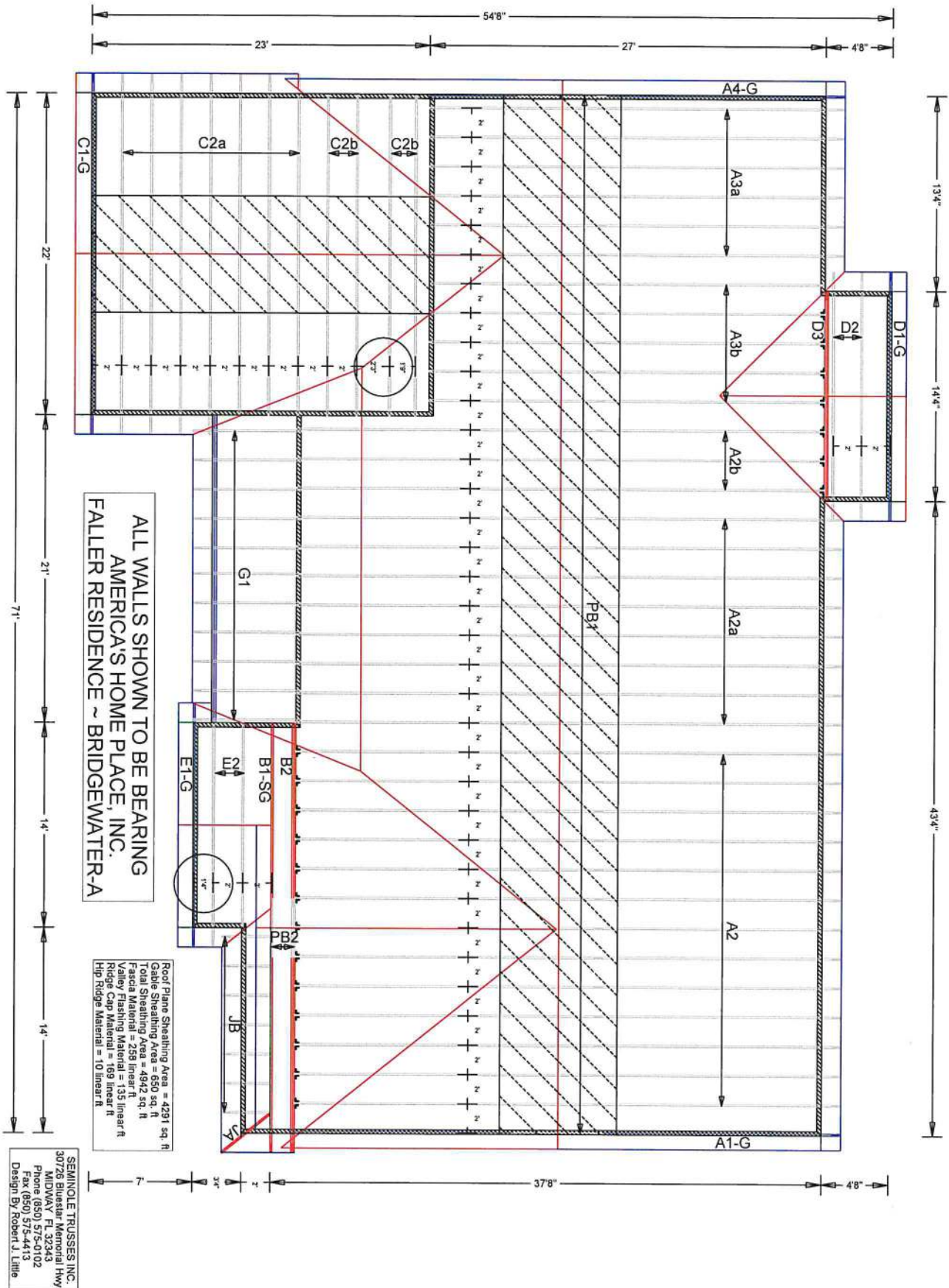




Job Name: FALLER RESIDENCE
Customer: America's Home Place
Designer: ROBERT J. LITTLE
PlanName: BRIDGEWATER-A
Created : 11-02-2021
SemRef# : Z31880

JOB NO:

Z31880

PAGE NO:

4 of 4



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

Alpine, an ITW Company
6750 Forum Drive, Suite 305
Orlando, FL 32821
Phone: (800)755-6001
www.alpineitw.com

Site Information:	Page 1:
Customer: Seminole Trusses, Inc.	Job Number: Z31880
Job Description: FALLER RESIDENCE	
Address: 478 NW MILO TERR., LAKE CITY, FL 32055	

Job Engineering Criteria:	
Design Code: FBC 6th ed 2017(Needs permit prior to 1/1/21)	IntelliVIEW Version: 18.02.01A through 20.02.00A JRef #: 1Xa58570001
Wind Standard: ASCE 7-10 Wind Speed (mph): 130	Design Loading (psf): 37.00
Building Type: Closed	

This package contains general notes pages, 22 truss drawing(s) and 7 detail(s).

Item	Drawing Number	Truss
1	305.21.1319.31253	A1-G 36' Gable
3	305.21.1320.15727	A2a 36' Common
5	305.21.1320.21280	A3a 27' Common
7	305.21.1320.29400	A4-G 27' Gable
9	305.21.1320.49310	B2 28' Common Girder
11	305.21.1320.55560	C2a 22' Common
13	305.21.1321.01987	D1-G 14'4" Gable
15	305.21.1321.14763	D3 14'4" Common Girder
17	305.21.1321.20450	E2 14' Common
19	305.21.1224.39727	PB1 6' Common
21	305.21.1321.28550	JA 2'0"10 Hip Jack Girder
23	A14015ENC101014	
25	CNNAILSP1014	
27	PB160160118	
29	REPCHRD1014	

Item	Drawing Number	Truss
2	305.21.1320.12773	A2 36' Common
4	305.21.1320.18690	A2b 36' Common
6	305.21.1320.24723	A3b 27' Common
8	305.21.1320.43530	B1-SG 28' Common Girder
10	305.21.1320.53587	C1-G 22' Gable
12	305.21.1320.57753	C2b 22' Common
14	305.21.1321.04240	D2 14'4" Common
16	305.21.1321.18000	E1-G 14' Gable
18	305.21.1321.25223	G1 6'0"8 Mono
20	305.21.1224.39728	PB2 4' Common
22	305.21.1321.34803	JB 2' End Jack
24	A14030ENC101014	
26	GBLLETIN0118	
28	PB180160118	

General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AWC. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

Temporary Lateral Restraint and Bracing:

Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

Permanent Lateral Restraint and Bracing:

The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed and detailed by the Building Designer.

Connector Plate Information:

Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at www.icc-es.org.

Fire Retardant Treated Lumber:

Fire retardant treated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.

General Notes (continued)

Key to Terms:

Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.

BCLL = Bottom Chord standard design Live Load in pounds per square foot.

CL = Certified lumber.

Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

FRT = Fire Retardant Treated lumber.

FRT-DB = D-Blaze Fire Retardant Treated lumber.

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.

g = green lumber.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

Ic = Incised lumber.

FJ = Finger Jointed lumber.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.

Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.

Max Web CSI = Maximum bending and axial Combined Stress Index for Webs for of all load cases.

NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.

PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.

PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds

PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.

PP = Panel Point.

R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).

Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).

TCDL = Top Chord standard design Dead Load in pounds per square foot.

TCLL = Top Chord standard design Live Load in pounds per square foot.

U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.

VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.

VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.

W = Width of non-hanger bearing, in inches.

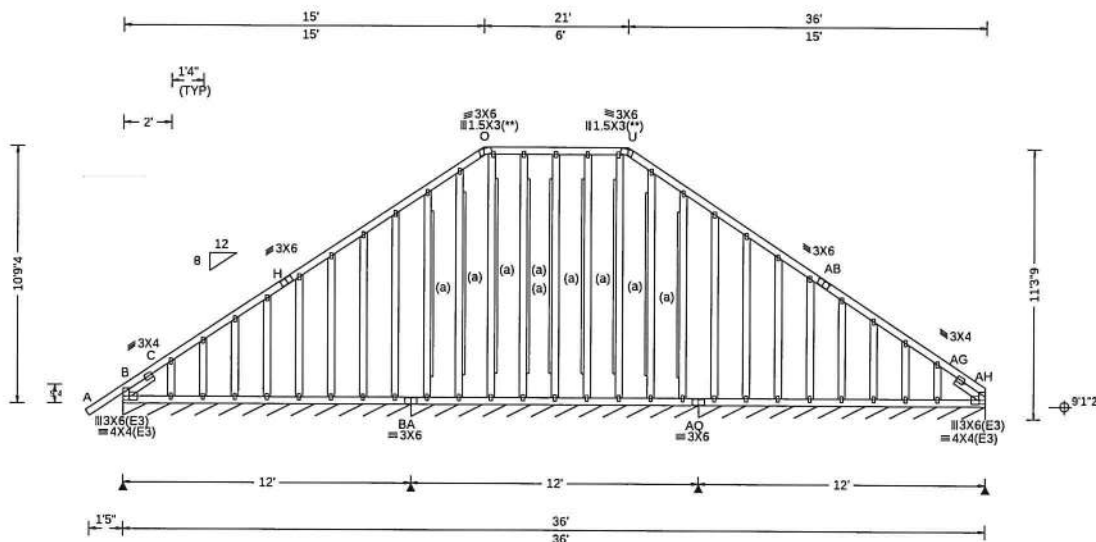
Refer to ASCE-7 for Wind and Seismic abbreviations.

Uppercase Acronyms not explained above are as defined in TPI 1.

References:

1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; www.alpineitw.com.
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcacomponents.com.

SEQN: 85836 FROM: RJL	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: Z31880 FALLER RESIDENCE Truss Label: A1-G 36' Gable	Cust: R 857 JRef: 1Xa58570001 T15 DrwNo: 305.21.1319.31253 / YK 11/01/2021
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.60 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 O 999 360 VERT(CL): 0.003 O 999 240 HORZ(LL): 0.003 W - - HORZ(TL): 0.005 W - - Creep Factor: 2.0 Max TC CSI: 0.128 Max BC CSI: 0.027 Max Web CSI: 0.095 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 107 /- /- /55 /13 /21 BA* 124 /- /- /40 /- /- AQ*98 /- /- /49 /10 /- Wind reactions based on MWFRS B Brg Wid = 144 Min Req = - BA Brg Wid = 144 Min Req = - AQ Brg Wid = 144 Min Req = - Bearings B, BA, & AQ are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Bracing

(a) 1x4 #3SRB SPF-S or better "L" reinforcement.
80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 1.5X3 except as noted.

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

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Additional Notes

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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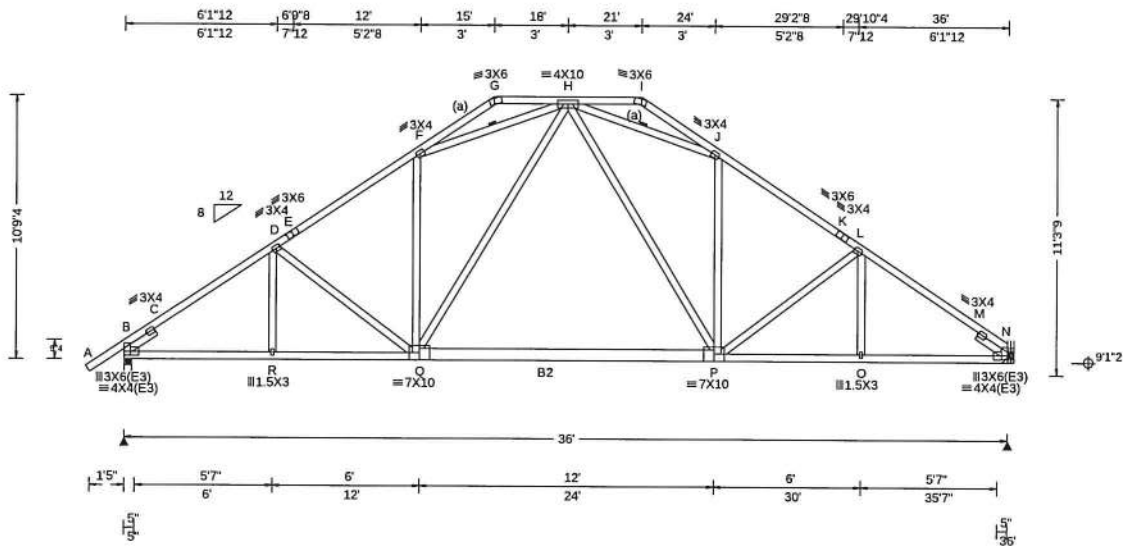
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org



6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 85873 FROM: RJL	COMN Ply: 1 Qty: 13	Job Number: Z31880 FALLER RESIDENCE Truss Label: A2 36' Common	Cust: R 857 JRef: 1Xa58570001 T8 DrwNo: 305.21.1320.12773 / YK 11/01/2021
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.60 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.088 Q 999 360 VERT(CL): 0.154 Q 999 240 HORZ(LL): 0.042 N - - HORZ(TL): 0.073 N - - Creep Factor: 2.0 Max TC CSI: 0.387 Max BC CSI: 0.865 Max Web CSI: 0.738 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1619 - / - /798 /82 /220 N 1530 - / - /734 /66 - Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.9 N Brg Wid = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 487 -2272 J - K 460 -1966 C - D 458 -2228 K - L 431 -1989 D - E 430 -1985 L - M 463 -2239 E - F 458 -1963 M - N 442 -2283 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - R 1774 -305 P - O 1786 -311 R - Q 1773 -305 O - N 1787 -310 Q - P 1355 -129 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. F - H 394 -1401 H - P 444 -106 Q - H 440 -104 H - J 394 -1401

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1; B2 2x6 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Hangers / Ties

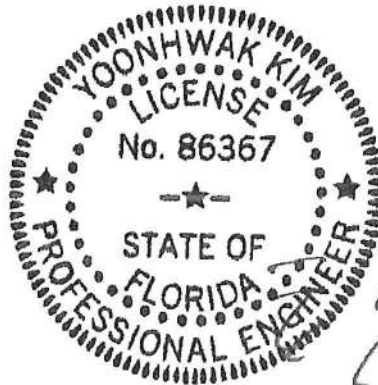
(J) Hanger Support Required, by others

Loading

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

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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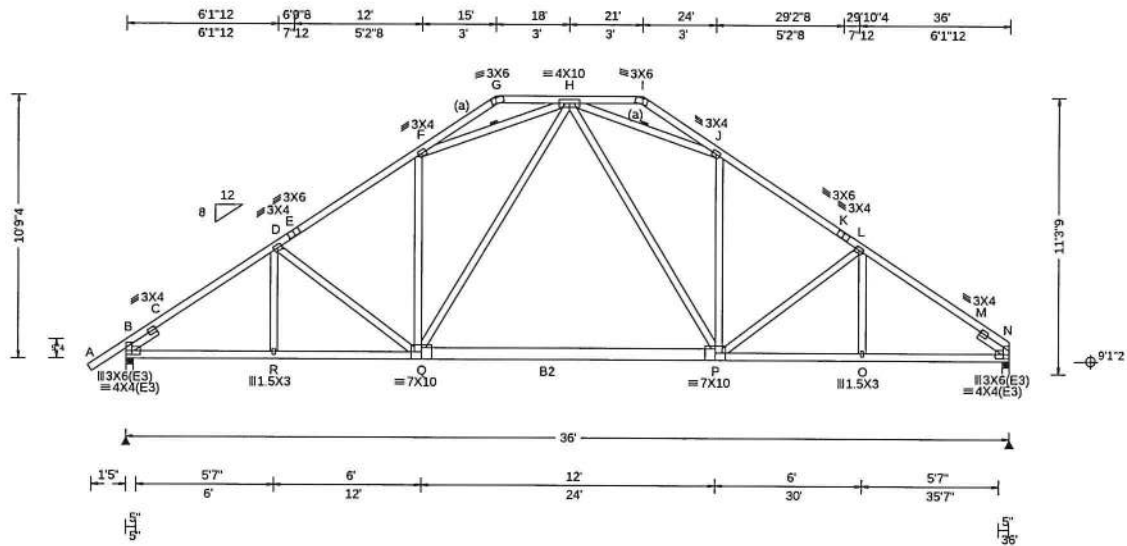
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 85875 FROM: RJL	COMN Ply: 1 Qty: 8	Job Number: Z31880 FALLER RESIDENCE Truss Label: A2a 36' Common	Cust: R 857 JRef: 1Xa58570001 T1 DrwNo: 305.21.1320.15727 / YK 11/01/2021
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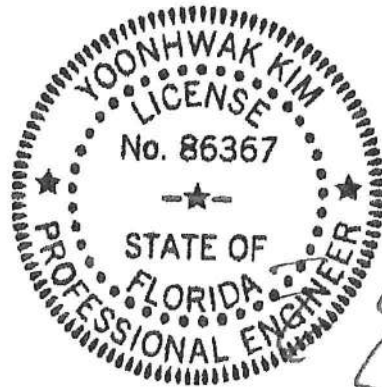
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.60 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.088 Q 999 360 VERT(CL): 0.154 Q 999 240 HORZ(LL): 0.042 N - - HORZ(TL): 0.073 N - - Creep Factor: 2.0 Max TC CSI: 0.387 Max BC CSI: 0.865 Max Web CSI: 0.738 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1619 /- /- /798 /82 /220 N 1530 /- /- /734 /66 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.9 N Brg Wid = 3.5 Min Req = 1.8 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 487 - 2272 J - K 460 - 1966 C - D 458 - 2228 K - L 431 - 1989 D - E 430 - 1985 L - M 463 - 2239 E - F 458 - 1963 M - N 442 - 2283

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1; B2 2x6 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Bracing
(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" oc.

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	1774 - 305	P - O	1786 - 311
R - Q	1773 - 305	O - N	1787 - 310
Q - P	1355 - 129		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
F - H	394 - 1401	H - P	444 - 106
Q - H	440 - 104	H - J	394 - 1401

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

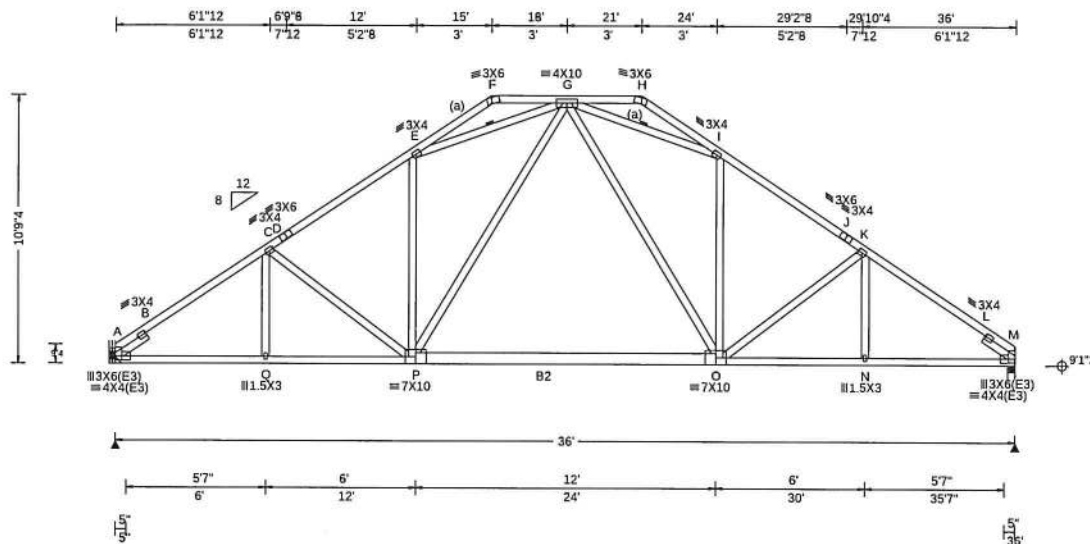
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org



6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)					
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity		
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.087 P 999 360	Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.153 P 999 240	A	1532	/- /-	/734	/66	/195
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.042 M - -	M	1532	/- /-	/734	/66	/-
Des Ld: 37.00	EXP: B Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.073 M - -	Wind reactions based on MWFRS					
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	A	Brg Wid = -		Min Req = -		
Soffit: 0.00	TCDL: 4.2 psf		Max TC CSI: 0.387	M	Brg Wid = 3.5				
Load Duration: 1.25	BCDL: 5.2 psf		Max BC CSI: 0.864	Bearing M is a rigid surface.					
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.739	Members not listed have forces less than 375#					
	C&C Dist a: 3.60 ft			Maximum Top Chord Forces Per Ply (lbs)					
	Loc. from endwall: Any			Chords		Tens.Comp.		Chords Tens. Comp.	
	GCpi: 0.18			A - B	443 - 2286	I - J	461	- 1969	
	Wind Duration: 1.60		VIEW Ver: 20.02.00A.1020.20						

Lumber
 Top chord: 2x4 SP #1;
 Bot chord: 2x4 SP #1; B2 2x6 SP #1;
 Webs: 2x4 SP #3;
 Lt Slider: 2x4 SP #3; block length = 1.500'
 Rt Slider: 2x4 SP #3; block length = 1.500'

Bracing
 (a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" oc.

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

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
 11/01/2021

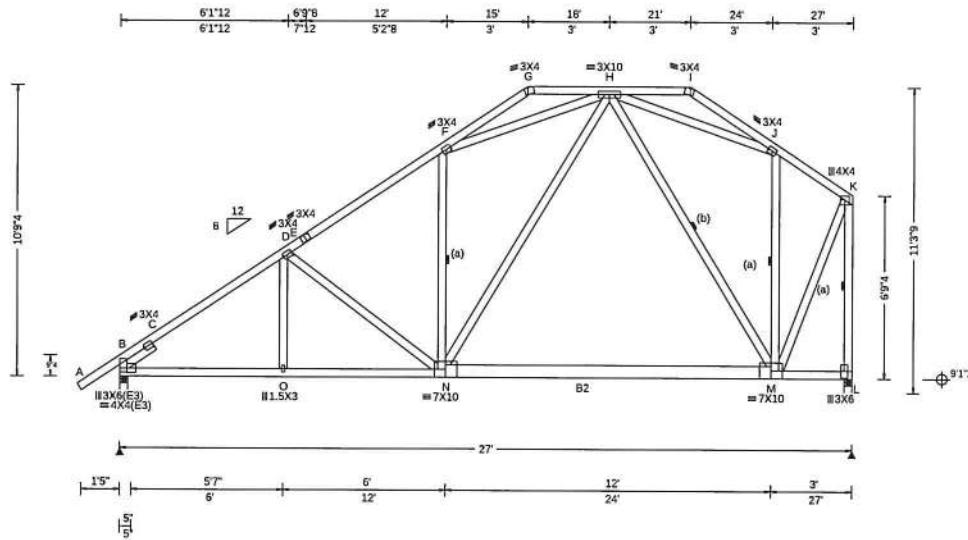
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	GravityNon-Gravity LocR+ / R- / Rh / Rw / U / RL
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.048 F 999 360	B 1224 -/- /- /636 /50 /166
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.082 F 999 240	L 1234 -/- /- /514 /66 -/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.019 D - -	
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.032 D - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B Brg Wid = 3.5 Min Req = 1.5
Soffit: 0.00	TCDL: 4.2 psf	FBC 2017 RES	Max TC CSI: 0.377	L Brg Wid = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.2 psf	TPI Std: 2014	Max BC CSI: 0.712	Bearings B & L are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: No	Max Web CSI: 0.719	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: Any	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18			
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.02.00A.1020.20	B - C 317 -1623 E - F 285 -1285

Lumber
 Top chord: 2x4 SP #1;
 Bot chord: 2x4 SP #1; B2 2x6 SP #1;
 Webs: 2x4 SP #3;
 Lt Slider: 2x4 SP #3; block length = 1.500'

Bracing
 (a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" oc.
 (b) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3", min.) nails @ 6" oc.

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
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Maximum Bot Chord Forces Per Ply (lbs)

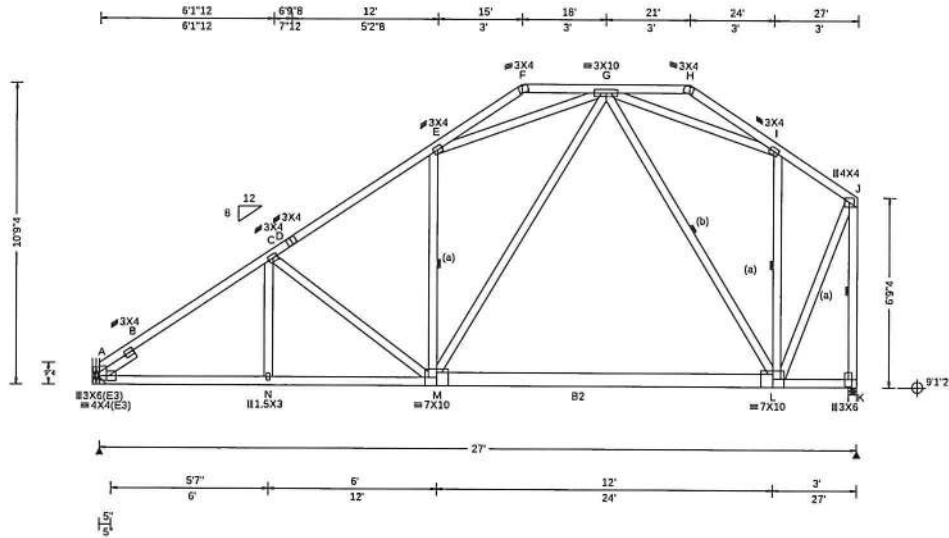
Chords	Tens.Comp.	Chords	Tens. Comp.
B - O	1248 -351	N - M	678 -141
O - N	1246 -351		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
F - H	249 -834	M - K	1049 -181
N - H	661 -160	K - L	251 -1313
H - M	131 -471		

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SEQN: 85881 FROM: RJL	COMN	Ply: 1 Qty: 5	Job Number: Z31880 FALLER RESIDENCE Truss Label: A3b 27' Common	Cust: R 857 JRef: 1Xa58570001 T20 DrwNo: 305.21.1320.24723 / YK 11/01/2021
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.047 E 999 360 VERT(CL): 0.081 E 999 240 HORZ(LL): 0.019 C - - HORZ(TL): 0.032 C - - Creep Factor: 2.0 Max TC CSI: 0.404 Max BC CSI: 0.712 Max Web CSI: 0.721 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1137 /- /- /573 /34 /152 K 1236 /- /- /516 /67 /- Wind reactions based on MWFRS A Brg Wid = - Min Req = - K Brg Wid = 3.5 Bearing K is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 335 -1644 D - E 288 -1291 B - C 293 -1594 I - J 129 -572 C - D 259 -1314

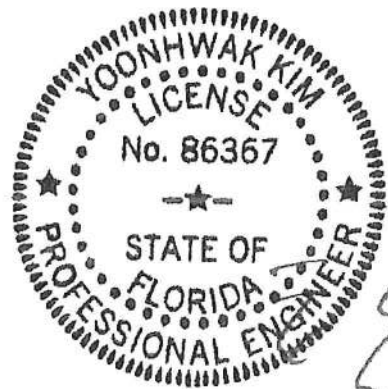
Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1; B2 2x6 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'

Bracing
(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.
(b) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

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

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

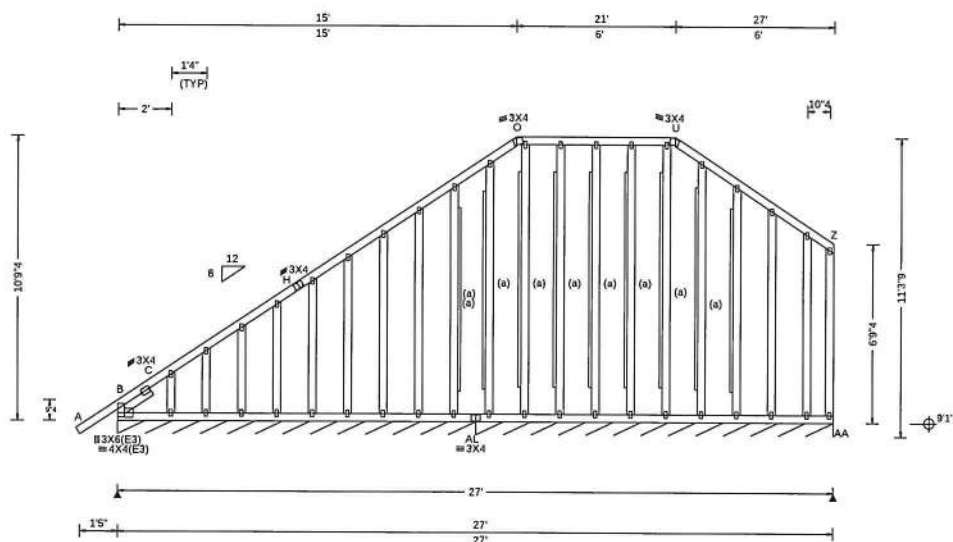
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - N	1263 -358	M - L	680 -142
N - M	1261 -358		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
E - G	249 -835	L - J	1051 -182
M - G	664 -162	J - K	252 -1315
G - L	132 -473		

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SEQN: 85842 FROM: RJL	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: Z31880 FALLER RESIDENCE Truss Label: A4-G 27' Gable	Cust: R 857 JRef: 1Xa58570001 T4 DrwNo: 305.21.1320.29400 / YK 11/01/2021
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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 TCCL: 7.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 U 999 360 VERT(CL): 0.004 U 999 240 HORZ(LL): -0.004 W - - HORZ(TL): 0.006 W - - Creep Factor: 2.0 Max TC CSI: 0.128 Max BC CSI: 0.031 Max Web CSI: 0.098 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 105 /- /- /52 /11 /14 AL* 125 /- /- /39 /2 /- Wind reactions based on MWFRS B Brg Wid = 162 Min Req = - AL Brg Wid = 162 Min Req = - Bearings B & AL are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #1; block length = 1.500'

Bracing

(a) 1x4 #3SRB SPF-S or better "L" reinforcement.
80% length of web member. Attach with 8d Box or
Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 1.5X3 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers
and cladding load not to exceed 5.00 PSF one face
and 24.0" span opposite face. Top chord must not be
cut or notched, unless specified otherwise.

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

See DWGS A14015ENC101014 & GBLLETIN0118 for
gable wind bracing and other requirements.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

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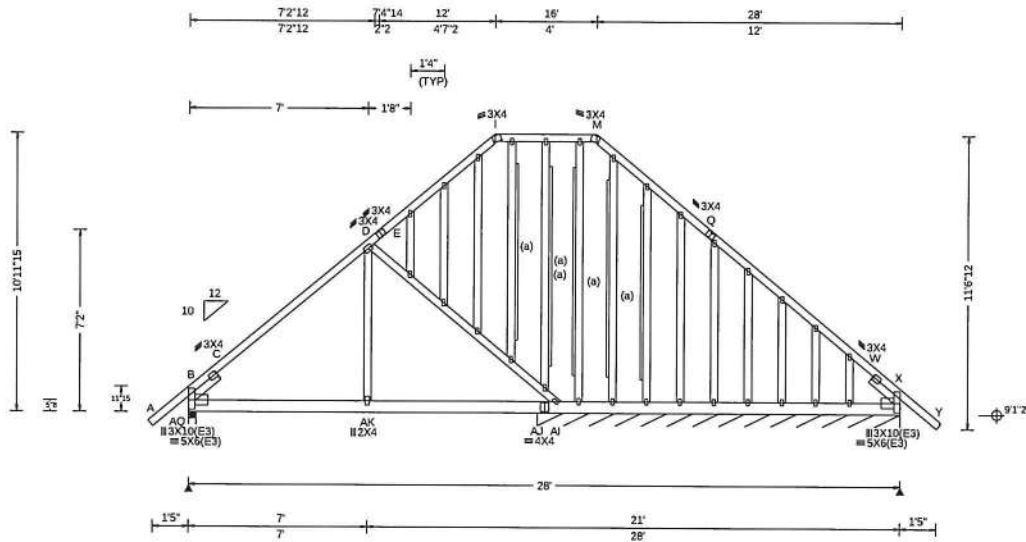
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SEQN: 85865 FROM: RJL	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: Z31880 FALLER RESIDENCE Truss Label: B1-SG 28' Common Girder	Cust: R 857 JRef: 1Xa58570001 T13 DrwNo: 305.21.1320.43530 / YK 11/01/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.046 G 999 360 VERT(CL): 0.103 G 999 240 HORZ(LL): -0.033 AM - - HORZ(TL): 0.073 AM - - Creep Factor: 2.0 Max TC CSI: 0.755 Max BC CSI: 0.255 Max Web CSI: 0.297 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL AQ 1218 /- /- /- /101 /- X* 164 /- /- /- /9 /- Wind reactions based on MWFRS AQ Brg Wid = 3.5 Min Req = 1.5 X Brg Wid = 171 Min Req = - Bearings AQ & AJ 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 97 -1383 M - Q 43 -524 C - D 85 -1280 Q - W 48 -544 D - E 51 -652 W - X 59 -597 E - I 48 -614 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - AK 887 -54 AJ-AI 888 -54 AK-AJ 888 -54 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. D - AI 51 -890

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Bracing

(a) 1x4 #3SRB SPF-S or better "L" reinforcement.
80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 1.5X3 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

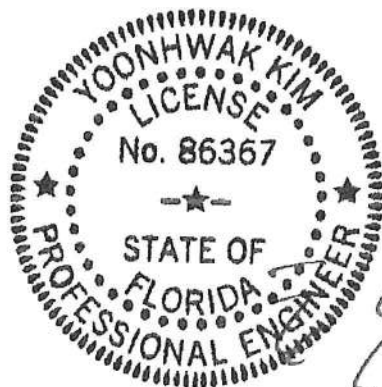
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

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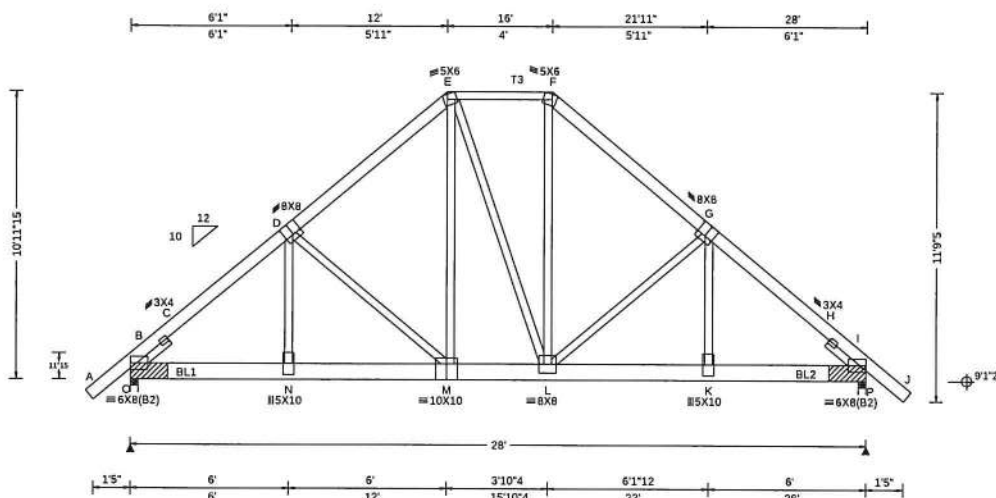
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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 Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.104 M 999 360 VERT(CL): 0.199 M 999 240 HORZ(LL): 0.043 D - - HORZ(TL): 0.082 D - - Creep Factor: 2.0 Max TC CSI: 0.237 Max BC CSI: 0.471 Max Web CSI: 0.659 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL O 10230 /- /- /- /479 /- P 10230 /- /- /- /479 /- Wind reactions based on MWFRS O Brg Wid = 3.5 Min Req = - P Brg Wid = 3.5 Min Req = - Bearings O & P are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 274 -5875 F - G 205 -4318 C - D 269 -5852 G - H 268 -5841 D - E 205 -4307 H - I 273 -5864 E - F 147 -3295

Lumber

Top chord: 2x6 SP #1; T3 2x4 SP #1;
Bot chord: 2x8 SP SS Dense;
Webs: 2x4 SP #1;
Lt Slider: 2x4 SP #1; block length = 1.500'
Rt Slider: 2x4 SP #1; block length = 1.500'

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 4.50" o.c.
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Loading

Girder supports 36'-0" span to BC one face and 2'-0" span to TC/BC split opposite face.

Wind

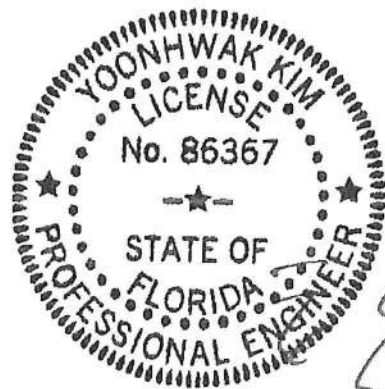
Wind loads and reactions based on MWFRS.

Bearing Block(s)

Brg blocks: 0.128"x3", min. nails
brg x-loc #blocks length/blk #nails/blk wall plate
1 0.000' 1 17" 27 Rigid Surface
2 27.708' 1 17" 27 Rigid Surface
Brg block to be same size and species as chord.
Refer to drawing C9NAILSP1014 for more information.

Blocking

Apply additional nailing over the following bearings with fasteners at 4" oc both perpendicular and parallel to grain. In lieu of additional nailing, apply blocking reinforcement to prevent buckling of members over the bearings:
Bearing 1 located at 0.0' (blocking >= 5.50" if used)
Bearing 2 located at 27.7' (blocking >= 5.50" if used)



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - N	4404 -197	L - K	4351 -195
N - M	4360 -196	K - I	4396 -197
M - L	3248 -146		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - N	1941 -53	L - F	2598 -91
D - M	67 -1495	L - G	66 -1454
E - M	2477 -87	K - G	1890 -51

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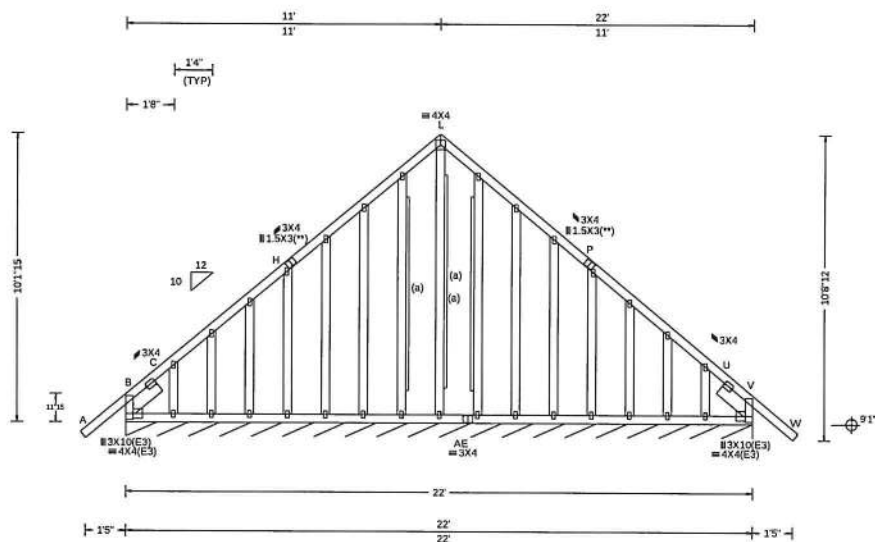
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 85850 FROM: RJL	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: Z31880 FALLER RESIDENCE Truss Label: C1-G 22' Gable	Cust: R 857 JRef: 1Xa58570001 T5 DrwNo: 305.21.1320.53587 / YK 11/01/2021
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 L 999 360 VERT(CL): 0.002 M 999 240 HORZ(LL): -0.003 K - - HORZ(TL): 0.005 K - - Creep Factor: 2.0 Max TC CSI: 0.165 Max BC CSI: 0.024 Max Web CSI: 0.160 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL V* 112 /- /- /46 /7 /12 Wind reactions based on MWFRS V Brg Wid = 264 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 363 -388 U - V 369 -389

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP #1; block length = 1.500'
Rt Slider: 2x6 SP #1; block length = 1.500'

Bracing

(a) 1x4 #3SRB SPF-S or better "L" reinforcement.
80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 1.5X3 except as noted.

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

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Additional Notes

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

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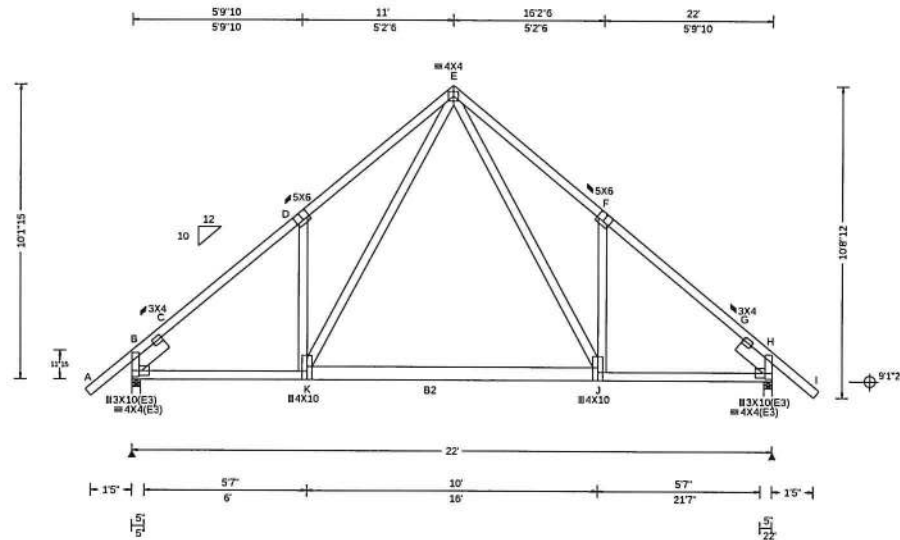
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 85869 FROM: RJL	COMM Ply: 1 Qty: 7	Job Number: Z31880 FALLER RESIDENCE Truss Label: C2a 22' Common	Cust: R 857 JRef: 1Xa58570001 T3 DrwNo: 305.21.1320.55560 / YK 11/01/2021
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.040 F 999 360 VERT(CL): 0.068 F 999 240 HORZ(LL): 0.025 G - - HORZ(TL): 0.044 G - - Creep Factor: 2.0 Max TC CSI: 0.384 Max BC CSI: 0.524 Max Web CSI: 0.400 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1066 /- /- /522 /42 /236 H 1067 /- /- /522 /42 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 H Brg Wid = 3.5 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 253 -1302 E - F 392 -1164 C - D 216 -1202 F - G 215 -1203 D - E 392 -1163 G - H 252 -1304

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1; B2 2x6 SP #1;
Webs: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.500'
Rt Slider: 2x6 SP #1; block length = 1.500'

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

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

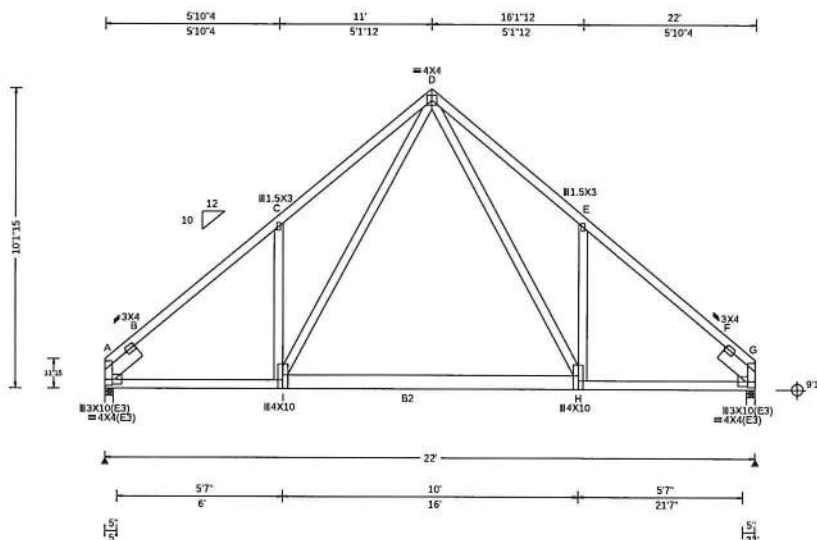


FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 85871 FROM: RJL	COMN Qty: 4	Ply: 1 Qty: 4	Job Number: Z31880 FALLER RESIDENCE Truss Label: C2b 22' Common	Cust: R 857 JRef: 1Xa58570001 T24 DrwNo: 305.21.1320.57753 / YK 11/01/2021
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.037 E 999 360 VERT(CL): 0.064 E 999 240 HORZ(LL): 0.018 C - - HORZ(TL): 0.031 C - - Creep Factor: 2.0 Max TC CSI: 0.312 Max BC CSI: 0.521 Max Web CSI: 0.413 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 978 /- /- /453 /27 /186 G 979 /- /- /453 /27 /- Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 G Brg Wid = 3.5 Min Req = 1.5 Bearings A & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 218 -1315 D - E 402 -1187 B - C 221 -1216 E - F 221 -1217 C - D 402 -1186 F - G 218 -1317 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - I 850 -88 H - G 851 -88 I - H 563 0 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. I - D 606 -224 D - H 609 -224

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1; B2 2x6 SP #1;
Webs: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.500'
Rt Slider: 2x6 SP #1; block length = 1.500'

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

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

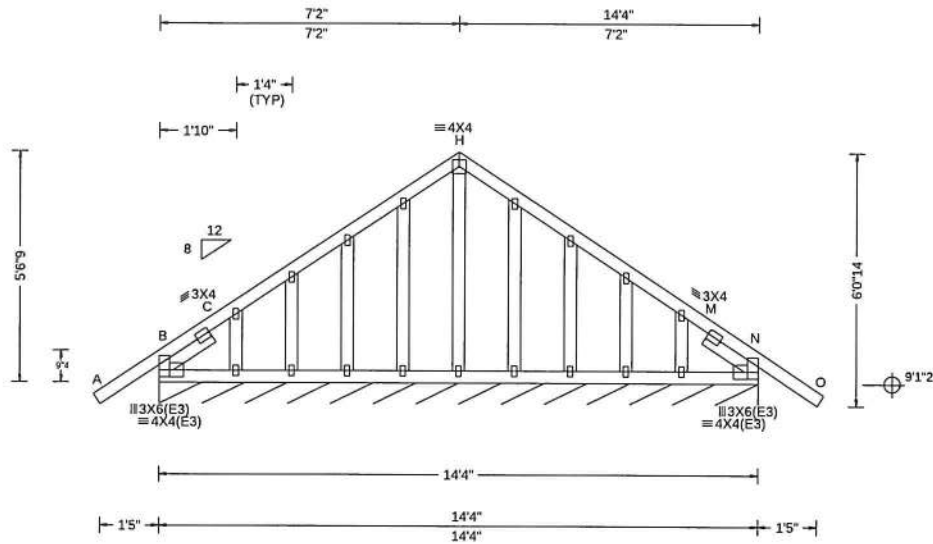


FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 85824 FROM: RJL	GABL	Ply: 1 Qty: 1	Job Number: Z31880 FALLER RESIDENCE Truss Label: D1-G 14'4" Gable	Cust: R 857 JRef: 1Xa58570001 T21 DrwNo: 305.21.1321.01987 / YK 11/01/2021
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 H 999 360 VERT(CL): 0.001 I 999 240 HORZ(LL): -0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.137 Max BC CSI: 0.017 Max Web CSI: 0.064 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 103 /- /- /45 /18 /10 Wind reactions based on MWFRS B Brg Wid = 172 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Plating Notes

All plates are 1.5X3 except as noted.

Loading

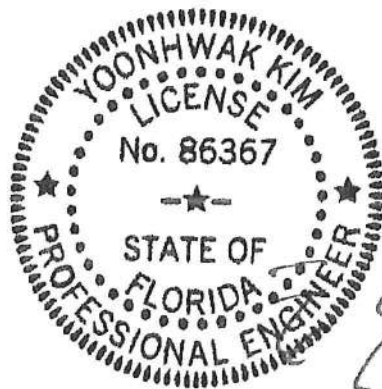
Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Additional Notes

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

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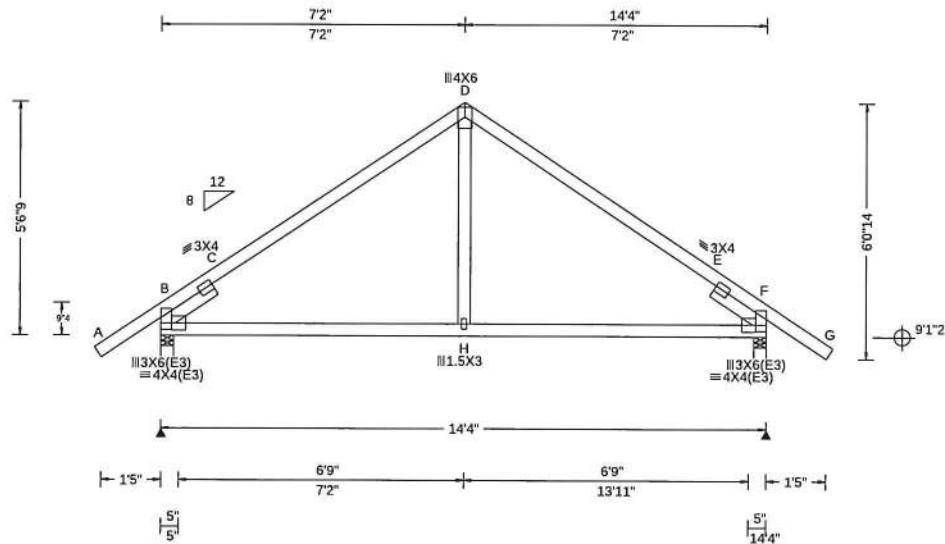
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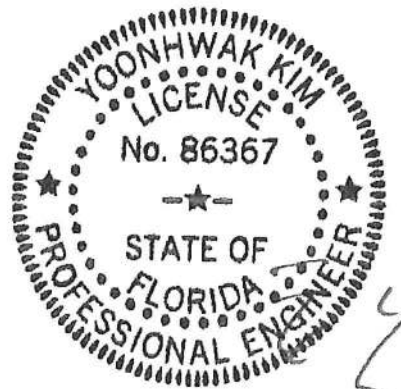
SEQN: 85822 FROM: RJL	COMN Ply: 1 Qty: 2	Job Number: Z31880 FALLER RESIDENCE Truss Label: D2 14" Common	Cust: R 857 JRef: 1Xa58570001 T7 DrwNo: 305.21.1321.04240 / YK 11/01/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.041 E 999 360 VERT(CL): 0.075 E 999 240 HORZ(LL): 0.032 C - - HORZ(TL): 0.058 C - - Creep Factor: 2.0 Max TC CSI: 0.438 Max BC CSI: 0.416 Max Web CSI: 0.091 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 636 /- /- /353 /39 /127 F 636 /- /- /353 /39 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 F Brg Wid = 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 352 -935 D - E 153 -607 C - D 152 -607 E - F 350 -935

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #1;
Lt Slider: 2x4 SP #1; block length = 1.500'
Rt Slider: 2x4 SP #1; block length = 1.500'

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



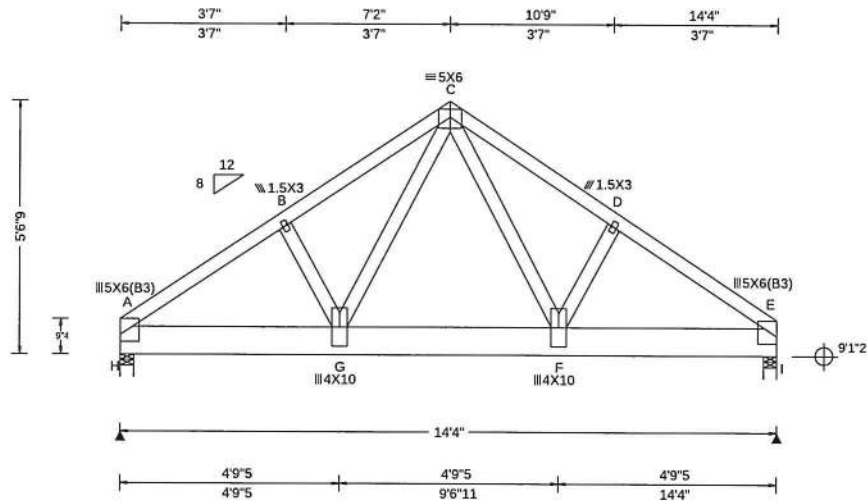
FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 85848 FROM: RJL	COMN Ply: 2 Qty: 1	Job Number: Z31880 FALLER RESIDENCE Truss Label: D3 14'4" Common Girder	Cust: R 857 JRef: 1Xa58570001 T2 DrwNo: 305.21.1321.14763 / YK 11/01/2021
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defll/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.051 F 999 360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.094 F 999 240	H	4225	/-	/-	/-	/143	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.014 B - -	I	5469	/-	/-	/-	/218	/-
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.027 B - -	Wind reactions based on MWFRS						
NCBCLL: 0.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	H	Brg Wid = 3.5	Min Req = 2.1				
Soffit: 0.00	TCDL: 4.2 psf		Max TC CSI: 0.384	I	Brg Wid = 3.5	Min Req = 2.8				
Load Duration: 1.25	BCDL: 5.2 psf		Max BC CSI: 0.293	Bearings H & I are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.268	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 4.50 ft			Chords	Tens.Comp.		Chords	Tens. Comp.		
	GCpi: 0.18			A - B	94 - 2572		C - D	104 - 2748		
	Wind Duration: 1.60		VIEW Ver: 20.02.00A.1020.20							

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x8 SP SS Dense;
Webs: 2x4 SP #1;

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 28 plf at 0.00 to 28 plf at 14.33
BC: From 10 plf at 0.00 to 10 plf at 14.33
BC: 1137 lb Conc. Load at 1.60, 3.60, 5.60, 7.60
BC: 1532 lb Conc. Load at 9.60, 11.60, 13.60

Wind

Wind loads and reactions based on MWFRS.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

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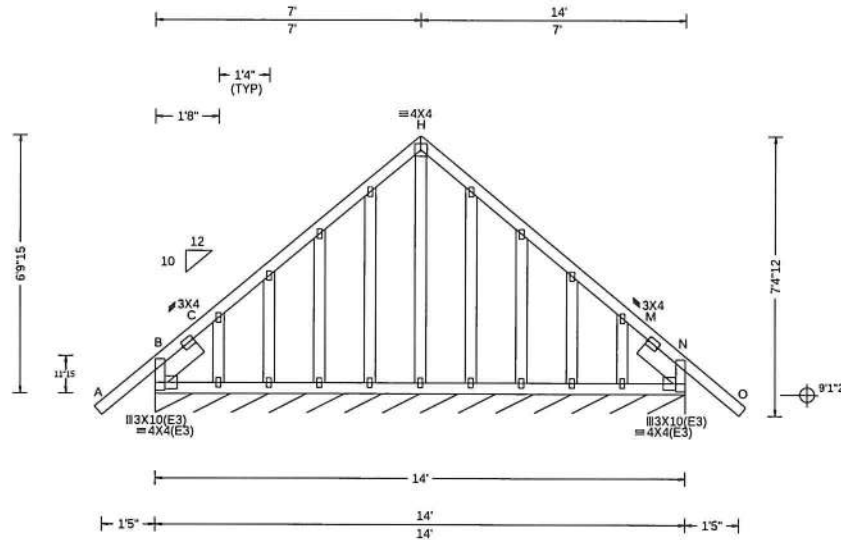
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 85854 FROM: RJL	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: Z31880 FALLER RESIDENCE Truss Label: E1-G 14' Gable	Cust: R 857 JRef: 1Xa58570001 T14 DrwNo: 305.21.1321.18000 / YK 11/01/2021
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 H 999 360 VERT(CL): 0.001 B 999 240 HORZ(LL): -0.003 B - - HORZ(TL): 0.004 B - - Creep Factor: 2.0 Max TC CSI: 0.164 Max BC CSI: 0.017 Max Web CSI: 0.161 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL N* 109 /- /- /48 /19 /13 Wind reactions based on MWFRS N Brg Wid = 168 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP #1; block length = 1.500'
Rt Slider: 2x6 SP #1; block length = 1.500'

Plating Notes

All plates are 1.5X3 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Additional Notes

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

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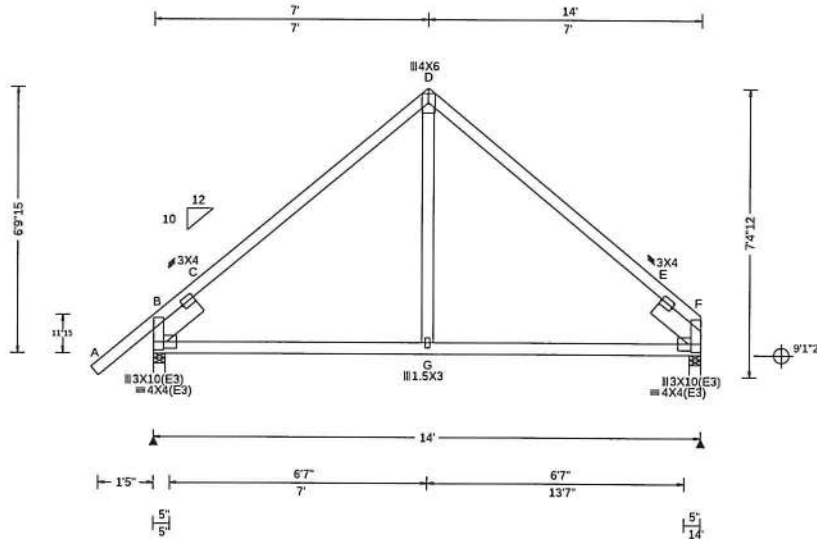
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 85856 FROM: RJL	COMN Ply: 1 Qty: 2	Job Number: Z31880 FALLER RESIDENCE Truss Label: E2 14' Common	Cust: R 857 JRef: 1Xa58570001 T10 DrwNo: 305.21.1321.20450 / YK 11/01/2021
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.037 E 999 360 VERT(CL): 0.061 E 999 240 HORZ(LL): -0.036 E - - HORZ(TL): 0.059 E - - Creep Factor: 2.0 Max TC CSI: 0.533 Max BC CSI: 0.580 Max Web CSI: 0.057 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 760 /- /- /357 /32 /151 F 664 /- /- /286 /16 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 F Brg Wid = 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 178 - 778 D - E 145 - 698 C - D 146 - 703 E - F 227 - 840

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.500'
Rt Slider: 2x6 SP #1; block length = 1.500'

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - G	463 - 12	G - F	463 - 12

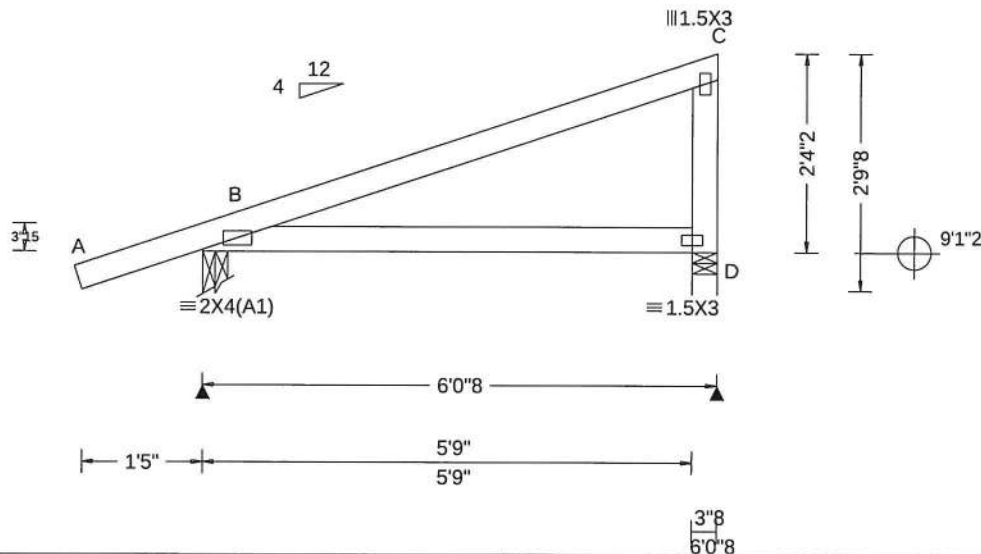
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
D - G	375 0

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 85852 FROM: RJL	MONO Ply: 1 Qty: 11	Job Number: Z31880 FALLER RESIDENCE Truss Label: G1 6'0"8 Mono	Cust: R 857 JRef: 1Xa58570001 T22 DrwNo: 305.21.1321.25223 / YK 11/01/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defll/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	323	/-	/-	/188	/16	/35
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	203	/-	/-	/110	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 B - -	Wind reactions based on MWFRS						
Des Ld: 37.00	EXP: B Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.013 B - -	B	Brg Wid = 3.5 Min Req = 1.5					
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	D	Brg Wid = 3.5 Min Req = 1.5					
Soffit: 0.00	TCDL: 4.2 psf		Max TC CSI: 0.330	Bearings B & D are a rigid surface.						
Load Duration: 1.25	BCDL: 5.2 psf		Max BC CSI: 0.261	Members not listed have forces less than 375#						
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.060							
	C&C Dist a: 3.00 ft									
	Loc. from endwall: not in 9.00 ft									
	GCpi: 0.18									
	Wind Duration: 1.60									
			VIEW Ver: 20.02.00A.1020.20							

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #1;

Wind

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

Right end vertical not exposed to wind pressure.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

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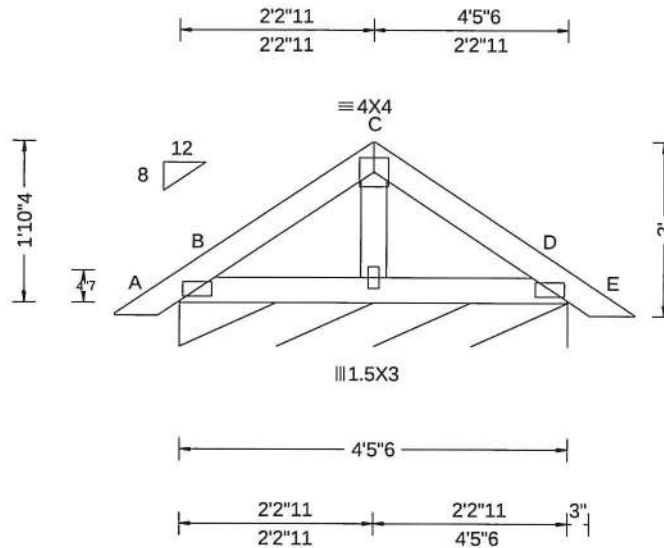
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 938263 / FROM: RJL	GABL Ply: 1 Qty: 37	Job Number: Z31880 FALLER RESIDENCE Truss Label: PB1 6' Common	Cust: R 857 JRef: 1Xa58570001 T11 / DrwNo: 305.21.1224.39727 SSB / WHK 11/01/2021
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 20.86 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 F 999 360 VERT(CL): 0.000 F 999 240 HORZ(LL): -0.000 F - - HORZ(TL): 0.000 F - - Creep Factor: 2.0 Max TC CSI: 0.037 Max BC CSI: 0.037 Max Web CSI: 0.005 VIEW Ver: 18.02.01A.0205.19	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 90 /- /- /43 /13 /10 Wind reactions based on MWFRS B Brg Width = 53.4 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #1;

Plating Notes

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

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWGS A14030ENC101014 & GBLLETIN0118 for
gable wind bracing and other requirements.



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11/01/2021

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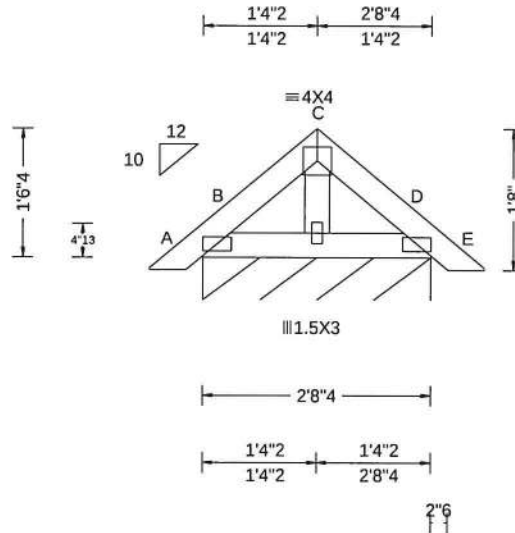
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Suite 305
Orlando FL, 32821

SEQN: 938265 / FROM: RJL	GABL Ply: 1 Qty: 3	Job Number: Z31880 FALLER RESIDENCE Truss Label: PB2 4' Common	Cust: R 857 JRef: 1Xa58570001 T16 / DrwNo: 305.21.1224.39728 SSB / WHK 11/01/2021
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 20.94 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 F 999 360 VERT(CL): 0.000 F 999 240 HORZ(LL): -0.000 F - - HORZ(TL): 0.000 F - - Creep Factor: 2.0 Max TC CSI: 0.015 Max BC CSI: 0.010 Max Web CSI: 0.004 VIEW Ver: 18.02.01A.0205.19	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 97 /- /- /48 /13 /15 Wind reactions based on MWFRS B Brg Width = 32.3 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #1;

Plating Notes

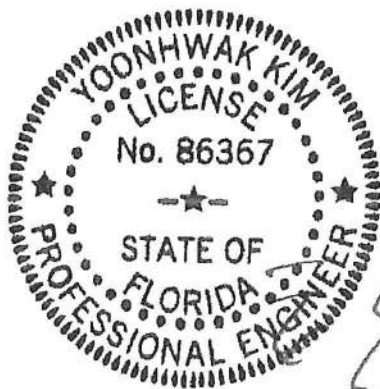
All plates are 2X4(B1) except as noted.

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.



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11/01/2021

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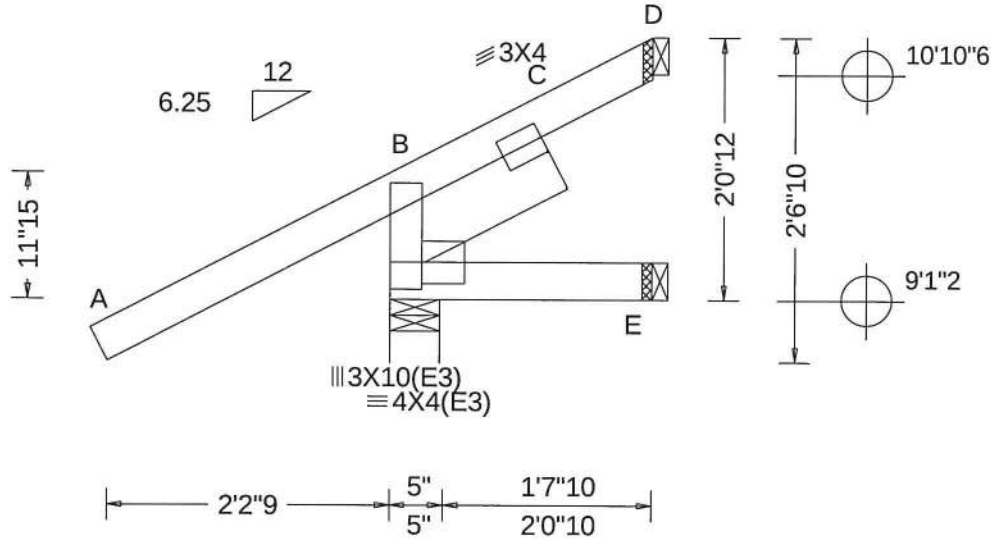
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 85860 FROM: RJL	HIP_	Ply: 1 Qty: 1	Job Number: Z31880 FALLER RESIDENCE Truss Label: JA 2'0"10 Hip Jack Girder	Cust: R 857 JRef: 1Xa58570001 T23 DrwNo: 305.21.1321.28550 / YK 11/01/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	124	/-	/-	/-	/16	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	E	4	/-	/-	/3	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 C - -	D	-	/-23	/-	/2	/-	/-
Des Ld: 37.00	EXP: B Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.003 C - -	Creep Factor: 2.0						
NCBCLL: 0.00	Mean Height: 15.00 ft		Max TC CSI: 0.154	Wind reactions based on MWFRS						
Soffit: 0.00	TCDL: 4.2 psf		Max BC CSI: 0.004	B Brg Wid = 4.7 Min Req = 1.5						
Load Duration: 1.25	BCDL: 5.2 psf		Max Web CSI: 0.002	E Brg Wid = 1.5						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2			D Brg Wid = 1.5						
	C&C Dist a: 3.00 ft			Bearing B is a rigid surface.						
	Loc. from endwall: NA			Members not listed have forces less than 375#						
	GCpi: 0.18									
	Wind Duration: 1.60									
			VIEW Ver: 20.02.00A.1020.20							

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.500'

Loading

Hipjack supports 1-5-7 setback jacks with no webs.

Wind

Wind loads and reactions based on MWFRS.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

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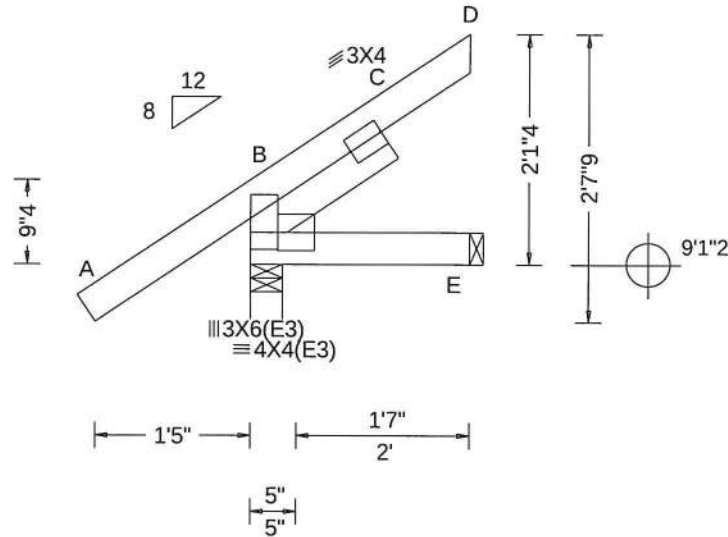
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org



6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 85858 FROM: RJL	EJAC	Ply: 1 Qty: 7	Job Number: Z31880 FALLER RESIDENCE Truss Label: JB 2' End Jack	Cust: R 857 JRef: 1Xa58570001 T12 DrwNo: 305.21.1321.34803 / YK 11/01/2021
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.034 D 710 360 VERT(CL): 0.057 D 417 240 HORZ(LL): 0.028 D - - HORZ(TL): 0.047 D - - Creep Factor: 2.0 Max TC CSI: 0.121 Max BC CSI: 0.082 Max Web CSI: 0.063 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 194 /- /- /129 /12 /45 E 47 /- /- /39 /9 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 E Brg Wid = 1.5 Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x4 SP #1; block length = 1.500'

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/01/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcomponents.com; ICC: iccsafe.org; AWC: awc.org



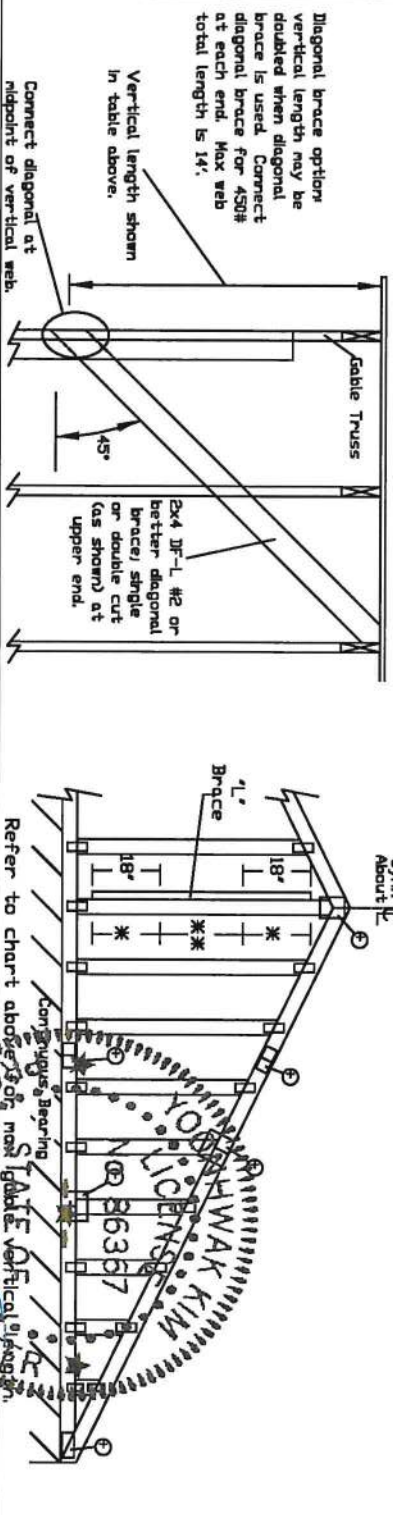
6750 Forum Drive
Suite 305
Orlando FL, 32821

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

Gable Stud Reinforcement Detail

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

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



Attach "L" braces with 10d 6028x3.0" n/a n/a.
 * For CD "L" braces: space n/a at 2' o.c.
 In 18" end zones and 4' o.c. between zones.
 * For (2) "L" braces: space n/a 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.

REF ASCE7-10-GAB14015

DATE 10/01/14

DRWG A14015ENC101014

MAX. TOT. L.D. 60 PSF

MAX. SPACING 24.0'



IMPORTANT: READ AND FOLLOW ALL NOTES IN THIS DRAWING.
 DRAWINGS FURNISH THE BASIS FOR ALL CONSTRUCTION INCLUDING THE DETAILERS.
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 Alpine, a division of TTV Building Components Group Inc. shall not be responsible for any deviation from this drawing, or for any failure to build the truss in accordance with ASCE 7-10, or for handling, shipping, or installing the trusses. Alpine shall not be responsible for any damage to the building or other property caused by the use of the trusses. Alpine shall not be responsible for any damage to the building or other property caused by the use of the trusses.
 For more information see the job's general notes page and those with which this drawing is associated.
 ALPINE: www.alpine.com TPI: www.tpi.com SDC: www.sdc.com

PROFESSIONAL ENGINEER
 KIM KIM
 86367

ASCE 7-10: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, $K_z t = 1.00$

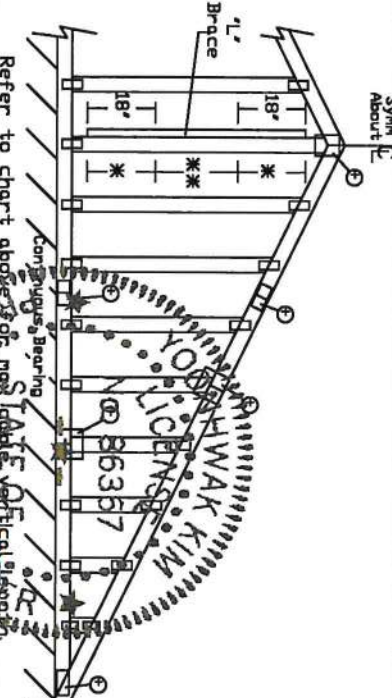
Drn	120 mph	Wind Speed, 30'	Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
Drn	120 mph	Wind Speed, 30'	Mean Height, Enclosed, Exposure D, Kzt = 1.00
Drn	100 mph	Wind speed, 30'	Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

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

¹1x4 Braces shall be SRB (Stress-Rated Board).

²For 1x4 So. Pine use only Industrial SS or Industrial 4S Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:
Wind Load deflection criterion is $L/240$.
Provide uplift connections for 100 plf over
continuous bearing (5 psf TC Dead Load.
Gable end supports load from 4' of outleak
with 2' of overhang, or 12' plywood overhang.



Attach 1" braces with 10d (0.228x3.0" min) nails
 * For 1" 1" braces space nails at 2' o.c.
 In 18" end zones and 4' o.c. between zones.
 * *or* (2) 1" braces space nails at 3' o.c.
 In 18" end zones and 6' o.c. between zones.
 1" bracing must be a minimum of 80% of web
 member length.

Vertical Length	No Splice
Less than 4' 0"	2X4
Greater than 4' 0", but less than 11' 6"	3X4
Greater than 11' 6"	4X4

+ Refer to common truss design for peak, splice, and heel plates.

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

[illegible]

ALPINE
AN ITW COMPANY

514 Earth City Expressway
Suite 242
Earth City, MO 63045

REF	ASCE7-10-GABI4030
DATE	10/01/14
DRWG	A14030ENC101014

NAIL SPACING DETAIL

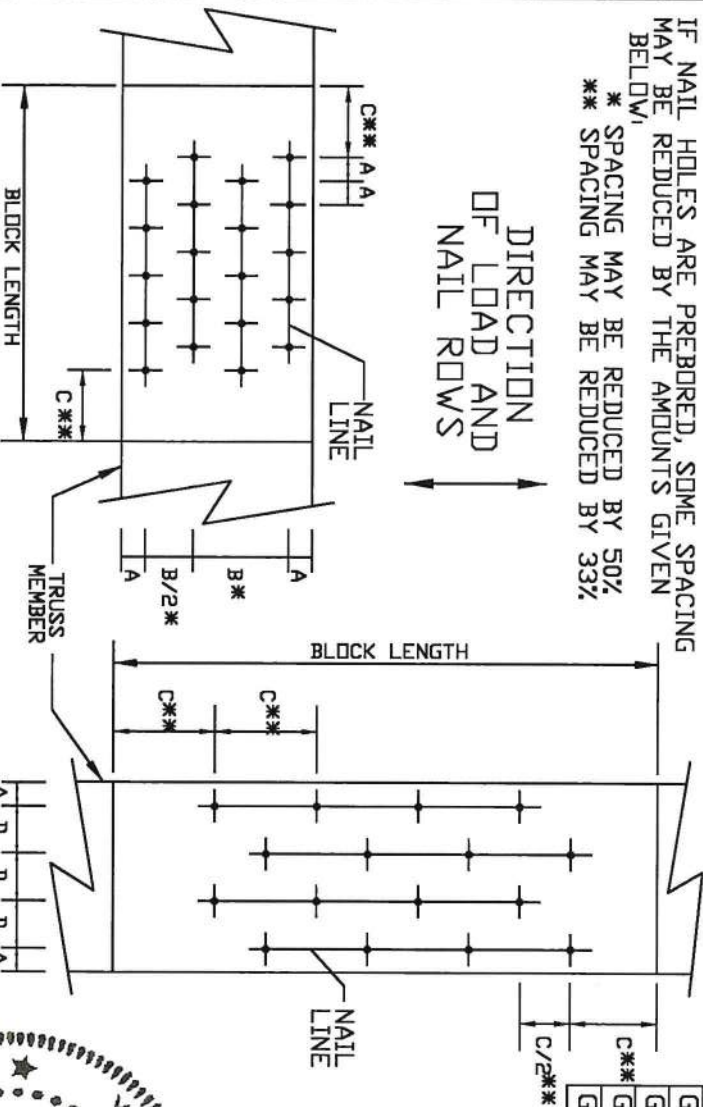
MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCE THIS DETAIL.

- LOAD PERPENDICULAR TO GRAIN
 - A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
 - B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
 - C - END DISTANCE (15 NAIL DIAMETERS)
- LOAD PARALLEL TO GRAIN
 - A - EDGE DISTANCE (6 NAIL DIAMETERS)
 - C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
 - D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
 * SPACING MAY BE REDUCED BY 50%
 ** SPACING MAY BE REDUCED BY 33%.

DIRECTION OF LOAD AND NAIL ROWS



MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES			
	A	B*	C**	D
8d BDX (0.113" X 2.5", MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BDX (0.128" X 3", MIN)	7/8"	1 5/8"	2"	1"
12d BDX (0.128" X 3.25", MIN)	7/8"	1 5/8"	2"	1"
16d BDX (0.135" X 3.5", MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BDX (0.148" X 4", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131" X 2.5", MIN)	7/8"	1 5/8"	2"	1"
10d COMMON (0.148" X 3", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
12d COMMON (0.148" X 3.25", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
16d COMMON (0.162" X 3.5", MIN)	1"	2"	2 1/2"	1 1/4"
GUN (0.120" X 2.5", MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131" X 2.5", MIN)	7/8"	1 5/8"	2"	1"
GUN (0.120" X 3", MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131" X 3", MIN)	7/8"	1 5/8"	2"	1"

LOAD APPLIED PERPENDICULAR TO GRAIN

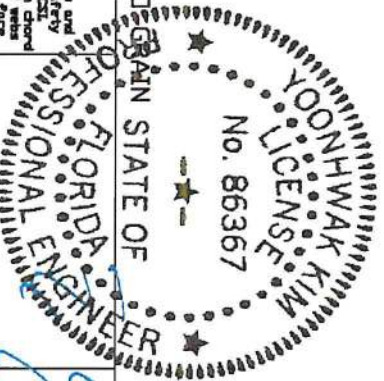
LOAD APPLIED PARALLEL TO GRAIN

WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BSI Building Component Safety Information, by TPI and SDO for safety instructions. Trusses should not be used for any purpose other than intended. Trusses should not be modified or altered in any way without the approval of the manufacturer. Trusses should be installed in accordance with the manufacturer's instructions. Trusses should be installed in accordance with the manufacturer's instructions. Trusses should be installed in accordance with the manufacturer's instructions.



514 Earth City Expressway
Suite 242
Earth City, MO 63045



REF NAIL SPACE
DATE 10/01/14
DRWG CNNAIL.SP1014

Piggyback Detail - ASCE 7-16: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

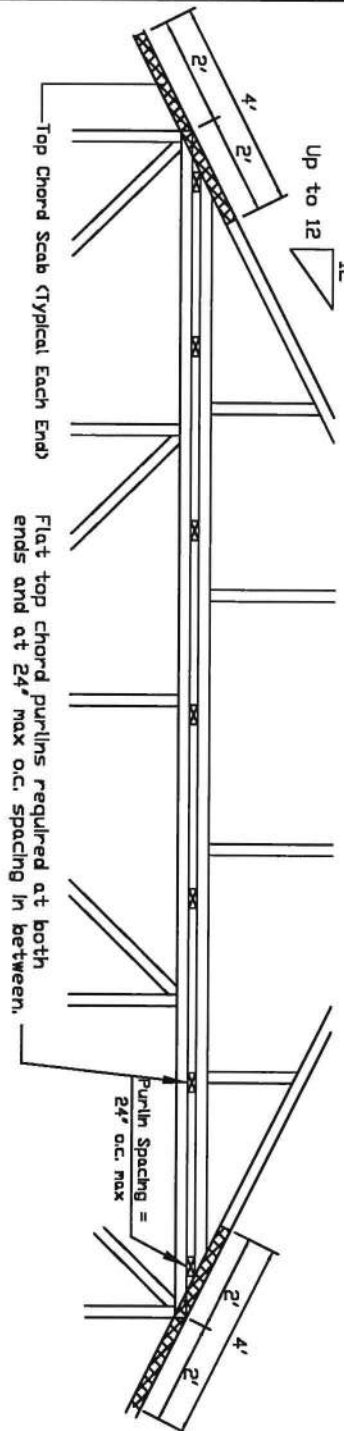
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 50 psf (Gm), Kzt=1.0.
Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp D, Wind DL= 50 psf (Gm), Kzt=1.0.

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

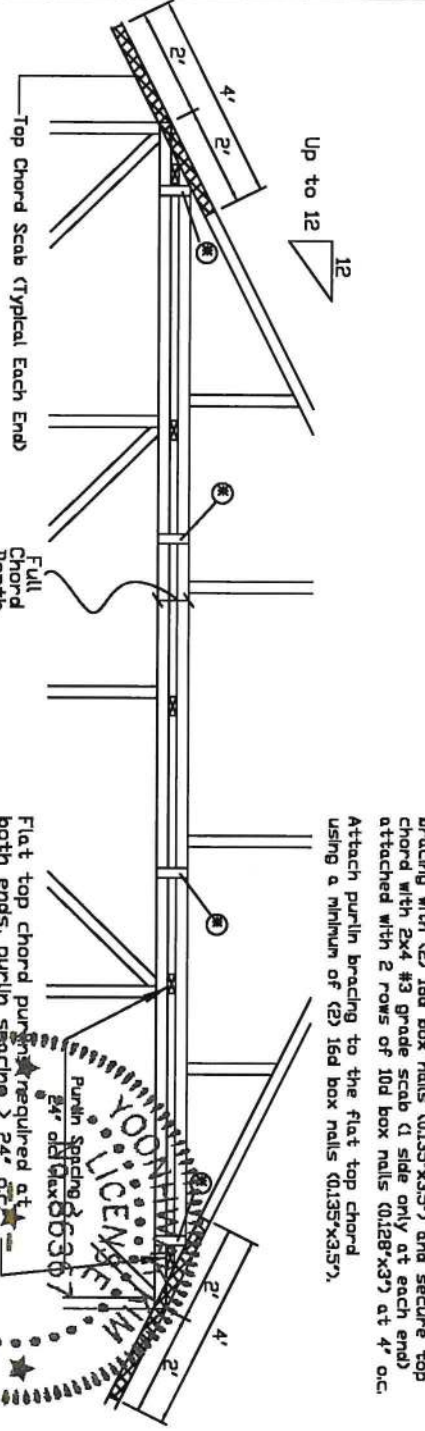


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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 (2) 2BPB wave piggyback plate attached to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

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



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

APA Rated Gusset

8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.113"x2") 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.

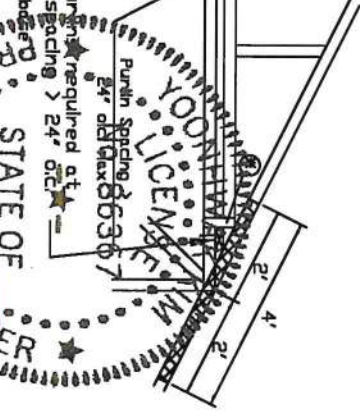
2x4 Vertical Scabs

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.

2BPB Wave Piggyback Plate

One 2BPB wave piggyback plate to each face @ 8' o.c. Attach with (4) 0.120"x1.375" nails per face. Attach to piggyback truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.

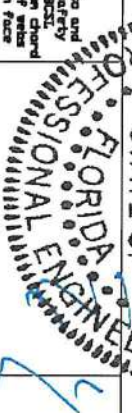
Note: If purlins or sheathing are not specified on the flat top of the base truss, purlins must be installed at 24' o.c. max and use Detail A.



Flat top chord purlins required at both ends and at 24' max o.c. spacing in between.

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").



ALPINE
AN INW COMPANY

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BSI Building Component Safety Information, by TPI and SBCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BSI. Trusses shall have bracing installed per BSI sections 32, 37 or 300, 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 1504-2 for standard plate positions.

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

A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineer's seal and signature. The seal and signature are the responsibility of the Building Designer per ANSI/TPI 1, Section 10.2.2. For any structure in the responsibility of the Building Designer per ANSI/TPI 1, Section 10.2.2.

For more information see the job's general notes page and these notes with 01/02/2018.

ALPINE: www.alpineinc.com TPI: www.tpiinc.com SBCA: www.sbcainc.com YTD: www.ytdinc.com

REF PIGGYBACK

DATE 01/02/2018

DRWG PB160160118

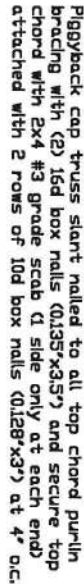
SPACING 24.0'

180 mph Wind, 30.00 ft Mean Hgt., ASCE 7-16, Part, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (ϕ_{in}), Kzt=1.0.
Exp D, wind DL= 5.0 psf (ϕ_{in}), Kzt=1.0.

Dr 160 mph wind, 30.00 ft Mean Hgt., ASCE 7-16, Part, Enclosed Bldg, located anywhere in roof, Exp D, wind DL= 5.0 psf (ϕ_{in}), 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.



++ Flat top chord purllins required at both ends and at a maximum of 24' intervals unless otherwise noted on base truss design drawing. Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (d135x35).

one of the following methods:

28PB Wave Plyback Plate

One 28PB wave plyback plate to each face of 8" x 5" Attach teeth to plyback at time of fabrication. Attachment to supporting truss with (4) 0.120"x1.375" nuts per face per ply.

Plyback plates 1/4" staggered 4 o.c. front to back faces.

2x4 Vertical Scabs

2x4 SPS #2000, double length scabs (each face), Attached to 8" x 5" plywood and wood joists (0.128"x3") per scab, (3) in top bottom chord and (3) in base truss, top chord. Scabs may be staggered 4 o.c. front to back faces.

NO. 00007

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

Trusses require extensive care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of ICC's Building Component Safety Information, by ICC and SCSA for safety practices proper to performing these functions. Installers shall provide temporary bracing per ICC. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached roof ceiling. Locations shown for permanent lateral restraint of walls shall have bracing installed per ICC sections IX, Y or ZU, 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 10A-2 for standard plate positions.



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SPACING

24.0"

