	9' 2"	11' 7"	12' 1"	13' 6"	14' 0"	14' 0"	14' 0"
					5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	11' 8"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
	SPF	#1 / #2	HF	Standard	5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
					5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
					5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	DFL	Standard	5' 1"	8' 0"	8' 6"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
					5' 8"	9' 3"	9' 8"	10' 11"	11' 4"	13' 0"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"
					5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	12' 11"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
SP	#1	HF	Standard	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"	
				5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"	
				5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"	
	#3	DFL	Standard	5' 1"	7' 5"	7' 11"	9' 11"	10' 7"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
				5' 1"	7' 5"	7' 11"	9' 11"	10' 7"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
				5' 1"	7' 5"	7' 11"	9' 11"	10' 7"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	

Bracing Group Species and Grades:			
Group A:			
Service Pine Fir	Hein Fir		
#1 / #2 Standard	#2 Stud		
#3 Stud	#3 Standard		
Douglas Fir-Larch	Southern Pine		
#3	#3		
Standard	Standard		

Group B:			
Hein Fir			
#1 & #2			
#1			
Douglas Fir-Larch	Southern Pine		
#1	#1		
#2	#2		

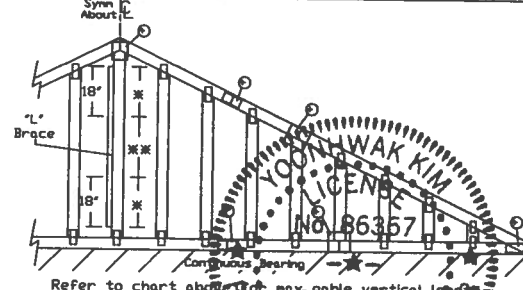
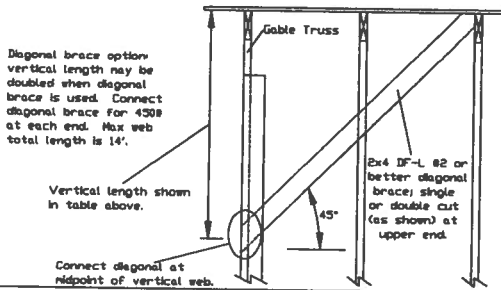
1x4 Braces shall be SRB (Stress-Rated Board).
 For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:
 Wind Load deflection criterion is L/240.
 Provide uplift connections for 55 psf over continuous bearing (5 psf TC Dead Load).
 Gable end supports load from 4' 0" outcrookers with 2' 0" overhang, or 12" plywood overhang.

Attach 'L' braces with 10d (0.128"x3.0" min) nails.
 * For (1) 'L' brace: space nails at 2' o.c. in 18" end zones and 4' o.c. between zones.
 * For (2) 'L' braces: space nails at 3' o.c. in 18" end zones and 6' o.c. between zones.
 'L' bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0"	3X4

* Refer to common truss design for peak, splice, and heel plates.
 Refer to the Building Designer for conditions not addressed by this detail.



ALPINE
 AN ITW COMPANY
 13723 Riverport Drive
 Suite 200
 Maryland Heights, MO 63043

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

Yoonhwak Kim
 LICENSE
 No. 86357
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

MAX. TOT. L.D. 60 PSF
 MAX. SPACING 24'0"

REF ASCE7-10-GABI4015
 DATE 10/01/14
 DRWG A14015ENC101014

10/28/2019
 FL REG# 278, Yoonhwak Kim, FL PE #86367

CLR Reinforcing Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired.

Notes:

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforcement or scab reinforcement.

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

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

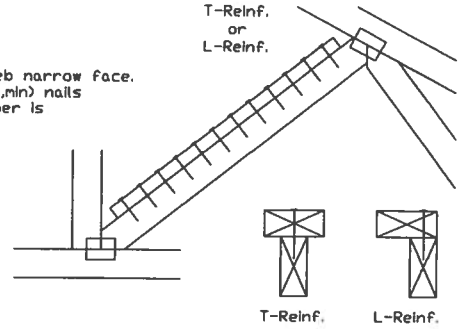
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(Ø)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(Ø)

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.

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

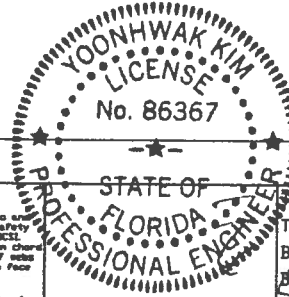
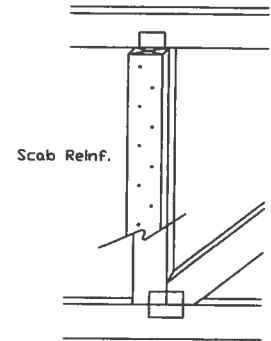
T-Reinforcement or L-Reinforcement:

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.



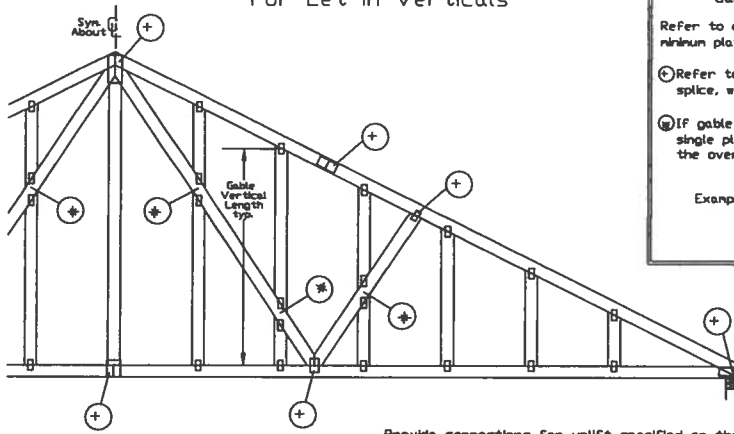
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

READER: BEAD 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 BSCA 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. Refer to drawings 150k-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 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.alpinehvac.com TPI: www.tpihvac.org BSCA: www.bscaindustrial.org BCSI: www.bcsi.org

BC LL	PSF	REF	CLR Subst.
TC DL	PSF	DATE	01/02/19
BC DL	PSF	DRWG	BRCLBSUB0119
BC LL	PSF		
TOY. L.D.	PSF		
DUR. FAC.			
SPACING			

10/28/2019
FL REP# 278, Yoonhwak Kim, FL PE #86367

Gable Detail For Let-in Verticals



Gable Truss Plate Sizes

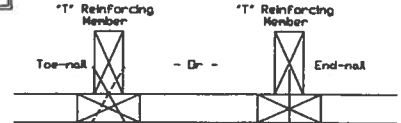
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

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: 2X4, 2X4, 2X8

"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. Mar. 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"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.

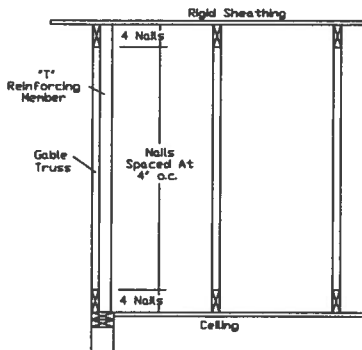
ASCE 7-05 Gable Detail Drawings

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, A20015ENC100118, A20015ENC100118, A20015ENC100118,
A11530ENC100118, A12030ENC100118, A14030ENC100118, A10030ENC100118, A14030ENC100118,
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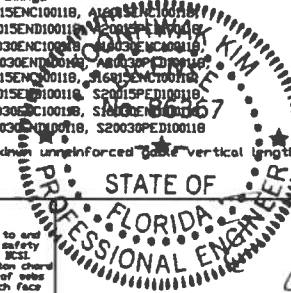
See appropriate Alpine gable detail for maximum unreinforced gable vertical length.



ALPINE
AN ITW COMPANY

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IMPORTANT: 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 ICCI Building Component Safety Information, by TPI and SCSA for safety 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 a properly attached rigid ceiling. Locations shown for permanent lateral restraint of eaves shall have bracing installed per ICCI sections 83, 87 or 89, 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 1604-Z for standard plate positions.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.
A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see this job's general notes page and these web sites:
ALPINE: www.alpine.com TPI: www.tpi.org SCSA: www.scsa.org ICC: www.icci.org



FE REG# 276, Toonhwak Kim, FL PE #86367

REF LET-IN VERT
DATE 01/02/2018
DRWG GBLLETIN0118

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

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

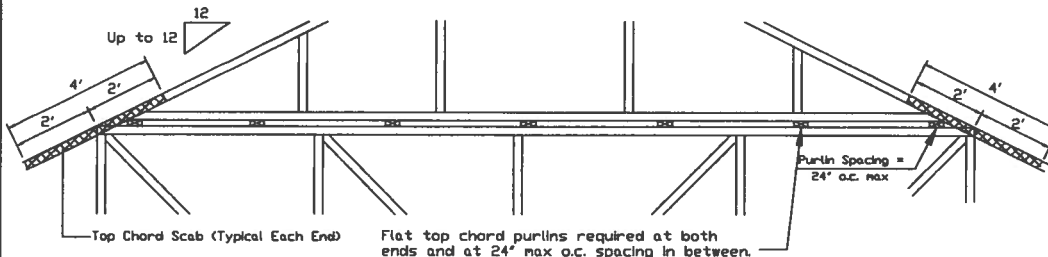
160 mph Wind, 30.00 Ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL = 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 Ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp D, Wind DL = 5.0 psf (min), Kzt=1.0.

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

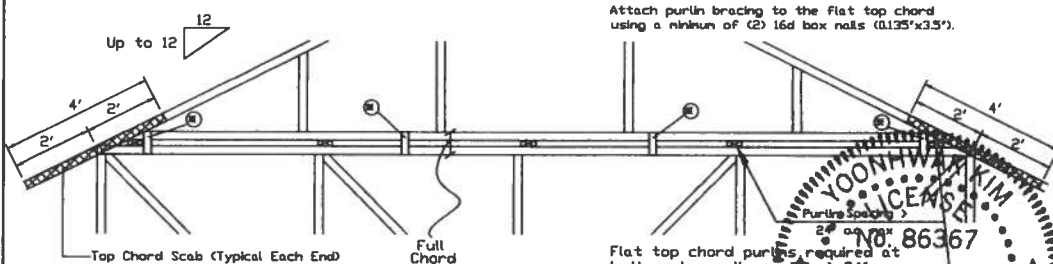


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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

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

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



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

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

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

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

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

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

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

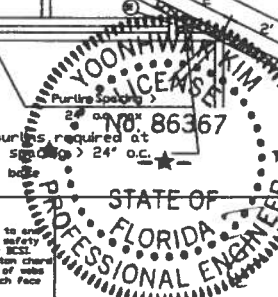
2x4 Vertical Scabs
2x4 SPF #2, Full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.

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



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

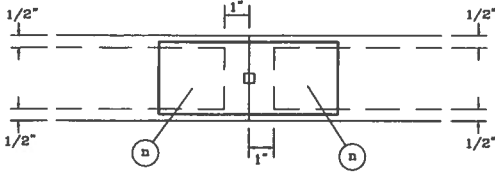


REF	PIGGYBACK
DATE	10/01/14
DRWG	PB160101014
SPACING	24.0"

10/28/2019
FL REC# 278, Yoonhwak Kim, FL PE #86367

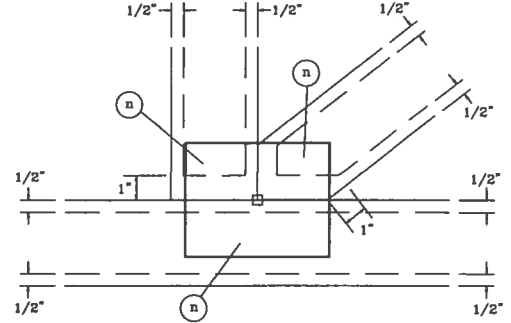
TRULOX INFORMATION DETAIL

TYPICAL OFF PANEL SPLICE

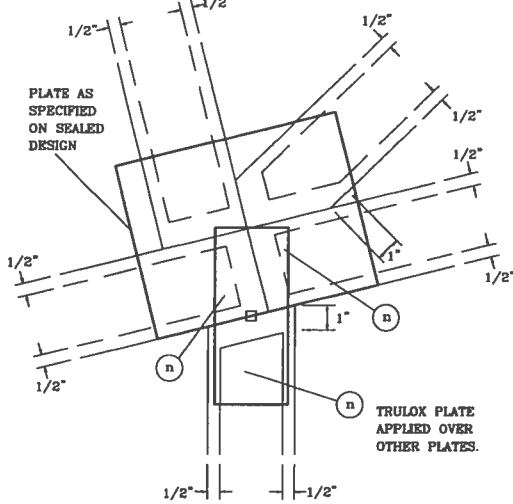


DO NOT APPLY NAILS WITHIN 1/2" OF LUMBER EDGES OR 1" OF LUMBER ENDS ON EACH FACE, AS SHOWN BY DASHED LINES.
NAILS MUST NOT SPLIT LUMBER.

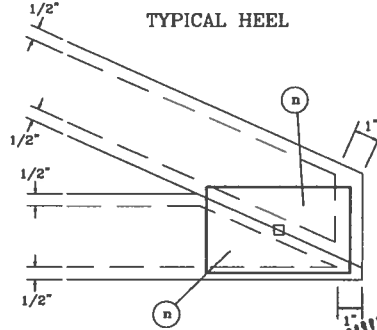
TYPICAL PANEL POINT WITHOUT SPLICE



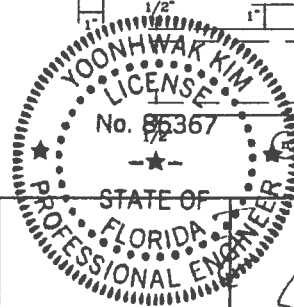
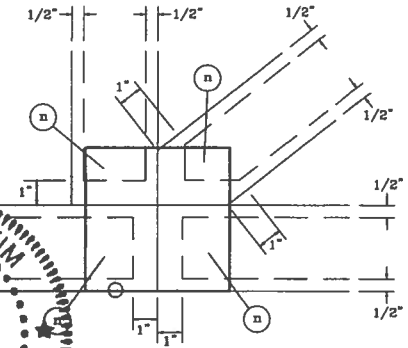
TYPICAL FILLER



TYPICAL HEEL



TYPICAL PANEL POINT SPLICE



NOTES:
(n) IS THE REQUIRED NUMBER OF 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY AS SPECIFIED ON THE SEALED DESIGN REFERENCING THIS DETAIL.
○ LOCATES PLATE CORNER OR PLUSH EDGE.
□ LOCATES PLATE CENTER.



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TRULOX PLATING

160
TL

PAGE 1 OF 1

DATE 10/01/14

10/25/2014
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