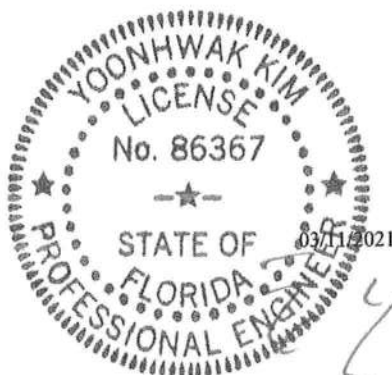


(73)



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6750 Forum Drive, Suite 305
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Phone: (800)755-6001
www.alpineitw.com



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

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Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 21-5333
Job Description: Dermott Plans	
Address: FL	

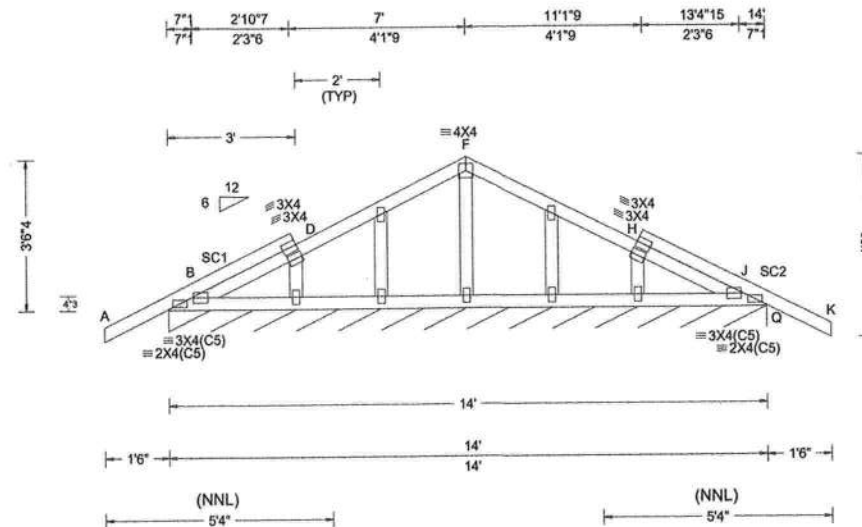
Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res	IntelliVIEW Version: 20.01.01A JRef #: 1X3M2150002
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00
Building Type: Closed	

This package contains general notes pages, 12 truss drawing(s) and 2 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	070.21.1110.56427	A01	2	070.21.1110.58097	A02
3	070.21.1111.00010	A03	4	070.21.1111.04400	B01
5	070.21.1111.06570	B02	6	070.21.1111.08703	B03
7	070.21.1111.12767	B04	8	070.21.1111.15140	C01
9	070.21.1111.17323	C02	10	070.21.1111.19390	C03
11	070.21.1111.22110	C04	12	070.21.1111.26693	C05
13	A14015ENC160118		14	GBLLETIN0118	



SEQN: 616107 FROM: CDM	GABL	Ply: 1 Qty: 1	Job Number: 21-5333 Dermott Plans Truss Label: A01	Cust: R 215 JRef: 1X3M2150002 T2 DrwNo: 070.21.1110.56427 / YK 03/11/2021
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Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00		Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00		Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 P 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00		Enclosure: Closed	Lr: NA Cs: NA	VERT(CL): 0.001 P 999 180	Q* 97 /- /- /49 /- /3
BCDL: 10.00		Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 I - -	Wind reactions based on MWFRS
		EXP: C Kzt: NA		HORZ(TL): 0.000 I - -	Q Brg Width = 168 Min Req = -
Des Ld: 40.00		Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Bearing B is a rigid surface.
NCBCLL: 10.00		TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.229	Members not listed have forces less than 375#
Soffit: 2.00		BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.036	
Load Duration: 1.25		MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.038	
Spacing: 24.0 "		C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		
		Loc. from endwall: Any	Plate Type(s):		
		GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.11	
		Wind Duration: 1.60			

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.

Wind

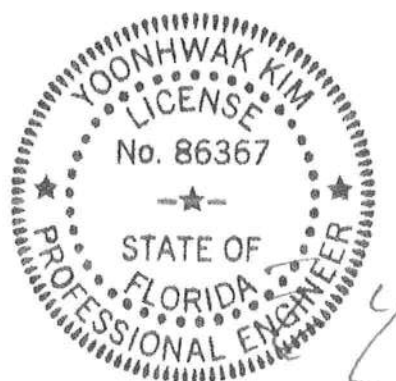
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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

The overall height of this truss excluding overhang is 3-6-4.



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03/11/2021

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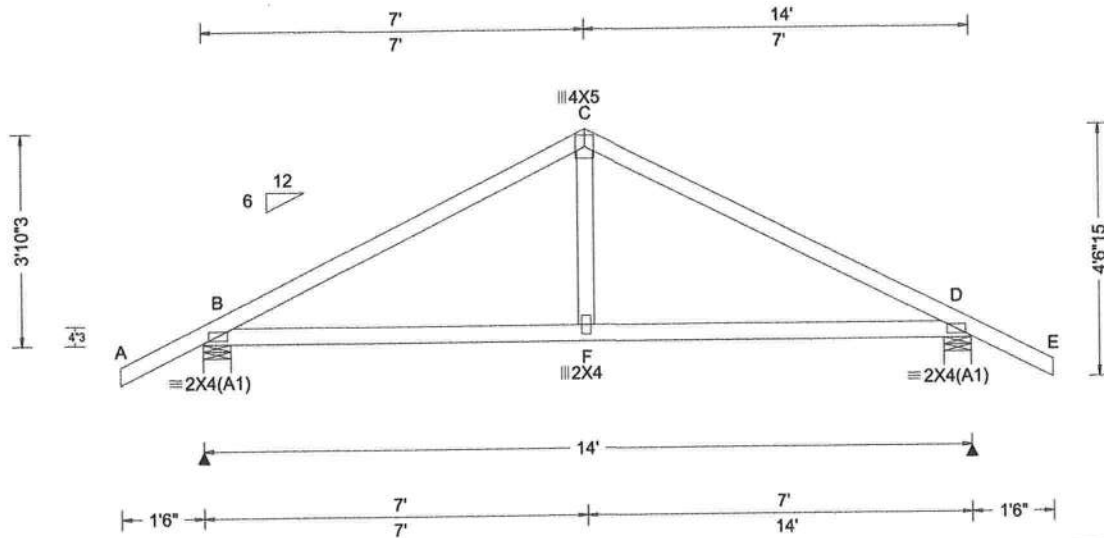
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SEQN: 616109 FROM: CDM	COMN	Ply: 1 Qty: 2	Job Number: 21-5333 Dermott Plans Truss Label: A02	Cust: R 215 JRef: 1X3M2150002 T1 DrwNo: 070.21.1110.58097 / YK 03/11/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.012 F 999 240 VERT(CL): 0.025 F 999 180 HORZ(LL): 0.006 F - - HORZ(TL): 0.012 F - - Creep Factor: 2.0 Max TC CSI: 0.476 Max BC CSI: 0.515 Max Web CSI: 0.118 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 677 /- /- /419 /123 /128 D 677 /- /- /419 /123 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 D Brg Width = 6.0 Min Req = 1.5 Bearings B & D are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 436 - 779 C - D 436 - 779 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - F 622 - 198 F - D 622 - 198

Lumber

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

Wind

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

Additional Notes

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



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03/11/2021

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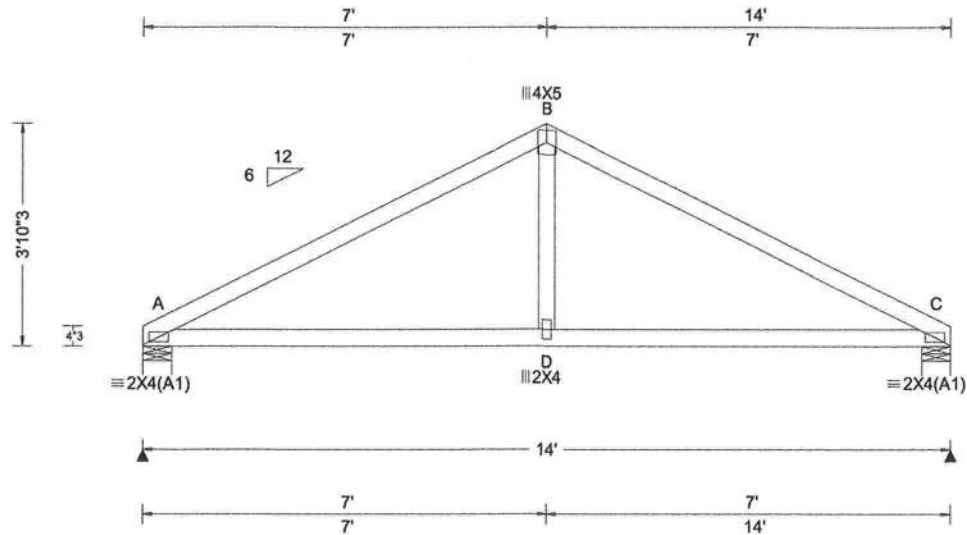
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Orlando FL, 32821

SEQN: 616146 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 21-5333 Dermott Plans Truss Label: A03	Cust: R 215 JRef: 1X3M2150002 T3 DrwNo: 070.21.1111.00010 / YK 03/11/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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 Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.012 D 999 240 VERT(CL): 0.025 D 999 180 HORZ(LL): 0.008 D - - HORZ(TL): 0.016 D - - Creep Factor: 2.0 Max TC CSI: 0.512 Max BC CSI: 0.536 Max Web CSI: 0.121 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 577 /- /- /332 /97 /90 C 577 /- /- /332 /97 /- Wind reactions based on MWFRS A Brg Width = 6.0 Min Req = 1.5 C Brg Width = 6.0 Min Req = 1.5 Bearings A & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 361 -815 B - C 360 -815 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - D 659 -222 D - C 659 -222

Lumber

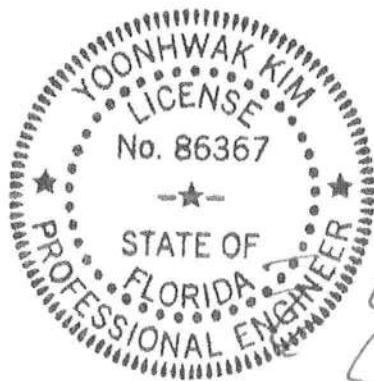
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 3'-10-3/4".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/11/2021

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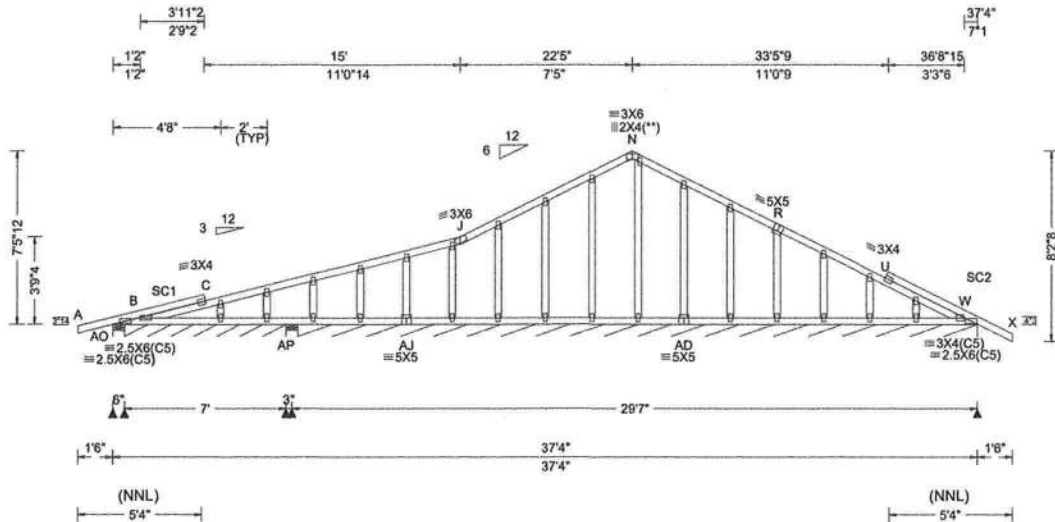
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Suite 305
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SEQN: 616112 FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 21-5333 Dermott Plans Truss Label: B01	Cust: R 215 JRef: 1X3M2150002 T4 DrwNo: 070.21.1111.04400 / YK 03/11/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.004 AN 999 240							
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.012 AN 999 180	AO 307	/-	/-	/166	/24	/125	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 M - -	B* 56	/-	/-	/30	/-	/-	
	EXP: C Kzt: NA		HORZ(TL): 0.002 M - -	AP 34	/-	/-	/18	/-	/-	
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	W* 86	/-	/-	/46	/-	/-	
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.275	Wind reactions based on MWFRS						
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.106	AO Brg Width = 6.0			Min Req = 1.5			
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.128	B Brg Width = 84.0			Min Req = -			
Spacing: 24.0 "	C&C Dist a: 3.73 ft	Rep Fac: Yes		AP Brg Width = 6.0			Min Req = 1.5			
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		W Brg Width = 352			Min Req = -			
	GCpi: 0.18	Plate Type(s):		Bearings AO, B, AP, & AP are a rigid surface.						
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	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.

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

Loading

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

Wind

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

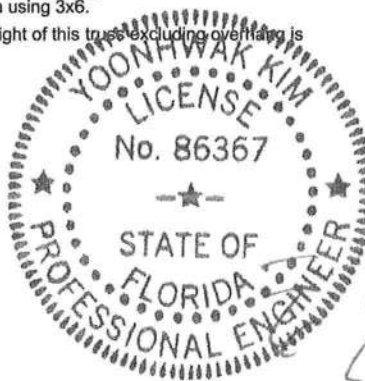
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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

The overall height of this truss excluding overhang is 7'-5-12".



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03/11/2021

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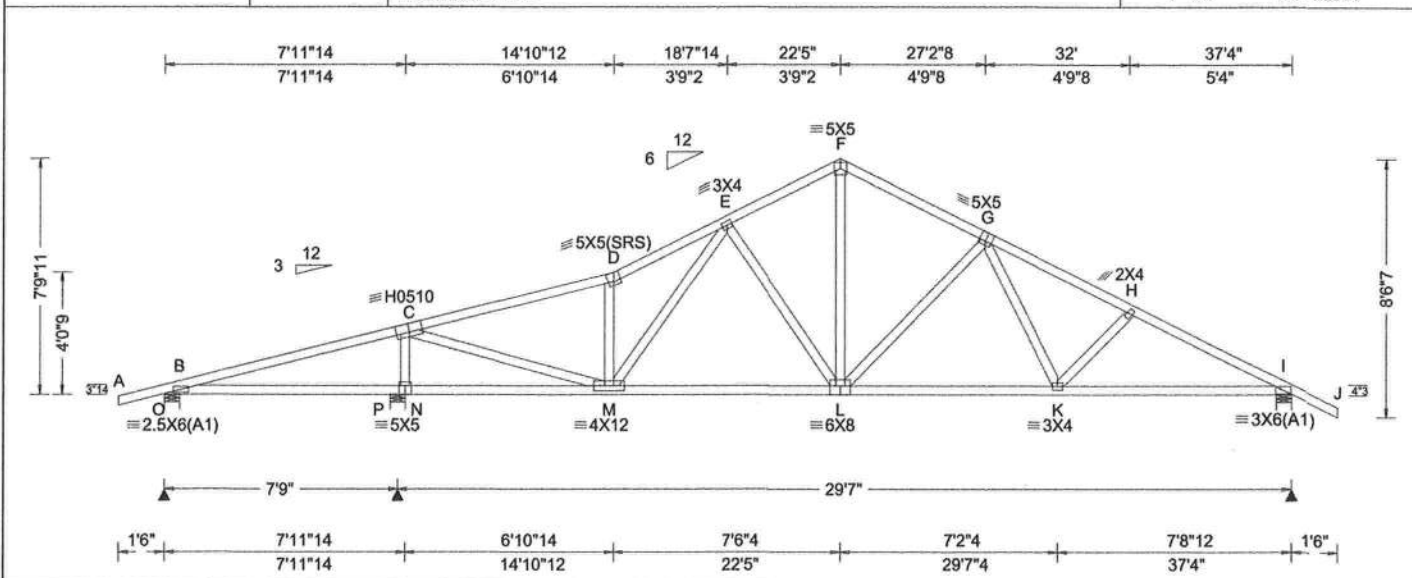
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SEQN: 616115 FROM: CDM	COMN Ply: 1 Qty: 5	Job Number: 21-5333 Dermott Plans Truss Label: B02	Cust: R 215 JRef: 1X3M2150002 T6 DrwNo: 070.21.1111.06570 / YK 03/11/2021
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL: 20.00		Wind Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity				Non-Gravity		
TCDL: 10.00		Speed: 130 mph		Pf: NA Ce: NA		VERT(LL): 0.094 L 999 240		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.186 L 999 180		O	352	/-	/-	/134	/89	/212
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.025 K - -		P	1756	/-	/-	/900	/302	/-
Des Ld: 40.00		EXP: C Kzt: NA		Building Code:		HORZ(TL): 0.048 K - -		I	1304	/-	/-	/791	/227	/-
NCBCLL: 10.00		Mean Height: 15.00 ft		FBC 7th Ed. 2020 Res.		Creep Factor: 2.0		Wind reactions based on MWFRS						
Soffit: 2.00		TCDL: 5.0 psf		TPI Std: 2014		Max TC CSI: 0.986		O	Brg Width = 6.0		Min Req = 1.5			
Load Duration: 1.25		BCDL: 5.0 psf		Rep Fac: Yes		Max BC CSI: 0.721		P	Brg Width = 6.0		Min Req = 2.1			
Spacing: 24.0 "		MWFRS Parallel Dist: 0 to h/2		FT/RT:20(0)/10(0)		Max Web CSI: 0.778		I	Brg Width = 6.0		Min Req = 1.5			
		C&C Dist a: 3.73 ft		Plate Type(s):		VIEW Ver: 20.01.01A.0724.11		Bearings O, P, & I are a rigid surface.						
		Loc. from endwall: Any		WAVE, HS				Members not listed have forces less than 375#						
		GCpi: 0.18						Maximum Top Chord Forces Per Ply (lbs)						
		Wind Duration: 1.60						Chords	Tens.Comp.	Chords	Tens. Comp.			

Lumber		Top chord: 2x4 SP #2;		B-C		517 -174		F-G		673 -1378	
Bot chord: 2x4 SP #2;		C-D		680 -1659		G-H		823 -1942			
Webs: 2x4 SP #3;		D-E		881 -1833		H-I		861 -2150			
		E-F		704 -1357							

Loading		Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.		Maximum Bot Chord Forces Per Ply (lbs)		Chords		Tens.Comp.		Chords		Tens. Comp.	
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Wind		Wind loads based on MWFRS with additional C&C member design.		B-N		269 -472		L-K		1532 -457	
Wind loading based on both gable and hip roof types.		N-M		234 -393		K-I		1860 -645			
		M-L		1378 -344							

Additional Notes		The overall height of this truss excluding overhang is 7-9-11.		Maximum Web Forces Per Ply (lbs)		Webs		Tens.Comp.		Webs		Tens. Comp.	
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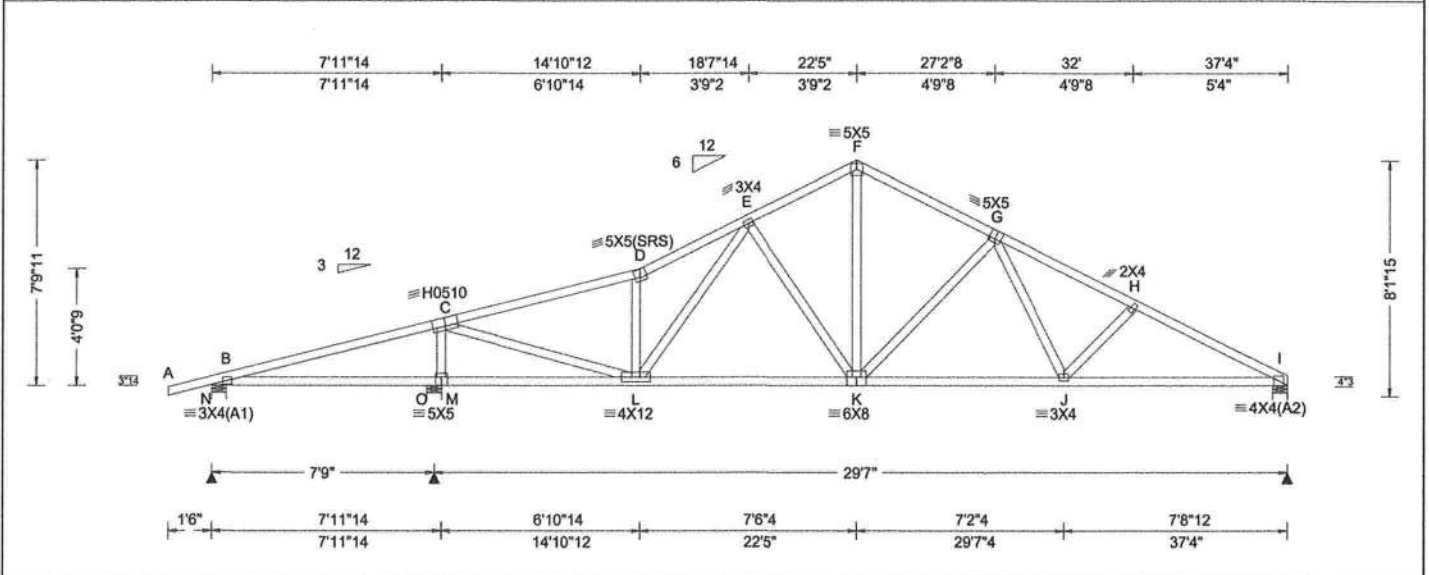
N-C		713 -1571		F-L		895 -384					
C-M		2041 -711		L-G		353 -523					
M-D		499 -728		G-K		410 -94					



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/11/2021

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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: 3.73 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.094 K 999 240 VERT(CL): 0.186 K 999 180 HORZ(LL): 0.025 J - - HORZ(TL): 0.048 J - - Creep Factor: 2.0 Max TC CSI: 0.985 Max BC CSI: 0.733 Max Web CSI: 0.780 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL N 353 /- /- /136 /87 /187 O 1759 /- /- /898 /307 /- I 1200 /- /- /704 /199 /- Wind reactions based on MWFRS N Brg Width = 6.0 Min Req = 1.5 O Brg Width = 6.0 Min Req = 2.1 I Brg Width = 6.0 Min Req = 1.5 Bearings N, O, & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 516 -127 F - G 409 -1384 C - D 413 -1666 G - H 485 -1967 D - E 551 -1840 H - I 508 -2179 E - F 415 -1363
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Loading Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.	Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. M - C 526 -1573 F - K 899 -226 C - L 2046 -407 K - G 215 -532 L - D 331 -730 G - J 418 -56
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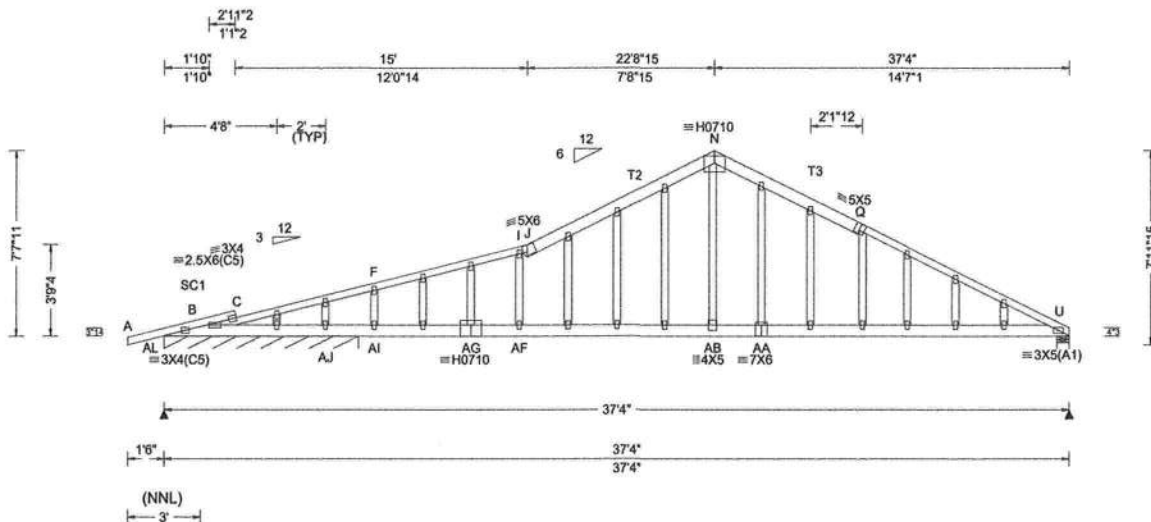
Wind Wind loads based on MWFRS with additional C&C member design. Wind loading based on both gable and hip roof types.	
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Additional Notes The overall height of this truss excluding overhang is 7'-9"-11'.	
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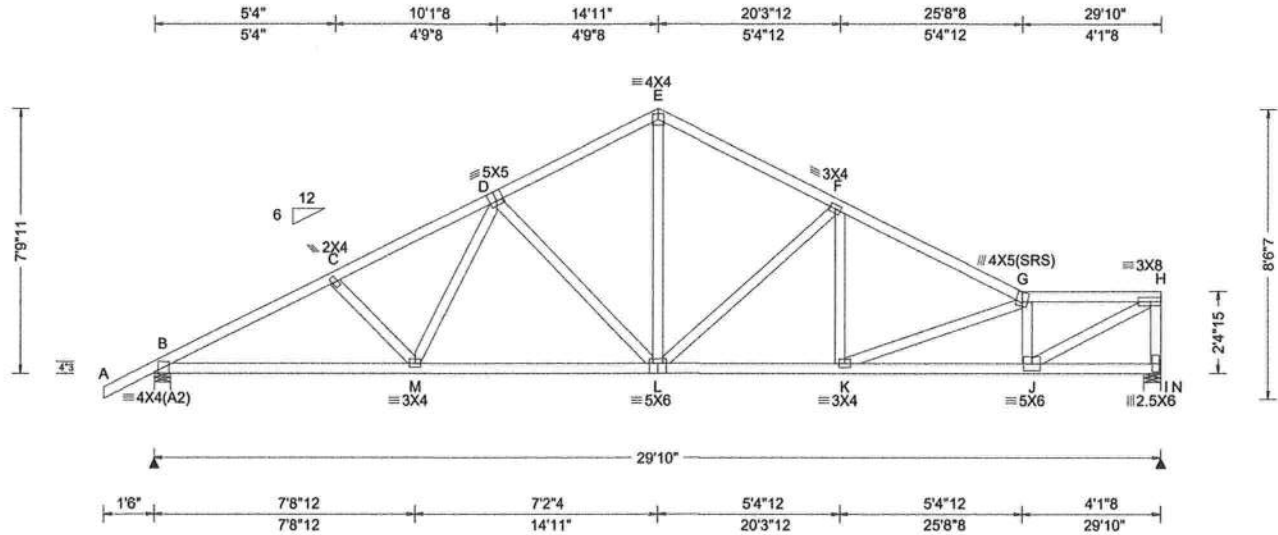


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/11/2021

SEQN: 616144 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 21-5333 Dermott Plans Truss Label: B04	Cust: R 215 JRef: 1X3M2150002 T9 DrwNo: 070.21.1111.12767 / YK 03/11/2021
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SEQN: 616121 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 21-5333 Dermott Plans Truss Label: C01	Cust: R 215 JRef: 1X3M2150002 T15 DrwNo: 070.21.1111.15140 / YK 03/11/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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 Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.104 L 999 240 VERT(CL): 0.212 L 999 180 HORZ(LL): 0.037 I - - HORZ(TL): 0.076 I - - Creep Factor: 2.0 Max TC CSI: 0.345 Max BC CSI: 0.772 Max Web CSI: 0.846 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1338 /- /- /799 /36 /206 N 1219 /- /- /651 /43 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.6 N Brg Width = 6.0 Min Req = 1.5 Bearings B & N are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 500 -2228 E - F 442 -1452 C - D 483 -2021 F - G 501 -1957 D - E 441 -1442 G - H 537 -1956 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - M 1929 -480 L - K 1676 -386 M - L 1595 -370 K - J 2092 -585 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. M - D 419 -29 K - G 227 -434 D - L 196 -529 G - J 354 -996 E - L 921 -225 J - H 2221 -606 L - F 224 -605 H - I 395 -1181

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 7-9-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/11/2021

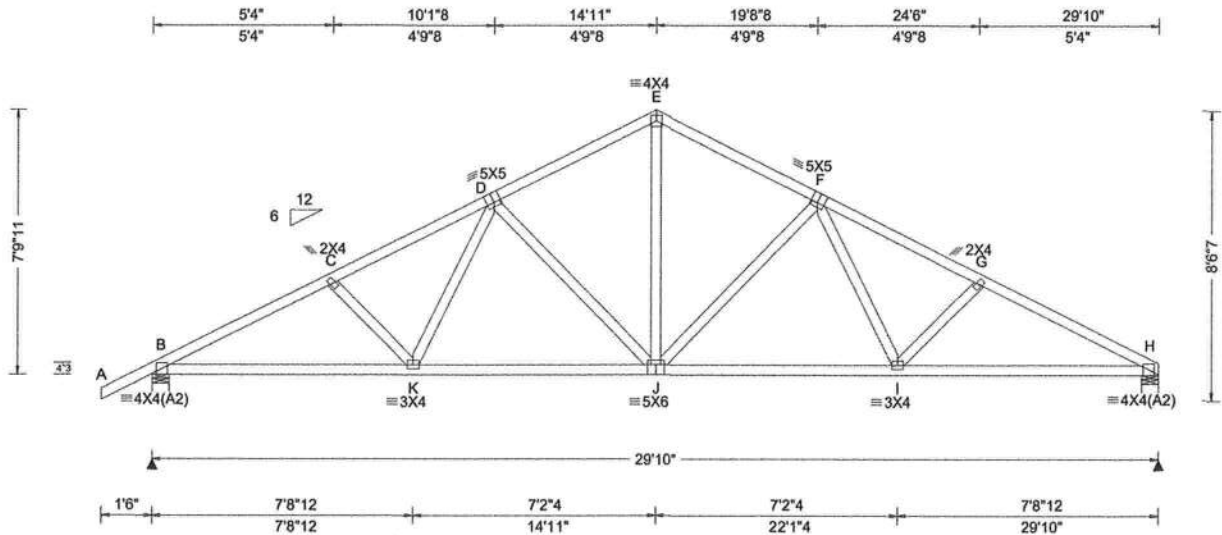
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

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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 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	GravityNon-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.099 J 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.202 J 999 180	B 1332 -/- /792 /31 /216
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.041 I - -	H 1226 -/- /708 /20 -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.083 I - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B Brg Width = 6.0 Min Req = 1.6
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.298	H Brg Width = 6.0 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.762	Bearings B & H are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.506	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.11	B - C 485 -2214 E - F 426 -1430
	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.
 Wind loading based on both gable and hip roof types.

Additional Notes
 The overall height of this truss excluding overhang is 7-9-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367
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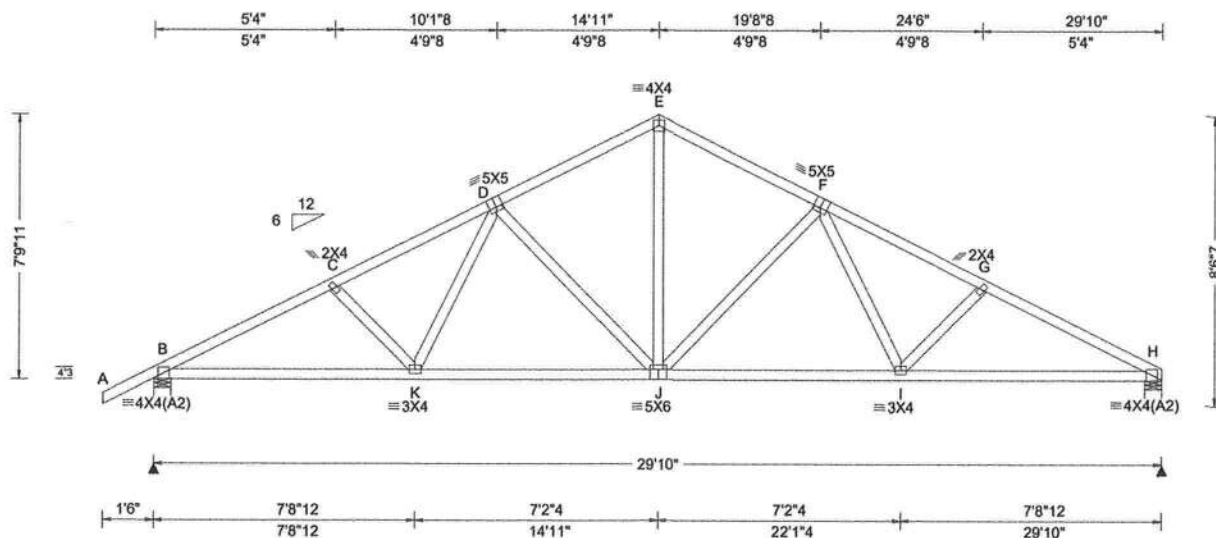
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SEQN: 616135 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 21-5333 Dermott Plans Truss Label: C03	Cust: R 215 JRef: 1X3M2150002 T13 DrwNo: 070.21.1111.19390 / YK 03/11/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-16 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 Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.099 J 999 240 VERT(CL): 0.202 J 999 180 HORZ(LL): 0.041 I - - HORZ(TL): 0.083 I - - Creep Factor: 2.0 Max TC CSI: 0.298 Max BC CSI: 0.762 Max Web CSI: 0.506 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1332 /- /- /792 /31 /216 H 1226 /- /- /708 /20 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.6 H Brg Width = 6.0 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens. Comp. Chords Tens. Comp. B - C 485 -2214 E - F 426 -1430 C - D 469 -2007 F - G 489 -2025 D - E 424 -1431 G - H 509 -2237

Lumber

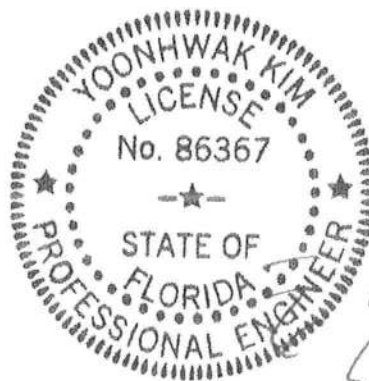
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 7'-9"-11".



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03/11/2021

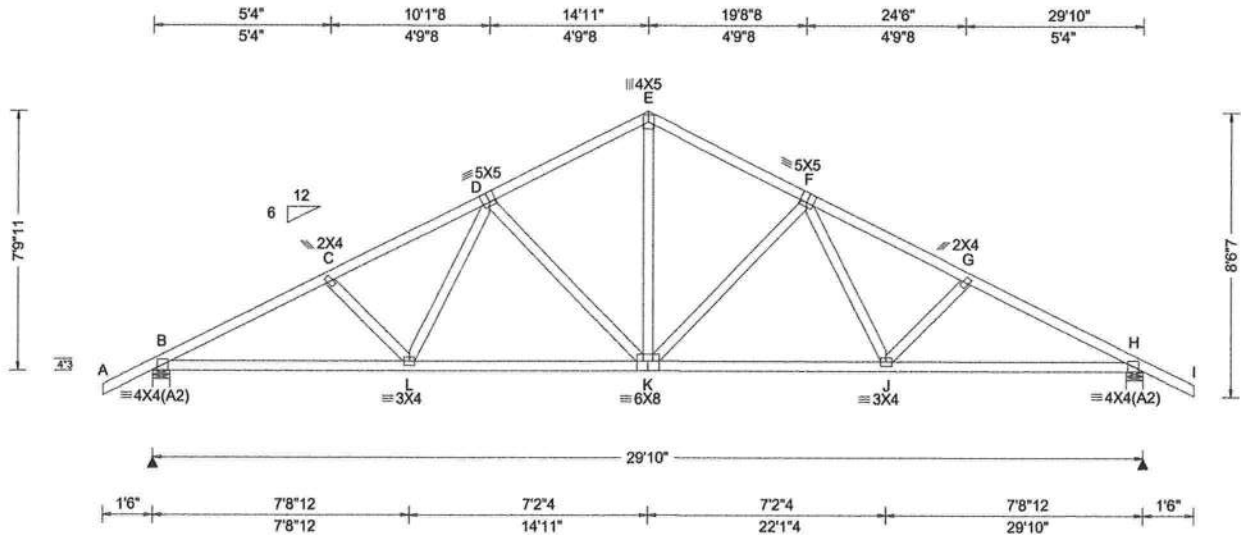
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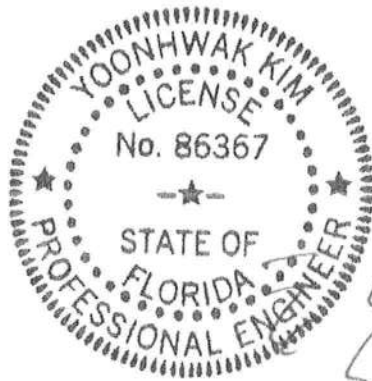


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	GravityNon-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.100 K 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.203 K 999 180	B 1329 -/- - /792 /236 /230
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.041 J - -	H 1329 -/- - /792 /236 -/
	EXP: C Kzt: NA		HORZ(TL): 0.083 J - -	Wind reactions based on MWFRS
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B Brg Width = 6.0 Min Req ≈ 1.6
NCBCLL: 10.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.297	H Brg Width = 6.0 Min Req ≈ 1.6
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.751	Bearings B & H are a rigid surface.
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.497	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: 20.01.01A.0724.11	B - C 913 -2208 E - F 737 -1424
	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.
 Wind loading based on both gable and hip roof types.

Additional Notes
 The overall height of this truss excluding overhang is 7'-9"-11".



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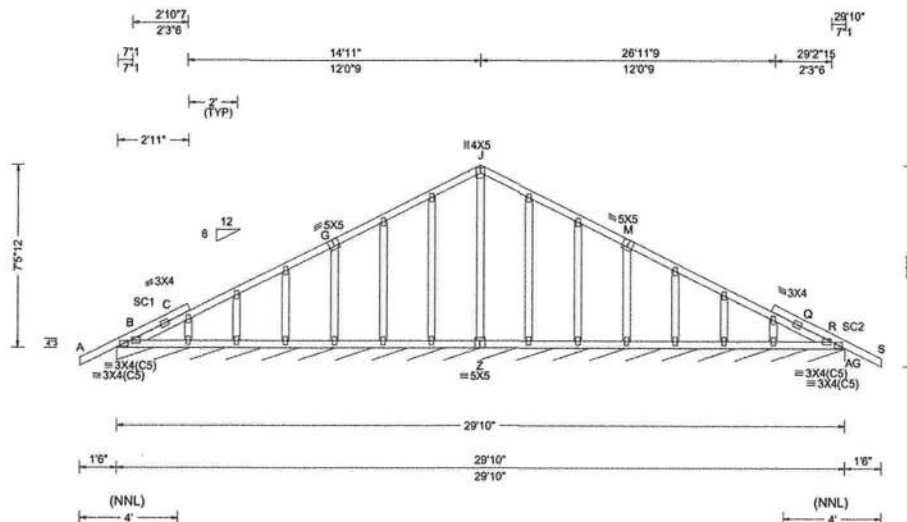
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SEQN: 616138 FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 21-5333 Dermott Plans Truss Label: C05	Cust: R 215 JRef: 1X3M2150002 T12 DrwNo: 070.21.1111.26693 / YK 03/11/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 K 999 240 VERT(CL): 0.002 K 999 180 HORZ(LL): -0.000 D - - HORZ(TL): 0.000 D - - Creep Factor: 2.0 Max TC CSI: 0.177 Max BC CSI: 0.038 Max Web CSI: 0.106 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL AG*89 /- /- /45 /- /1 Wind reactions based on MWFRS AG Brg Width = 358 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Wind

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

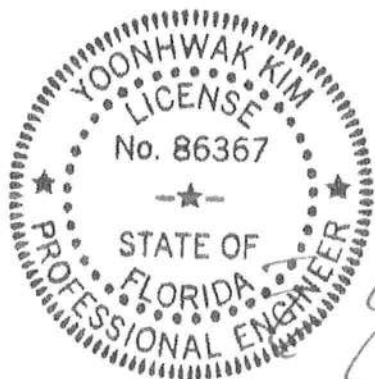
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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

The overall height of this truss excluding overhang is 7'-5-12.



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03/11/2021

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

Bracing Group Species and Grades:			
Group A:			
Spruce-Pine-Fir		Hem-Fir	
#1 / #2	Standard	#2	Standard
#3	Standard	#3	Standard
Douglas Fir-Larch		Southern Pine	
#3	Standard	#3	Standard
	Standard	Standard	Standard
Group B:			
Hem-Fir		Southern Pine	
#1 & Btr		#1	Standard
	#1	#2	Standard
Douglas Fir-Larch		Southern Pine	
#1	Standard	#1	Standard
#2	Standard	#2	Standard

1x4 Braces shall be SRB (Stress-Rated Board).

For 1x4 So. Pine use only Industrial S5 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 plf over

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

Attach 'L' braces with 10d (0.128"x3.0" min) nails.

** For (1) "L" brace: space nails at 2' o.c.

In 18' end zones and 4' o.c. between zones.

✳✳ For (2) 'L' braces, space nails at 3' o.c. In 18" end zones and 6' o.c. between zones.

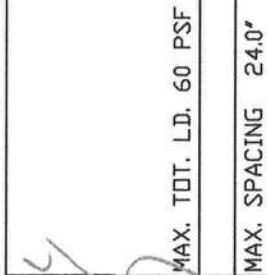
"L" bracing must be a minimum of 80% of web member length.

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, saddle, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.

REF	ASCE7-16-GAB14015
DATE	01/26/2018
DRWG	A14015ENC160118



FLORIDA PROFESSIONAL ENGINEERING

=IMPORTANT= READ AND FURNISH ALL NOTES ON THIS DRAWING TO THE INSTALLERS.

A reader extreme care in fabrication, handling, shipping, installing and bracing. Refer to and latest edition of ECSS Guiding Component Safety Information, by TPI and SBCO for safety instructions prior to performing these functions. Installers shall provide temporary bracing per ECSS. It is the responsibility of the installer to ensure that all components are properly attached and bottom chord is a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs are as applicable. Supply plates to each face of column above and on the joint. See drawings 160A-Z for standard plate positions.

This drawing is the property of ITV Building Components Group Inc. shall not be responsible for any deviation from the drawings. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, bracing or erection of the truss.

The responsibility for the design shown on this page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The authority and use of this drawing for construction is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2

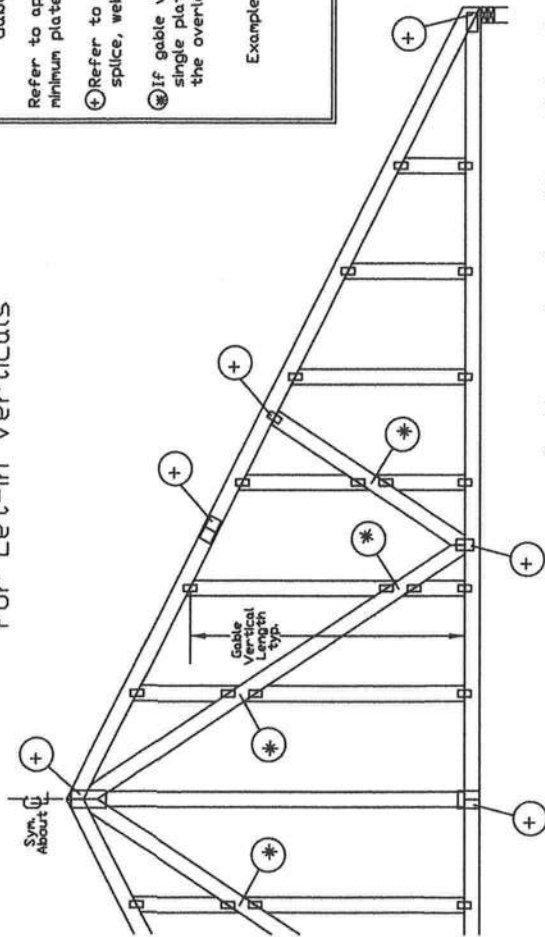
For more information see this job's general notes page and web site at www.tpi.com # 278
ALPINE@alpinehvac.com TPII www.tpiinc.org SBCO www.sbcosystems.com and ITC www.itcweb.com

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Gable Detail For Let-In Verticals

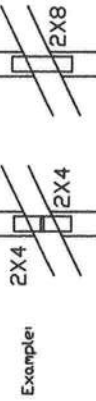


Gable Truss Plate Sizes

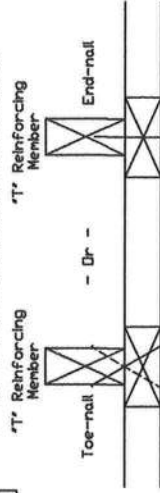
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

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

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



'T' Reinforcement Attachment Detail



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.	'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, A11015051014, A10015051014, A14015051014,

A13030051014, A12030051014, A10030051014, A14030051014

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

A11515ENC100118, A12015ENC100118, A14015ENC100118, A10015ENC100118,

A18015ENC100118, A20015ENC100118, A20015ENC100118, A20015ENC100118,

A11530ENC100118, A12030ENC100118, A14030ENC100118, A10030ENC100118,

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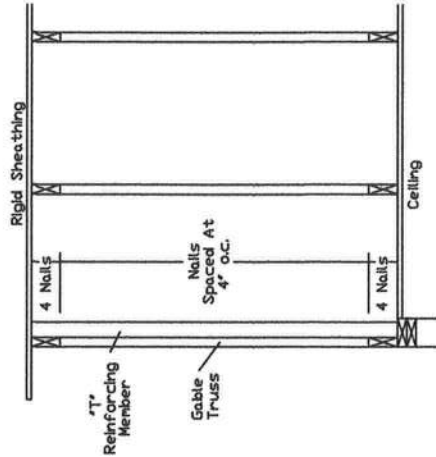
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S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118,

S18030ENC100118, S20030ENC100118, S20030ENC100118, S20030ENC100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical length.



IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow latest edition of 2015 Building Component Safety Information, by TPI and SBCA for safety practices. Trusses shall be installed in accordance with the manufacturer's instructions. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCS sections 83, 87 or 810, 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 1604-2 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 install the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, or bracing of the truss, shall be the responsibility of the installer. 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: www.alpinehwy.com, www.tpi.org, www.sbcasafety.org, www.alpinehwy.com, www.tpi.org, www.sbcasafety.org

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REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETIN0118

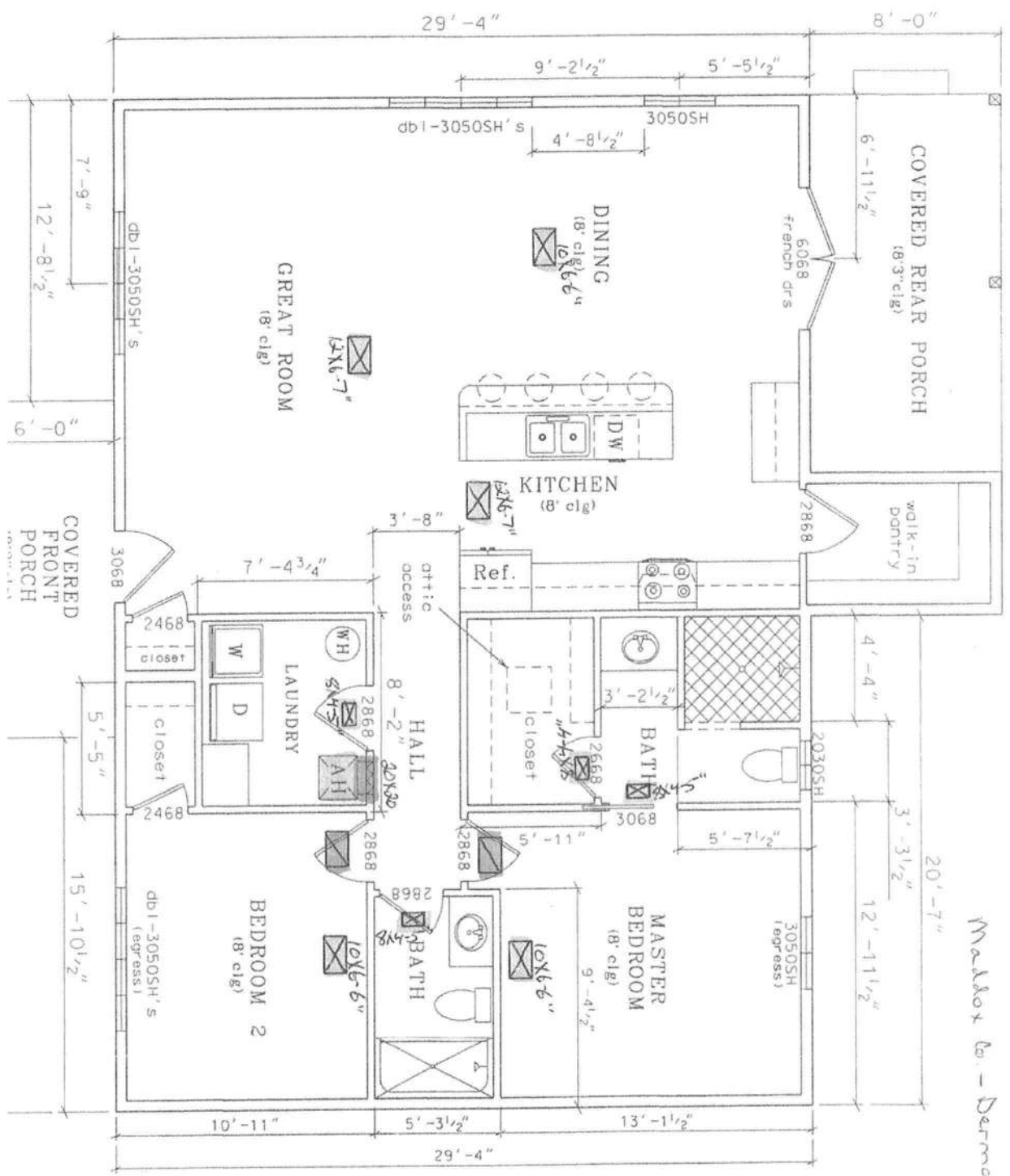
MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0'

Yoonhwak Kim, FL PE #86367





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