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Site Information:		Page 1:
Customer: W. B. Howland Company, Inc.		Job Number: 20-4050
Job Description: LOT 9 EMERALD COVE REVISE /Gibraltar Cont.		
Address: LAKE CITY, FL 32024		

Job Engineering Criteria:	
Design Code: FBC 2017 RES	IntelliVIEW Version: 18.02.01B
Wind Standard: ASCE 7-10	Wind Speed (mph): 130
Building Type: Closed	Roof Load (psf): 20.00-10.00-0.00-10.00
	Floor Load (psf): None

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

Item	Drawing Number	Truss
1	078.20.0925.12932	A01
3	078.20.0925.12713	B01
5	078.20.0925.13149	B02
7	078.20.0925.13009	B04
9	078.20.0925.12947	B06
11	078.20.0925.13104	B08
13	078.20.0925.12994	B10
15	078.20.0925.12885	B12
17	078.20.0925.12791	C02
19	078.20.0925.12588	D01
21	078.20.0925.12573	D03
23	078.20.0925.12635	J02
25	078.20.0925.12745	J04
27	078.20.0925.12901	J05
29	078.20.0925.12776	J07
31	078.20.0925.12854	J09
33	078.20.0925.12993	P01
35	078.20.0925.13150	P03
37	BRCLESUB0119	
39	PB160101014	

Item	Drawing Number	Truss
2	078.20.0925.12604	A02
4	078.20.0925.12665	B1A
6	078.20.0925.13073	B03
8	078.20.0925.13055	B05
10	078.20.0925.13102	B07
12	078.20.0925.12978	B09
14	078.20.0925.12948	B11
16	078.20.0925.12620	C01
18	078.20.0925.12651	C03
20	078.20.0925.12900	D02
22	078.20.0925.12698	J01
24	078.20.0925.12792	J03
26	078.20.0925.12869	J4A
28	078.20.0925.12822	J06
30	078.20.0925.12807	J08
32	078.20.0925.12744	J10
34	078.20.0925.13072	P02
36	A14015ENC101014	
38	GBLLETIN0118	

Institute. The truss component designs conform to the applicable provisions of ANSI/HPS-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.

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, TCCL, 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.

lc = 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).

TCCL = 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.

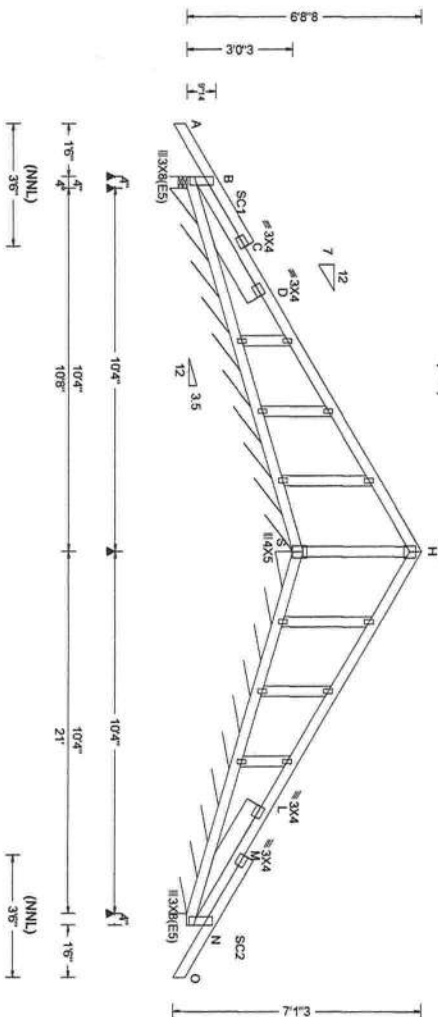
VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.

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.

4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
 5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg P _f in PSF)			Defl/CSI Criteria	▲ Maximum Reactions (lbs), or "PLF"			
		Gravity		Non-Gravity					
		Loc	R+ / R-	/ Rh		/ Rw / U	/ RL		
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA	Ct NA	CAT: NA	PP Deflection in loc L/defl L/#				
TCCL: 10.00	Speed: 130 mph	Pf: NA	Ce: NA		VERT(L/L): 0.018 C	999	240		
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(C/L): 0.038 C	999	180		
BCDL: 10.00	Risk Category: II	Snow Duration: NA			HORZ(L/L): 0.011 C	-	-		
Des Ld: 40.00	EXP: C Kzt NA				HORZ(T/L): 0.024 C	-	-		
NCBCLL: 10.00	Mean Height: 15.00 ft				Creep Factor: 2.0				
Soft: 2.00	TCCL: 5.0 psf				Max TC CSI: 0.209				
Load Duration: 1.25	BCDL: 5.0 psf				Max BC CSI: 0.199				
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2				Max Web CSI: 0.045				
	C&C Dist: a: 3.00 ft								
	Loc. from endwall: Any								
	GCPI: 0.18								
Wind Duration: 1.60					VIEW Ver: 18.02.01B.0321.08				

Additional Notes

Refer to General Notes for additional information
 See DWGS A14015ENC101014 & GBLLETIN0118 for
 gable wind bracing and other requirements.
 Stacked top chord must NOT be notched or cut in
 area (NML). Dropped top chord braced at 24" oc
 intervals. 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 wind length.
 Splice top chord in noticable area using 3x4 tie-plates.
 Shim all supports to square beam.
 The overall height shall be as shown on drawings 6-8-8.

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

Plating Notes
 All plates are 1.5X3 except as noted.

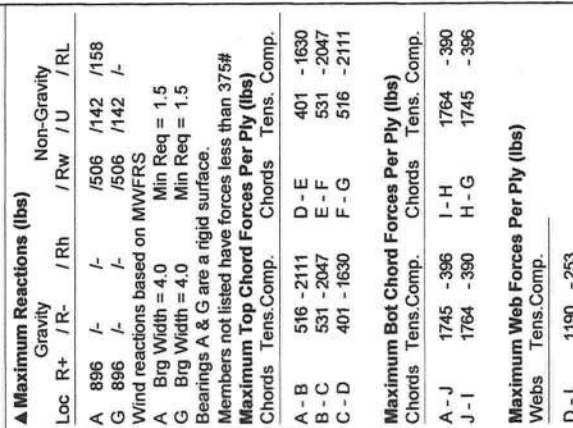
Loading
 Gable end supports 8" max rake overhang. Top
 chord must not be cut or notched.

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



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The overall height of this truss excluding overhang is 7'-0-8.

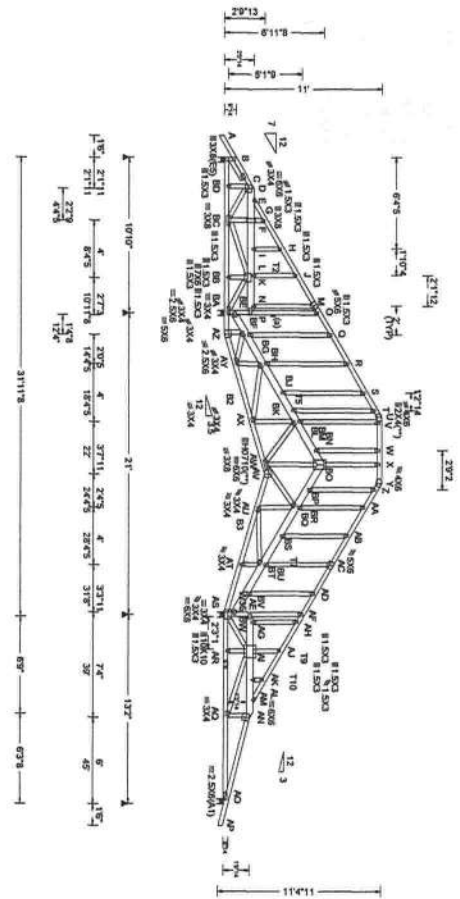
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Loading Criteria (psf)	
TCLL: 20.00	Wind Std: ASCE 7-10
TCDL: 10.00	Speed: 130 mph
BCLL: 0.00	Enclosure: Closed
BCDL: 10.00	Risk Category: II
Des Ld: 40.00	EXP: C Kzt: NA
NCBCLL: 0.00	Mean Height: 15.00 ft
Soft: 2.00	BCDL: 5.0 psf
Load Duration: 1.25	MMFRS Parallel Dist 0 to h/2
Spacing: 24.0"	C&C Dist a: 4.50 ft
	Loc. from endwall: Any
	GCpl: 0.18
	Wind Duration: 1.60

Wind Criteria	
Wind Std: ASCE 7-10	
Speed: 130 mph	
Enclosure: Closed	
Risk Category: II	
EXP: C Kzt: NA	
Mean Height: 15.00 ft	
BCDL: 5.0 psf	
MMFRS Parallel Dist 0 to h/2	
C&C Dist a: 4.50 ft	
Loc. from endwall: Any	
GCpl: 0.18	
Wind Duration: 1.60	

Snow Criteria (Pg. P in PSF)	
Pg: NA	Ct: NA
CE: NA	Ce: NA
Li: NA	Cs: NA
Snow Duration: NA	
Code / Misc Criteria	
Bldg Code: FBC 2017 RES	
TPI Std: 2014	
Rep Fac: No	
FT/RT: 20(0)/10(0)	
Plate Type(s):	
WAVE, HS	

Defic/CSI Criteria	
PP Deflection in Loc U/Def L/H	
VERT(L): 0.159 AV 999 240	
VERT(R): 0.322 AV 783 180	
HORZ(L): 0.152 AF -	
HORZ(R): 0.308 AF -	
Creep Factor: 2.0	
Max TC CSI: 0.887	
Max BC CSI: 0.988	
Max Web CSI: 0.962	

Maximum Reactions (lbs)					
Gravity			Non-Gravity		
Loc	R + / R -	/ Rh	/ Rw	/ U	/ RL
B 653	-	-	-	1/39	-
BA 2654	-	-	-	1/65	-
AS 2658	-	-	-	1/69	-
AO 1077	-	-	-	1/215	-
Wind reactions based on MMFRS					
B Big Width = 4.0				Min Req = 1.5	
BA Big Width = 4.0				Min Req = 1.8	
AS Big Width = 4.0				Min Req = 2.2	
AO Big Width = 4.0				Min Req = 1.5	

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

Purlins	
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.	
Wind	
Wind loads and reactions based on MMFRS.	

Additional Notes	
Refer to General Notes for additional information	
WARNING: Furnish a copy of the MMFRS to the contractor.	
Installation contractor. Special note: The contractor is responsible for the proper installation of the truss.	
See "WARNING" note on page 10.	
The overall height of this truss including decking is 11'-0".	

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

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

Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)	
TC: From 63 pft at -1.50 to 63 pft at 17.45	
TC: From 61 pft at 17.45 to 61 pft at 23.27	
TC: From 63 pft at 23.27 to 63 pft at 39.00	
TC: From 61 pft at 39.00 to 61 pft at 46.50	
BC: From 5 pft at -1.50 to 5 pft at 0.00	
BC: From 20 pft at 0.00 to 20 pft at 12.33	
BC: From 21 pft at 12.33 to 21 pft at 31.67	
BC: From 20 pft at 31.67 to 20 pft at 45.00	
BC: From 4 pft at 45.00 to 4 pft at 46.50	
TC: 380 lb Conc. Load at 7.03, 37.97	
TC: 179 lb Conc. Load at 9.06, 33.94, 35.94	
TC: 186 lb Conc. Load at 10.60, 32.06	
BC: 408 lb Conc. Load at 7.03, 37.97	
BC: 125 lb Conc. Load at 9.06, 33.94, 35.94	
BC: 127 lb Conc. Load at 10.60, 32.06	

Plating Notes

All plates are 2x4 except as noted.
(*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.



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Maximum Web Forces Per Ply (lbs)

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

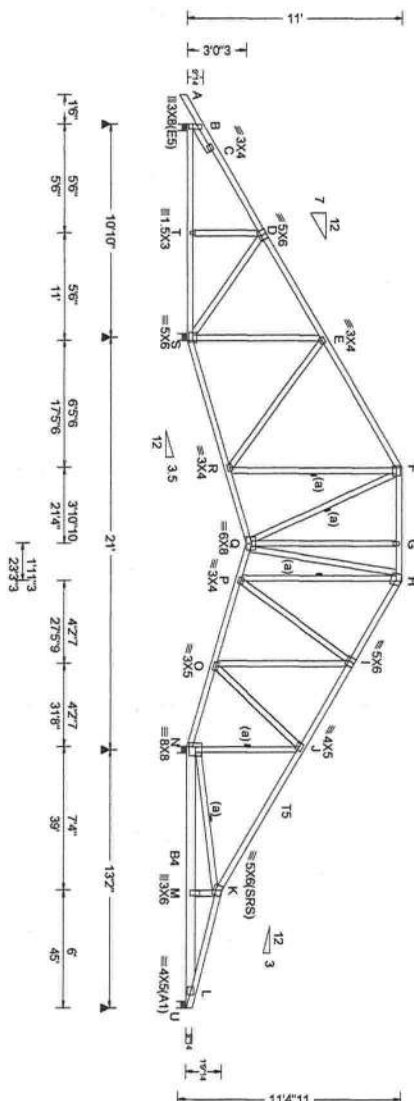
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AY-BH	154 - 579	BV-BW	273 - 1440
BH-BJ	341 - 1827	AS-BW	344 - 1584
BJ-BK	327 - 1801	AS-AI	306 - 1811
BK-BL	312 - 1746	AE-BW	207 - 891
BL-BM	331 - 1687	AE-AF	233 - 1085
BM-BN	300 - 1576	AI-AQ	1031 - 151
BN-BO	288 - 1560		



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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg.F in PSF)		DeflCSI Criteria	
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg: NA	Ct: NA	PP Deflection in Loc Udef	L#
TCDL:	10.00	Speed:	130 mph	Pf: NA	CAT: NA	VERT(L):	0.051 M 999 240
BCLL:	0.00	Enduse:	Closed	Lu: NA	Cs: NA	VERT(C):	0.103 M 999 180
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA	HORZ(L):	0.018 C -
Des Ld:	40.00	EXP: C	Kzt NA			HORZ(C):	0.037 C -
NCBCLL:	0.00	Mean Height:	15.00 ft	Code / Misc Criteria		Creep Factor:	2.0
Sofft:	2.00	TCDL:	5.0 psf	Bldg Code:	FBC 2017 RES	Max TC CSI:	0.673
Load Duration:	1.25	BCDL:	5.0 psf	TPI Std:	2014	Max BC CSI:	0.382
Spacing:	24.0"	MWFRS Parallel Dist:	0 to h/2	Rep Fac:	No	Max Web CSI:	0.896
		C&C Dist:	4.50 ft	FT/RT:	20(0)/10(0)		
		Loc. from endwall:	Any	Wave Type(s):			
		GCpl:	0.18				
		Wind Duration:	1.60				

Additional Notes		VIEW Ver: 18.02.01B.0321.08	
Refer to General Notes for additional information			
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.			
The overall height of this truss excluding overhang is 11-0-0.			

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

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

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

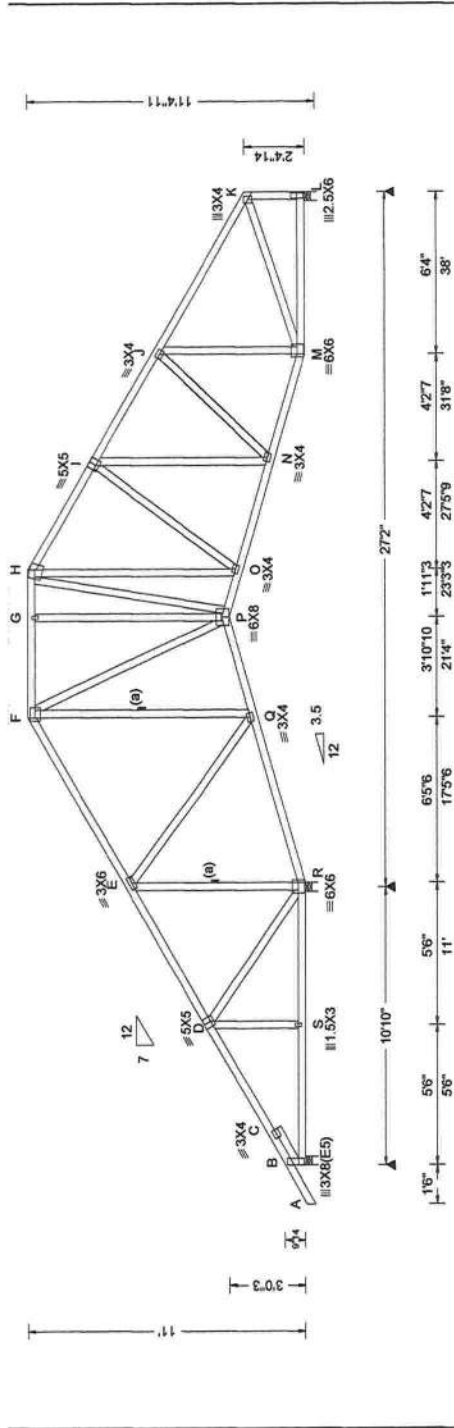
Purlins			
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.			
Wind			
Wind loads and reactions based on MWFRS.			



Maximum Reactions (lbs)			
Gravity		Non-Gravity	
Loc	R+ / R-	Rh	Rw / U / RL
B	417	-	-
S	1207	-	-
N	2457	-	-
U	691	-	-
Wind reactions based on MWFRS			
B	Big Width = 4.0	Min Req = 1.5	
S	Big Width = 4.0	Min Req = 1.5	
N	Big Width = 4.0	Min Req = 2.0	
U	Big Width = 4.0	Min Req = 1.5	
Bearings B, S, N, & U are a rigid surface.			
Members not listed have forces less than 375#			
Maximum Top Chord Forces Per Ply (lbs)			
Chords	Tens. Comp.	Chords	Tens. Comp.
I - J	531 - 101	K - L	173 - 908
J - K	1431 - 276		
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens. Comp.	Chords	Tens. Comp.
P - O	73 - 423	N - M	784 - 154
O - N	216 - 1214	M - L	867 - 160
Maximum Web Forces Per Ply (lbs)			
Webs	Tens. Comp.	Webs	Tens. Comp.
D - S	73 - 432	O - J	1090 - 195
E - S	219 - 781	N - J	384 - 1637
P - H	144 - 506	N - K	358 - 1954
P - I	606 - 114	K - M	843 - 60
I - O	227 - 938		

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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg.Pf in PSF)				Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL: 20.00	TCCL: 20.00	Wind Std: ASCE 7-10	Wind Speed: 130 mph	Pg: NA	Ct: NA	Cat: NA	Ce: NA	PP Deflection in loc L/defl	L#	Loc	R+	R-	Rh	Rw	I/U	RL
TCCL: 10.00	TCCL: 10.00	Enclosure: Closed	Risk Category: II	Pf: NA	Ct: NA	Cat: NA	Ce: NA	VERT(LL): 0.039	O	999	240					
BCCL: 0.00	BCCL: 0.00	EXP: C	Kzt: NA	Lr: NA	Cs: NA			VERT(CL): 0.082	O	999	180					
BCDL: 10.00	BCDL: 10.00	Mean Height: 15.00 ft		Snow Duration: NA				HORZ(LL): 0.022	L	-	-					
Des Ld: 40.00	NCBCLL: 0.00	TCCL: 5.0 psf		Code / Misc Criteria				HORZ(TL): 0.046	L	-	-					
Soffit: 2.00	Load Duration: 1.25	BCDL: 5.0 psf		Bldg Code: FBC 2017 RES				Creep Factor: 2.0								
Spacing: 24.0 "		MWFRS Parallel Dist: 0 to h/2		TPI Std: 2014				Max TC CSI: 0.601								
		C&C Dist at: 3.80 ft		Rep Fac: Yes				Max BC CSI: 0.326								
		Loc. from endwall: Any		FT/RT: 20(0)/10(0)				Max Web CSI: 0.406								
		GCpi: 0.18		Plate Type(s):												
		Wind Duration: 1.60		WAVE												
				VIEW Ver: 18.02.01B.0321.08				Maximum Top Chord Forces Per Ply (lbs)								
								Chords Tens.Comp. Chords Tens. Comp.								

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.646'

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

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

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

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

Maximum Bot Chord Forces Per Ply (lbs)	
Chords	Tens. Comp.
Q - P	507 - 36
P - O	830 - 57

Maximum Top Chord Forces Per Ply (lbs)	
Chords	Tens. Comp.
D - E	384 - 39
E - F	308 - 669
F - G	375 - 779
G - H	375 - 779

Maximum Web Forces Per Ply (lbs)	
Chords	Tens. Comp.
Q - P	507 - 36
P - O	830 - 57

Maximum Reactions (lbs)	
Loc	R+ / R- / Rh / Rw / I / U / RL
B	381 - / - / - / - / - / -
R	1844 - / - / - / - / - / -
L	1054 - / - / - / - / - / -

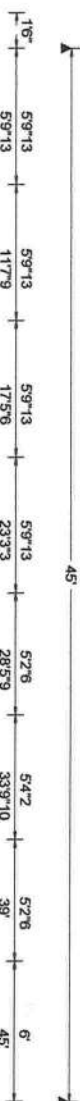
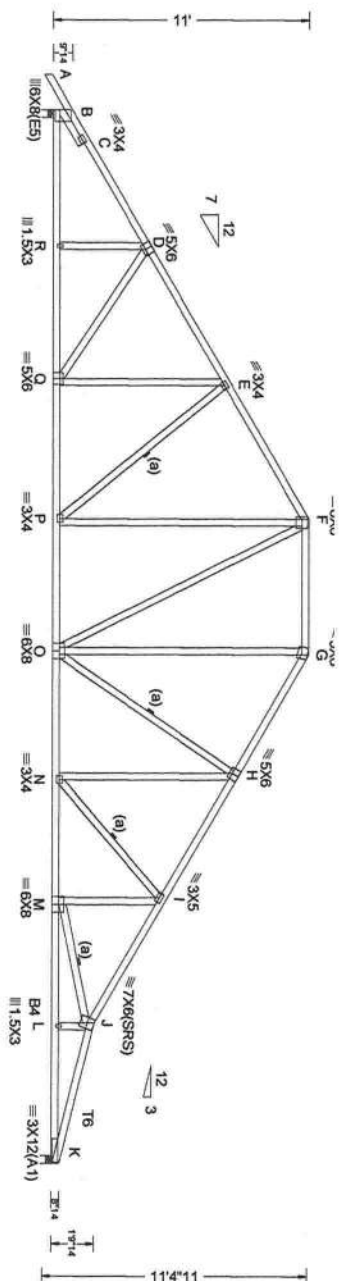
Maximum Bot Chord Forces Per Ply (lbs)	
Chords	Tens. Comp.
Q - P	507 - 36
P - O	830 - 57

Maximum Top Chord Forces Per Ply (lbs)	
Chords	Tens. Comp.
D - E	384 - 39
E - F	308 - 669
F - G	375 - 779
G - H	375 - 779



FL REC# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg 17 in PSF)		Defl/CSI Criteria		Maximum Reactions (lbs)	
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg: NA	Ct: NA	CAI: NA	VERT(L): 0.363 M	Loc R+ / R-	Gravity / Rth
TCDL:	10.00	Speed:	130 mph	Pt: NA	Ct: NA	CAI: NA	VERT(L): 0.363 M	1167 / 139	313
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		HORZ(L): 0.113 F	1854 / -	-
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(L): 0.232 F	-	-
Des Ld:	40.00	EXP: C	Kzt: NA				Creep Factor:	2.0	
NCBCLL:	0.00	Mean Height:	15.00 ft	Code / Misc Criteria			Max TC CSI:	0.660	
Softt:	2.00	TCDL:	5.0 psf	Bldg Code:	FBC 2017 RES		Max BC CSI:	0.856	
Load Duration:	1.25	MWFRS Parallel Dist:	0 to h/2	Rep Fac:	Yes		Max Web CSI:	0.634	
Spacing:	24.0"	C&C Dist:	4.50 ft	FT/RT:	20(0)/10(0)				
		Loc. from endwall:	Any	Plate Type(s):					
		GCpl:	0.18						
		Wind Duration:	1.60	VIEW	Ver: 18.02.01B.0321.08				

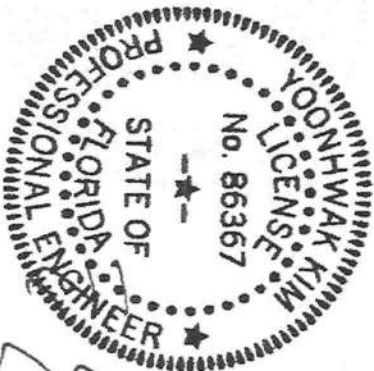
Lumber
 Top chord: 2x4 SP #2; T6 2x4 SP M-31;
 Bot chord: 2x4 SP #2; B4 2x4 SP M-31;
 Webs: 2x4 SP #3;
 Lt Slider: 2x4 SP #3; block length = 1.738'

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

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

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Uplifts based on an elevation at or above 1000 ft.

Additional Notes
 Refer to General Notes for additional information
 WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.
 The overall height of this truss excluding overhang is 11'-0-0.

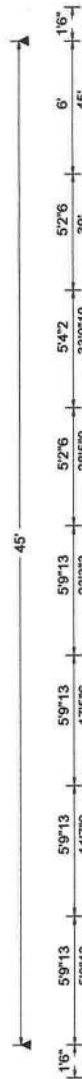


Maximum Bot Chord Forces Per Ply (lbs)

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

Maximum Web Forces Per Ply (lbs)

Webs	Tens. Comp.	Webs	Tens. Comp.
E-P	262 -570	H-N	885 -239
F-P	565 -186	N-I	479 -1179
O-G	794 -276	I-M	943 -324
O-H	431 -1032	M-J	1152 -2760



Defl/CSI Criteria	loc	L/defl	L/#
PP Deflection in	999	240	
VERT(LL): 0.364 N	725	180	
VERT(UL): 0.742 N	-	-	
HORZ(LL): 0.113 F	-	-	
HORZ(UL): 0.231 F	-	-	
Creep Factor: 2.0			
Max TC CSI: 0.748			
Max BC CSI: 0.859			
Max Web CSI: 0.623			

Loc	Gravity		/ Rh	/
	R+	R-		
B	1957	-	-	/
K	1953	-	-	/
Wind reactions based on MW/M				
B	Brg Width = 4.0		M	M
K	Brg Width = 4.0		M	M
Bearings B & K are a rigid support				
Members not listed have forced reactions				
Maximum Top Chord Forces				
Chords	Tens. Comp.			Chords

WAVEVIEW Ver: 18.02.01B.0321.08

HNHWAK

LICENSE
No. 86367

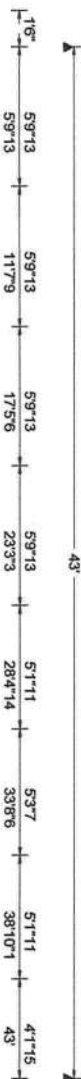
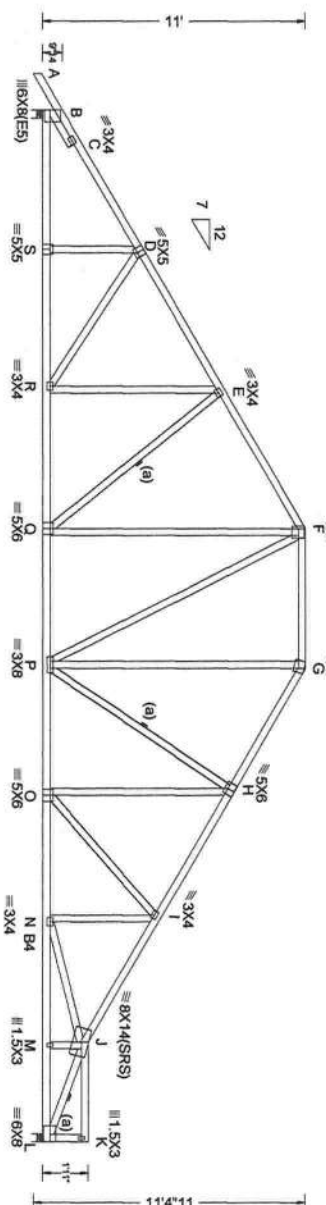
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STATE OF
FLORIDA
NATIONAL ENGINEER



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. P in PSF)		Def/CSI Criteria		Maximum Reactions (lbs)			
TCCL:	20.00	Wind Std:	ASCE 7-10	Pg. NA	Ce. NA	PP Deflection in loc L/dell	L/#	Loc. R+ / -	Gravity / Rh	Non-Gravity / U / RL	
TCDL:	10.00	Speed:	130 mph	Pt. NA	CAT: NA	VERT(ILL):	0.214 O	1891	-	1130 /325	1288
BCLL:	0.00	Enclosure:	Closed	Lt. NA	Cs: NA	VERT(ILL):	0.442 O	999	240		
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA	HORZ(ILL):	0.076 L	-	-	17004 /306	-
Des Ld:	40.00	EXP: C	Ket NA			HORZ(ILL):	0.158 L	-	-		
NCBCLL:	0.00	Mean Height:	15.00 ft			Creep Factor:	2.0				
Soffit:	2.00	TCDL:	5.0 psf			Max TC CSI:	0.553				
Load Duration:	1.25	BCDL:	5.0 psf			Max BC CSI:	0.709				
Spacing:	24.0 "	MWFRS Parallel Dist:	0 to h/2			Max Web CSI:	0.878				
		C&C Dist at:	4.30 ft								

Lumber		Bracing		Purlins		Wind		Additional Notes	
Top chord:	2x4 SP #2;	(a) Continuous lateral restraint equally spaced on member.		In lieu of structural panels use purlins to brace all flat TC @ 24" oc.		Wind loads based on MWFRS with additional C&C member design.		Refer to General Notes for additional information	
Bot chord:	2x4 SP #2; B4 2x4 SP M-31;					Uplifts based on an elevation at or above 1000 ft		The overall height of this truss excluding overhang is	
Webs:	2x4 SP #3;							11-0-0.	
Lt Slider:	2x4 SP #3; block length = 1.738'								

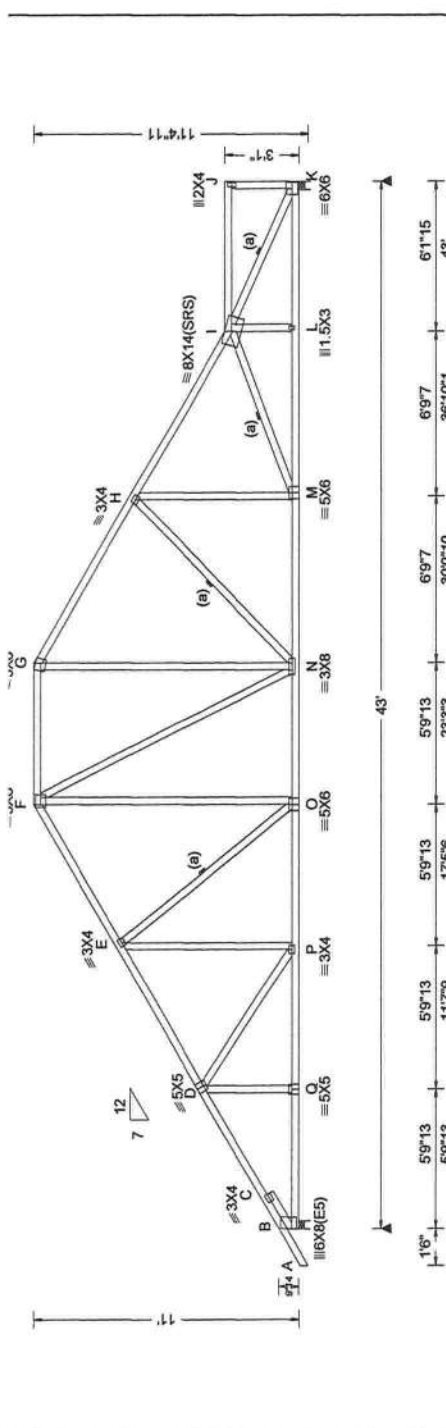
Maximum Bot Chord Forces Per Ply (lbs)		Maximum Web Forces Per Ply (lbs)	
Chords Tens. Comp.	Chords Tens. Comp.	Webs Tens. Comp.	Webs Tens. Comp.
B-S	2315 - 650	E-Q	262 - 574
S-R	2312 - 650	F-Q	566 - 187
R-Q	2102 - 526	P-G	700 - 231
Q-P	1747 - 364	P-H	330 - 822
		H-O	645 - 188

Maximum Top Chord Forces Per Ply (lbs)		Maximum Web Forces Per Ply (lbs)	
Chords Tens. Comp.	Chords Tens. Comp.	Webs Tens. Comp.	Webs Tens. Comp.
B-C	834 - 2852	E-Q	262 - 574
C-D	807 - 2794	F-Q	566 - 187
D-E	799 - 2525	P-G	700 - 231
E-F	761 - 2120	P-H	330 - 822
		H-O	645 - 188



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. P1 in PSF)		Defl/CSI Criteria		Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	Ce: NA	PP Deflection in loc L/defl	L/#	Loc	R+ / R- / Rh
TCCL: 10.00	Speed: 130 mph	Pf: NA	Ct: NA	Ce: NA		VERT(LL): 0.208 M	999 240	B	1891 /- /- /-
BCCL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA			VERT(CL): 0.429 M	999 180	K	1786 /- /- /-
BCCL: 10.00	Risk Category: II	Snow Duration: NA				HORZ(LL): 0.084 K	- - -	B	Wind reactions based on MWFRS
	EXP: C Kzt: NA					HORZ(TL): 0.174 K	- - -	K	Brg Width = 4.0 Min Req = 2.2
Des Ld: 40.00	Mean Height: 15.00 ft					Creep Factor: 2.0		B	Wind reactions based on MWFRS
NCBCLL: 0.00	TCCL: 5.0 psf					Max TC CSI: 0.953		K	Brg Width = 4.0 Min Req = 2.1
Soffit: 2.00	BCCL: 5.0 psf					Max BC CSI: 0.905		B	Bearings B & K are a rigid surface.
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2					Max Web CSI: 0.987			Members not listed have forces less than 375#
Spacing: 24.0"	C&C Dist a: 4.30 ft								Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: Any								Chords Tens. Comp. Chords Tens. Comp.
	GCpi: 0.18								B - C 830 -2852 F - G 715 -1804
	Wind Duration: 1.50								C - D 803 -2794 G - H 767 -2196
									D - E 796 -2525 H - I 879 -2940
									E - F 758 -2120

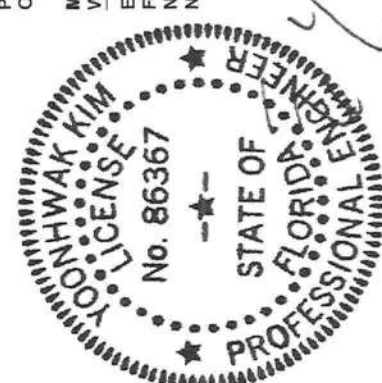
Lumber
 Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;
 Webs: 2x4 SP #3;
 Lt Slider: 2x4 SP #3; block length = 1.738'

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

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

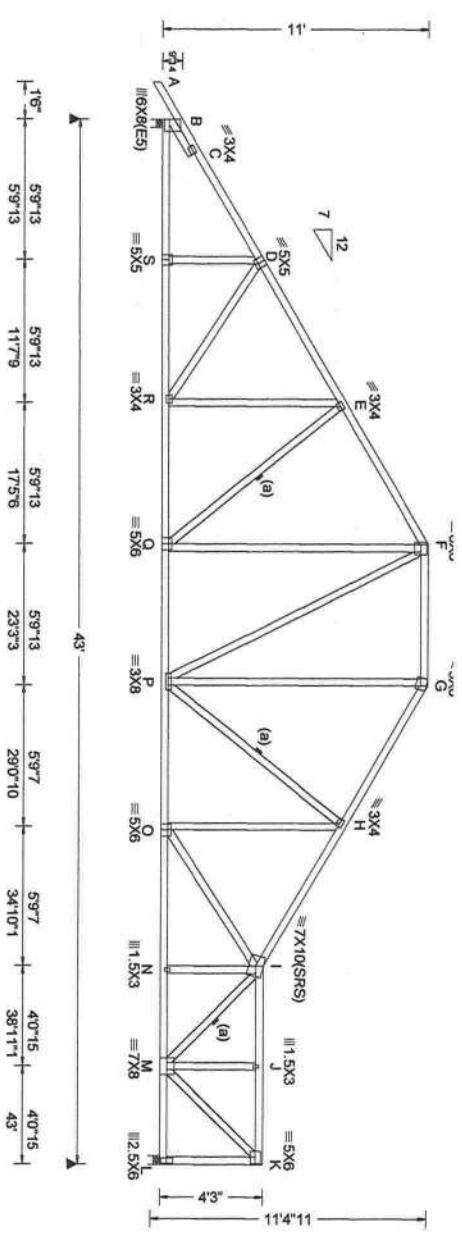
Wind
 Wind loads based on MWFRS with additional C&C member design.
 Right end vertical not exposed to wind pressure.
 Uplifts based on an elevation at or above 1000 ft.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
 03/18/2020

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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. P in PSF)		Defl/Cri Criteria		A Maximum Reactions (lbs)			
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg. NA	Ct NA	CAT: NA	PP Deflection in Loc L/Defl U#	Loc	R+ / R-	/ Rh	/ Rw / U / RL
TCDL:	10.00	Speed:	130 mph	PE NA			VERT(UL): 0.174 O	B	1891 /-	/-	1139 /322 /267
BCLL:	0.00	Enclosure:	Closed				VERT(UL): 0.360 O	L	1786 /-	/-	1946 /316 /-
BCDL:	10.00	Risk Category:	II	Lu: NA	Cs: NA		HORZ(UL): 0.071 L	Wind reactions based on MWFRS			
		EXP: C	Kzt NA				HORZ(TL): 0.146 L	B Big Width = 4.0			
Des Ld:	40.00	Mean Height:	15.00 ft				Creep Factor: 2.0	Min Req = 2.2			
NCBCLL:	0.00	TCDL:	5.0 psf				Max TC CSI: 0.553	Bearing B & L are a rigid surface.			
Soft:	2.00	BCDL:	5.0 psf				Max BC CSI: 0.760	Members not listed have forces less than 375#			
Load Duration:	1.25	MWFRS Parallel Dist:	0 to h/2				Max Web CSI: 0.896	Maximum Top Chord Forces Per Ply (lbs)			
Spacing:	24.0 "	C&C Dist at:	4.30 ft					Chords Tens. Comp.			
		Loc. from endwall:	Any					Chords Tens. Comp.			
		GCpt:	0.18					Chords Tens. Comp.			
		Wind Duration:	1.60					Chords Tens. Comp.			
		Wave Type(s):	WAVE					Chords Tens. Comp.			
		VIEW Ver:	18.02.01B.0321.08					Chords Tens. Comp.			

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

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

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

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

Right end vertical not exposed to wind pressure.
 Uplifts based on an elevation at or above 1000 ft.

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

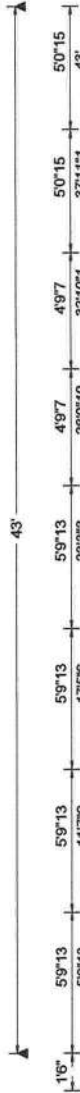


Maximum Bot Chord Forces Per Ply (lbs)

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

Maximum Web Forces Per Ply (lbs)

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



Lt Slider: 2x4 SP #3: block length = 1.738'

(a) Continuous lateral restraint equally spaced on member.

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

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

Uplifts based on an elevation at or above 1000 ft.

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

Maximum Bot Chord Forces Per Ply (lbs)

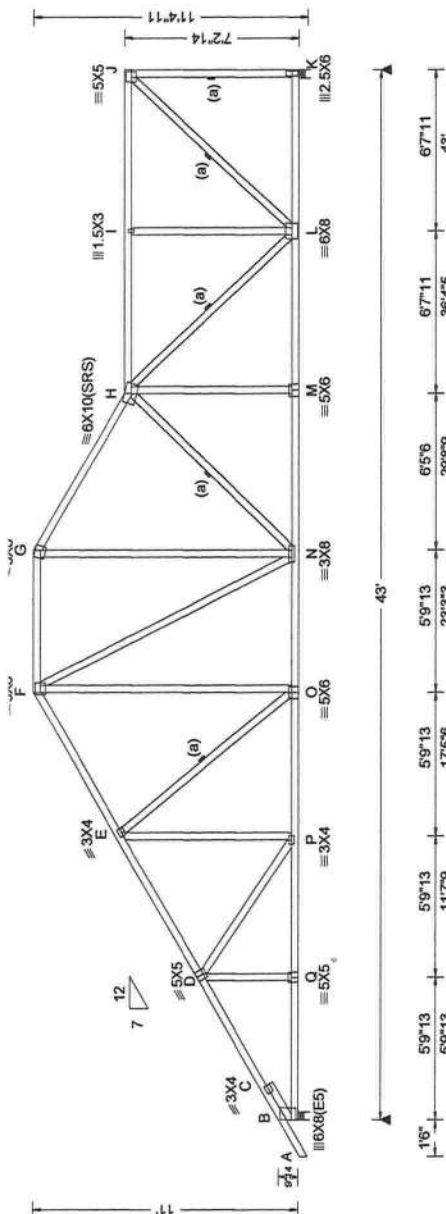
Source	df	Sum of Squares	Mean Square	F	Prob > F	Partial η^2
Between Subjects	1	10.000	10.000	1.00	.32	.00
Within Subjects	10	10.000	1.000			
Corrected Total	11	20.000				

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



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (P_g, P_f in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist at: 4.30 ft Loc. from endwall: Any GCpt: 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 Sid: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.154 O 999 240 VERT(CL): 0.319 O 999 180 HORZ(LL): 0.061 L - - HORZ(TL): 0.127 L - - Creep Factor: 2.0 Max TC CSI: 0.799 Max BC CSI: 0.709 Max Web CSI: 0.826 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1891 /- /- /1159 /313 /242 K 1786 /- /- /927 /333 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.2 K Brg Width = 4.0 Min Req = 2.1 Bearings B & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
Lumber Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x4 SP #3; block length = 1.738'				Non-Gravity B - C 807 - 2852 F - G 695 - 1805 C - D 781 - 2794 G - H 739 - 2181 D - E 776 - 2525 H - I 483 - 1498 E - F 739 - 2120 I - J 483 - 1498
Bracing (a) Continuous lateral restraint equally spaced on member.				Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - Q 2315 - 827 O - N 1746 - 544 Q - P 2312 - 828 N - M 2395 - 766 P - O 2102 - 705 M - L 2398 - 766

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

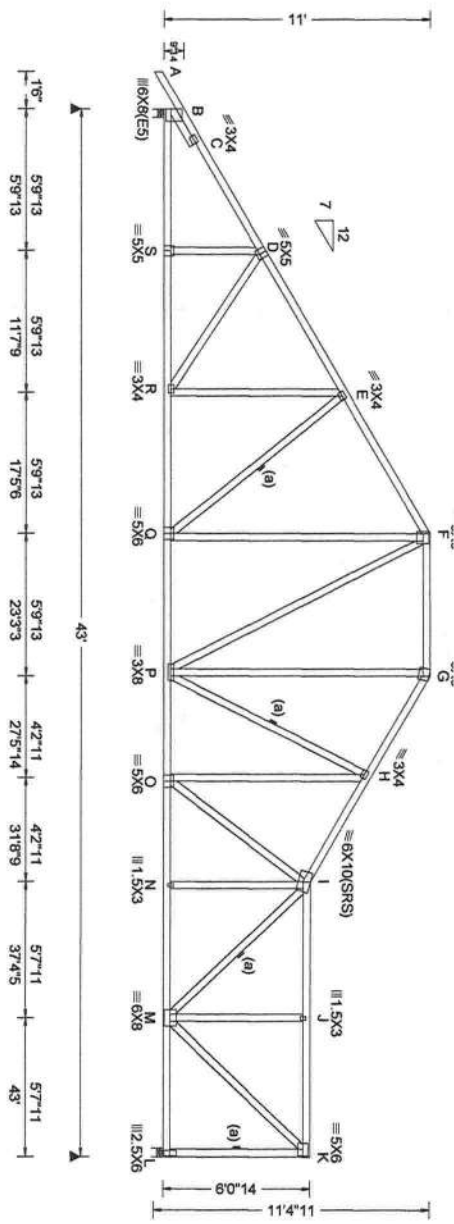
Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Uplifts based on an elevation at or above 1000 ft.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg, Pf in psf)		Def/CsI Criteria	
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg: NA	Ct: NA	PP Deflection in loc U/def	L/#
TCDL:	10.00	Speed:	130 mph	Pf: NA	Cat: NA	VERT(L):	0.164 O 999 240
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA	HORZ(L):	0.064 O 999 180
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA	HORZ(T/L):	0.132 M -
Des Ld:	40.00	EXP: C	Kzt: NA	Code / Misc Criteria		Creep Factor:	2.0
NCBCLL:	0.00	Mean Height:	15.00 ft	Bldg Code:	FBC 2017 RES	Max TC CSI:	0.597
Soft:	2.00	TCDL:	5.0 psf	TPI Std:	2014	Max BC CSI:	0.709
Load Duration:	1.25	MMFRRS Parallel Dist:	0 to h/2	Rep Fac:	Yes	Max Web CSI:	0.852
Spacing:	24.0"	C&C Dist:	4.30 ft	FT/RT:	20(0)/10(0)		
		Loc. from endwall:	Any	Plate Type(s):			
		GCpl:	0.18				
		Wind Duration:	1.60	VIEW	Ver: 18.02 01B.0321.08		

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

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

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

Wind
 Wind loads based on MMFRRS with additional C&C member design.
 Right end vertical not exposed to wind pressure.
 Uplifts based on an elevation at or above 1000 ft.

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



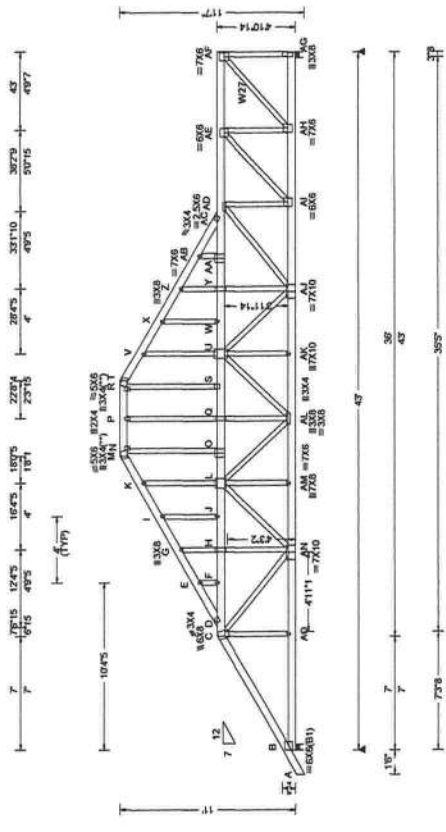
Maximum Top Chord Forces Per Ply (lbs)

Loc	R+	/R-	/Rh	/Rw	/U	/RL
B	1891	-	-	1150	1317	1252
L	1786	-	-	916	1326	-

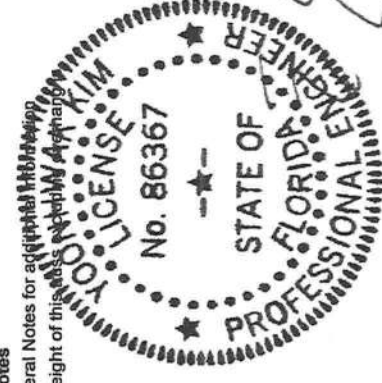
B	1891	-	-	1150	1317	1252
L	1786	-	-	916	1326	-

B	1891	-	-	1150	1317	1252
L	1786	-	-	916	1326	-

B	1891	-	-	1150	1317	1252
L	1786	-	-	916	1326	-

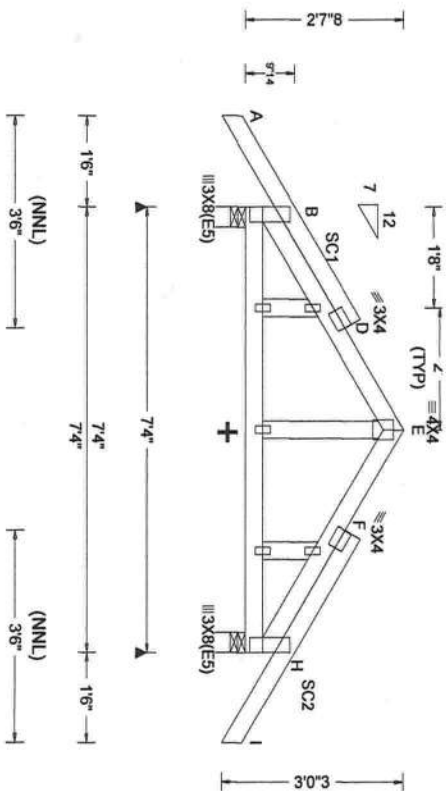


Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. Pf in PSF)		Defl/CSI Criteria		Maximum Reactions (lbs)			
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/R-	/Rh
TCDL:	10.00	Speed:	130 mph	Pf: NA	Ce: NA		VERT(LL): 0.188 X 999 240	B	4917	-	-
BCLL:	0.00	Enclosure:	Closed	Lr: NA	Cs: NA		VERT(UL): 0.381 X 999 180	AG	5182	-	-
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL): 0.056 AH -				
		EXP: C	Kzt: NA				HORZ(UL): 0.113 AH -				
Des Ld:	40.00	Mean Height:	15.00 ft	Code / Misc Criteria			Creep Factor:	2.0			
NCBCLL:	0.00	TCDL:	5.0 psf	Bldg Code:	FBC 2017 RES		Max TC CSI:	0.487			
Soffit:	2.00	BCDL:	5.0 psf	TPI Std:	2014		Max BC CSI:	0.531			
Load Duration:	1.25	MWFRS Parallel Dist:	0 to h/2	Rep Fac:	No		Max Web CSI:	0.962			
Spacing:	24.0"	C&C Dist a:	4.30 ft	FT/RT:	20(0)/10(0)						
		Loc. from endwall:	NA	Plate Type(s):	WAVE						
		GCpi:	0.18								
		Wind Duration:	1.50								
Lumber				Purlins				Maximum Reactions (lbs)			
Top chord: 2x6 SP 2400f-2.0E;				In lieu of structural panels use purlins to brace all flat				Gravity			
Bot chord: 2x6 SP 2400f-2.0E;				TC @ 24" oc.				Non-Gravity			
Webs: 2x4 SP #3; W27 2x4 SP #2;				Wind				Chords			
Nailnote				Wind loads and reactions based on MWFRS.				Tens. Comp.			
Nail Schedule: 0.131"x3", min. nails				Right end vertical not exposed to wind pressure.				Tens. Comp.			
Top Chord: 1 Row @ 12.00" o.c.				Additional Notes				Chords			
Bot Chord: 1 Row @ 12.00" o.c.				Refer to General Notes for additional information				Tens. Comp.			
Webs: 1 Row @ 4" o.c.				The overall height of this truss is 10'-0".				Tens. Comp.			
Use equal spacing between rows and stagger nails				Maximum Bot Chord Forces Per Ply (lbs)				Chords			
In each row to avoid splitting.				Maximum Web Forces Per Ply (lbs)				Webs			
Special Loads				Plating Notes				Tens. Comp.			
(Lumber Dur. Fac.=1.25 / Plate Dur. Fac.=1.25)				All plates are 1.5X3 except as noted.				Tens. Comp.			
TC: From 63 plf at -1.50 to 63 plf at 43.00				(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.				Tens. Comp.			
BC: From 5 plf at -1.50 to 5 plf at 0.00								Tens. Comp.			
BC: From 20 plf at 0.00 to 20 plf at 43.00								Tens. Comp.			
TC: 303 lb Conc. Load at 7.03								Tens. Comp.			
TC: 198 lb Conc. Load at 9.06, 11.06, 13.06, 15.06								Tens. Comp.			
17.06, 19.06, 21.06, 23.06, 25.06, 27.06, 29.06, 31.06								Tens. Comp.			
33.06, 35.06, 37.06, 39.06, 41.06								Tens. Comp.			
BC: 486 lb Conc. Load at 7.03								Tens. Comp.			
BC: 134 lb Conc. Load at 9.06, 11.06, 13.06, 15.06								Tens. Comp.			
17.06, 19.06, 21.06, 23.06, 25.06, 27.06, 29.06, 31.06								Tens. Comp.			
33.06, 35.06, 37.06, 39.06, 41.06								Tens. Comp.			



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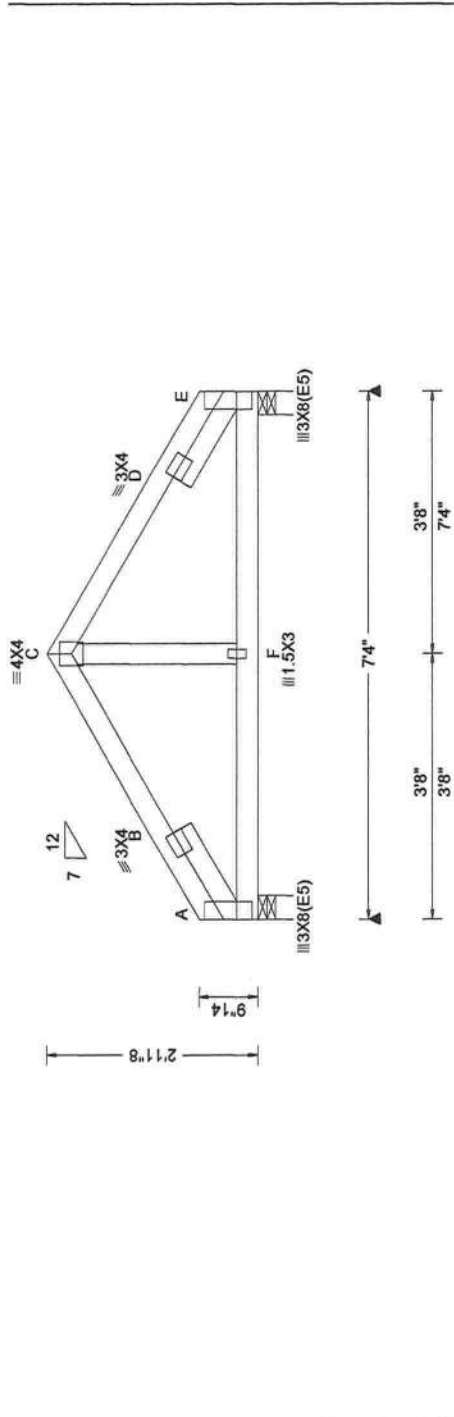


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. P in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCCL: 10.00 Des Ld: 40.00 NCBCCL: 10.00 Soft: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCCL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCPI: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in Loc L/Defl L/# VERT(L): 0.006 D 999 240 VERT(CL): 0.012 D 999 180 HORZ(L): 0.003 D - - HORZ(TL): 0.005 D - - Creep Factor: 2.0 Max TC CSI: 0.179 Max BC CSI: 0.138 Max Web CSI: 0.035	Gravity Loc R+ / R- / Rh / Rw / U / RL B 407 /- /- /265 /71 /97 H 407 /- /- /189 /71 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 H Brg Width = 4.0 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375#
Lumber Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 2x4 SP #2;	Wind Wind loads based on MWFRS with additional C&C member design.	Plating Notes All plates are 1.5X3 except as noted.	Loading Gable end supports 8" max rake overhang. Top chord must not be cut or notched.	Wind Wind loads based on MWFRS with additional C&C member design.
Additional Notes Refer to General Notes for additional information See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements. Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6. The overall height of this truss excluding overhang is 2'-7-8".	Member to be laterally braced for out of plane wind loads	Member to be laterally braced for out of plane wind loads	Member to be laterally braced for out of plane wind loads	Member to be laterally braced for out of plane wind loads



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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 Defl in loc L/defl	Loc	R+	R-	Rh
TCCL:	10.00	Speed:	130 mph	Pf: NA	Ce: NA		VERT(LL): 0.007 D	A	305	-	-
BCCL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL): 0.015 D	E	305	-	-
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL): 0.005 B	Wind reactions based on MWFRS			
Des Ld:	40.00	EXP: C	Kzt: NA				HORZ(TL): 0.010 B	A Brg Width = 4.0 Min Req = 1.5			
NCBCL:	10.00	Mean Height:	15.00 ft	Code / Misc Criteria			Creep Factor:	Brg Width = 4.0 Min Req = 1.5			
Soffit:	2.00	TCCL:	5.0 psf	Bldg Code:	FBC 2017 RES		Max TC CSI:	Bearings A & E are a rigid surface.			
Load Duration:	1.25	BCCL:	5.0 psf	TPI Std:	2014		Max BC CSI:	Members not listed have forces less than 375#			
Spacing:	24.0 "	MWFRS Parallel Dist:	0 to h/2	Rep Fac:	Yes		Max Web CSI:				
		C&C Dist a:	3.00 ft	FT/RT:	20(0)/10(0)						
		Loc. from endwall:	Any	Plate Type(s):							
		GCpi:	0.18	WAVE							
		Wind Duration:	1.60								

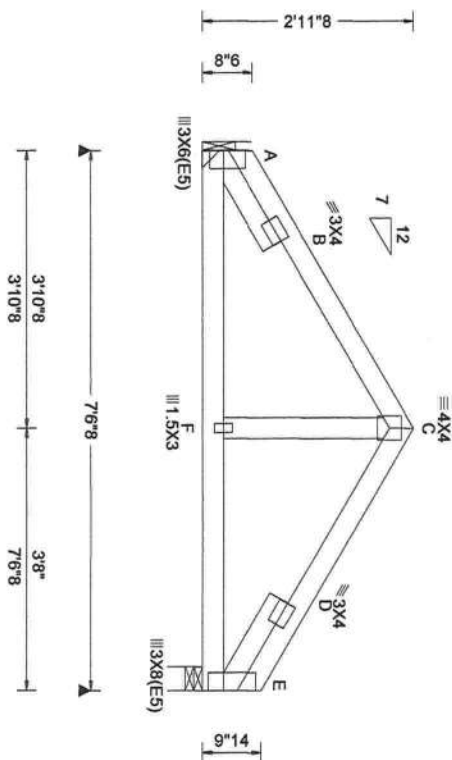
Lumber
 Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;
 Webs: 2x4 SP #3;
 Lt Slider: 2x4 SP #3; block length = 1.500'
 Rt Slider: 2x4 SP #3; block length = 1.500'

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

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



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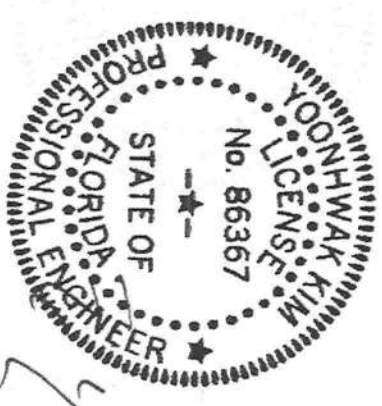


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. P in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Loc	R+ / R-	Rh	Non-Gravity
TCDL: 10.00	Speed: 130 mph	PE: NA Ce: NA	VERT(L): 0.012 B 999 240	A 314	- / -	- / -	/ Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.025 B 999 180	E 314	- / -	- / -	/ 176 / 50 / -
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(L): 0.008 B - -	Wind reactions based on MWFRS			
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.016 B - -	A Big Width = -			
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Min Req = 1.5			
Soft: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.172	Bearing E is a rigid surface.			
Load Duration: 1.25	MMFRS Parallel Dist: 0 to h/2		Max BC CSI: 0.164	Members not listed have forces less than 375#			
Spacing: 24.0 "	C&C Dist a: 3.00 ft		Max Web CSI: 0.109	Maximum Top Chord Forces Per Ply (lbs)			
	Loc. from endwall: not in 4.50 ft			Chords	Tens. Comp.	Chords	Tens. Comp.
	GCpl: 0.18			A - B	215 -457	D - E	126 -383
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.08				

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

Hangers / Ties
 Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.
 Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.
 Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.
 Bearing at location x=0' uses the following support conditions: 0'
 Bearing A (0'.9') LUS26
 Supporting Member: (1)2x6 SP 2400F-2.0E into supporting member.
 member.

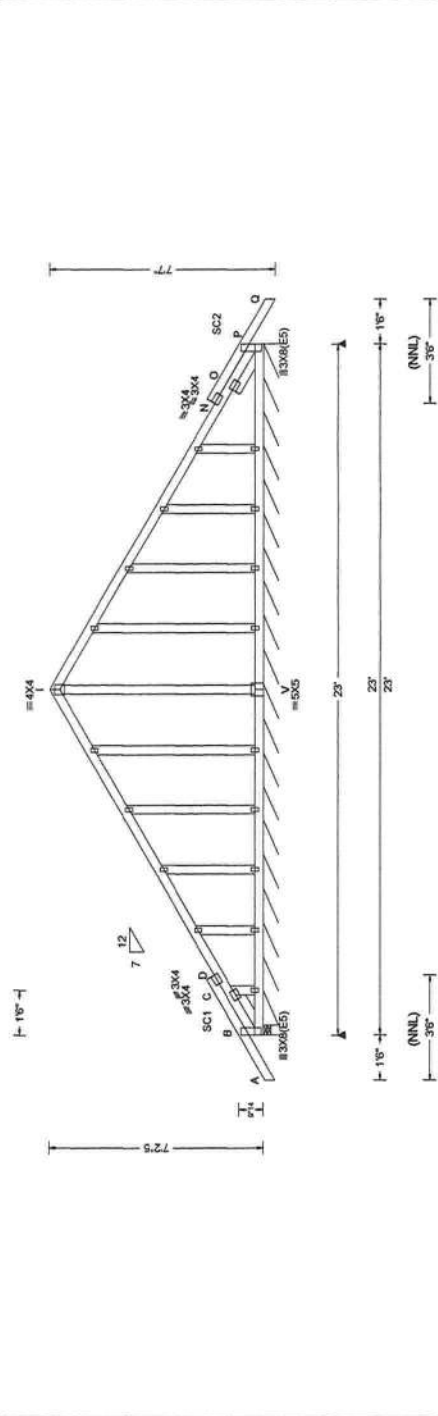
Wind
 Wind loads based on MWFRS with additional C&C member design.



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

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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. P in PSF)		Defl/CSI Criteria		Maximum Reactions (lbs), or *PLF	
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg: NA	Ct: NA	PP Deflection in	loc L/defl	Loc	R+ / R-
TCCL:	10.00	Speed:	130 mph	Pf: NA	Ce: NA	VERT(LL):	0.005 N	B	226 / -
BCCL:	0.00	Endure:	Closed	Lu: NA	Cs: NA	VERT(CL):	0.010 N	P*	83 / -
BCCL:	10.00	Risk Category:	II	Snow Duration:	NA	HORZ(LL):	0.004 N	Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 P Brg Width = 272 Min Req = - Bearings B & B are a rigid surface. Members not listed have forces less than 375#	
Des Ld:	40.00	EXP: C	Kzt: NA	Code / Misc Criteria		HORZ(TL):	0.005 N		
NCBCLL:	10.00	Mean Height:	15.00 ft	Bldg Code:	FBC 2017 RES	Creep Factor:	2.0		
Soffit:	2.00	TCCL:	5.0 psf	TPI Std:	2014	Max TC CSI:	0.198		
Load Duration:	1.25	BCCL:	5.0 psf	Rep Fac:	Yes	Max BC CSI:	0.099	VIEW Ver: 18.02.01B.0321.08	
Spacing:	24.0"	MWFRS Parallel Dist:	0 to h/2	FT/RT:	20(0)/10(0)	Max Web CSI:	0.115		
		C&C Dist a:	3.00 ft	Plate Type(s):	WAVE				
		Loc. from endwall:	Any						
		GCpi:	0.18						
		Wind Duration:	1.60						

Lumber
 Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;
 Webs: 2x4 SP #3;
 Stack Chord: SC1 2x4 SP #2;
 Stack Chord: SC2 2x4 SP #2;
 Lt Slider: 2x4 SP #3; block length = 1.279'
 Rt Slider: 2x4 SP #3; block length = 1.500'

Plating Notes
 All plates are 1.5X3 except as noted.

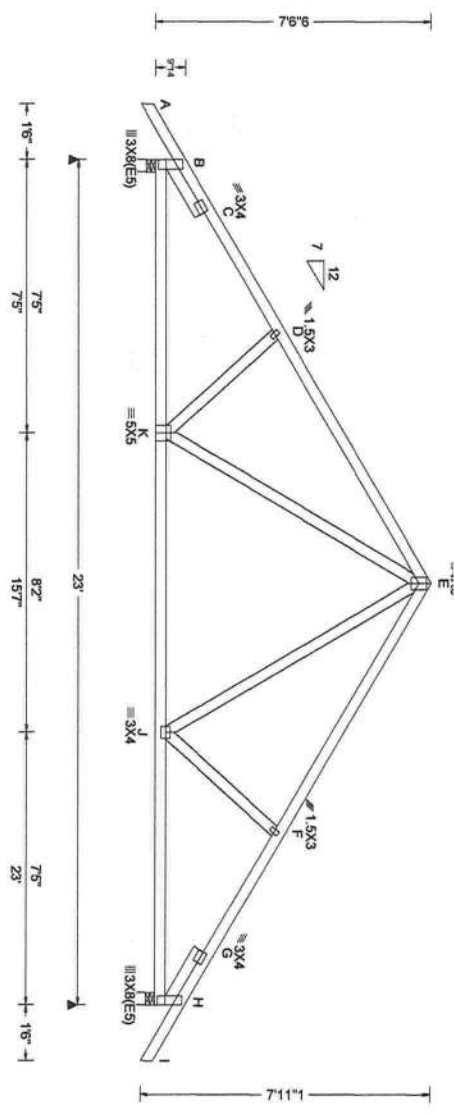
Wind
 Wind loads based on MWFRS with additional C&C member design.

Additional Notes
 Refer to General Notes for additional information
 See DWGS A14015ENC101014 & GBLLETN0118 for gable wind bracing and other requirements.
 Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6. The overall height of this truss excluding overhang is 7'-2.5".



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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg.1 in PSF)		Defic/CSI Criteria		▲ Maximum Reactions (lbs)			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/den L/#	Gravity	Non-Gravity	Loc	R+ / Rh	/ Rw	/ U / RL
TCDL: 10.00	Speed: 130 mph	Pt: NA	Ce: NA		VERT(L): 0.054 J 999 240	H 1133 /- /- /633 /183 /216					
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(C): 0.102 J 999 180	H 1133 /- /- /633 /183 /-					
BCDL: 10.00	Risk Category: II	EXP: C Kzt: NA	Snow Duration: NA		HORZ(L): 0.030 G - -	Wind reactions based on MWFRS					
Des Ld: 40.00	Mean Height: 15.00 ft				HORZ(T): 0.057 G - -						
NCBCL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria				Creep Factor: 2.0	B Big Width = 4.0 Min Req = 1.5				
Soft: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES				Max TC CSI: 0.532	H Big Width = 4.0 Min Req = 1.5				
Load Duration: 1.25	MMWFRS Parallel Dist 0 to h/2	TPI Std: 2014				Max BC CSI: 0.754	Bearings B & H are a rigid surface.				
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes				Max Web CSI: 0.179	Members not listed have forces less than 375#				
	Loc. from endwall: Any	FT/RT:20(0)/10(0)				Maximum Top Chord Forces Per Ply (lbs)					
	GCpi: 0.18	Plate Type(s):				Chords Tens.Comp. Chords Tens.Comp.					
	Wind Duration: 1.50	WAVE				VIEW Ver: 18.02.01B.0321.08					
						B - C 435 -1611 E - F 416 -1372					
						C - D 408 -1517 E - G 407 -1520					

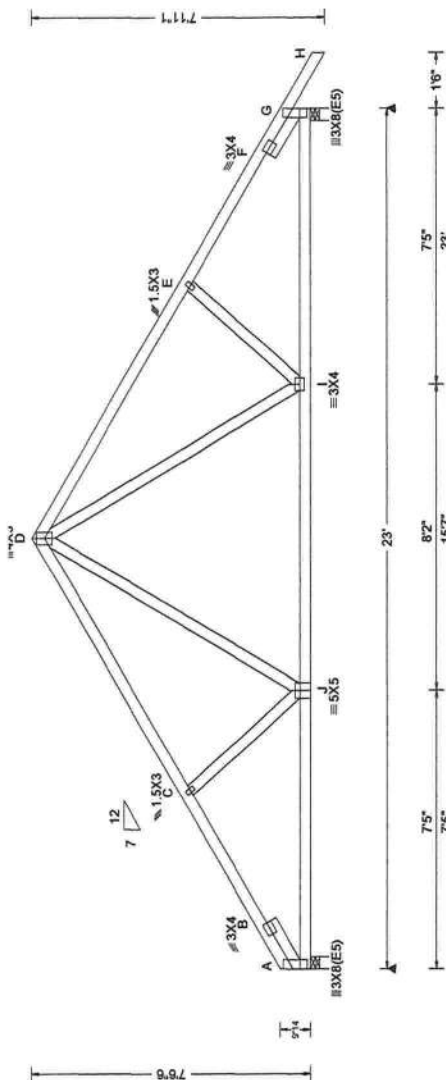
Lumber
 Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;
 Webs: 2x4 SP #3;
 Lt Slider: 2x4 SP #3; block length = 1.761'
 Rt Slider: 2x4 SP #3; block length = 1.761'

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

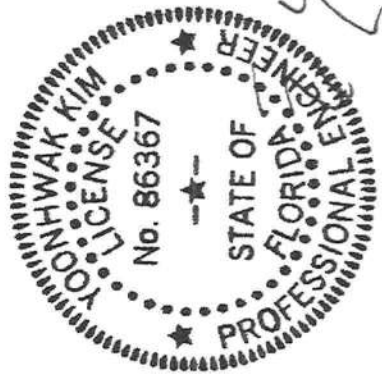
Wind
 Wind loads based on MMFRS with additional C&C member design.

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



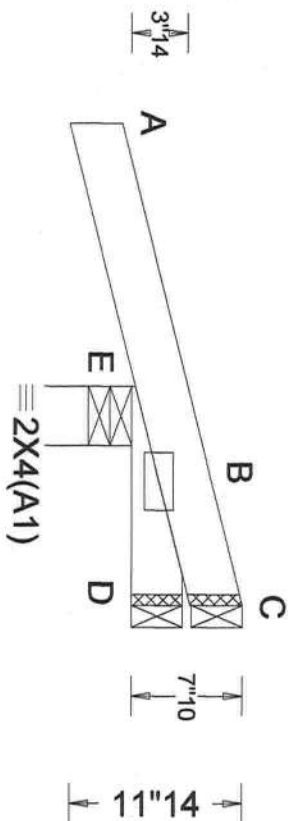


Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. Pf in PSF)		Defl/CSI Criteria		Maximum Reactions (lbs)			
TCLL: 20.00		Wind Std: ASCE 7-10		Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	R-	Rh
TCDL: 10.00		Speed: 130 mph		Pf: NA	Ce: NA		VERT(LL): 0.054 I 999 240	A	1028	-	-
BCLL: 0.00		Enclosure: Closed		Lu: NA	Cs: NA		VERT(CL): 0.104 I 999 180	G	1137	-	-
BCDL: 10.00		Risk Category: II		Snow Duration: NA			HORZ(LL): 0.031 F - -	Wind reactions based on MWFRS			
Des Ld: 40.00		EXP: C Kzt: NA		Code / Misc Criteria			HORZ(TL): 0.060 F - -	A	Brig Width = 4.0	Min Req = 1.5	1/199
NCBCLL: 10.00		Mean Height: 15.00 ft				Creep Factor: 2.0		G	Brig Width = 4.0	Min Req = 1.5	1/18
Soffit: 2.00		TCDL: 5.0 psf				Max TC CSI: 0.530		Members not listed have forces less than 375#			
Load Duration: 1.25		BCDL: 5.0 psf				Max BC CSI: 0.751		Maximum Top Chord Forces Per Ply (lbs)			
Spacing: 24.0 "		MWFRS Parallel Dist: h to 2h				Max Web CSI: 0.183		Chords	Tens. Comp.	Chords	Tens. Comp.
		C&C Dist a: 3.00 ft		FT/RT: 20(0)/10(0)				A-B	315	-1657	D-E 321 -1378
		Loc. from endwall: not in 9.00 ft		Plate Type(s):				B-C	321	-1543	E-F 305 -1533
		GCpi: 0.18		WAVE				C-D	337	-1385	F-G 338 -1623
		Wind Duration: 1.60						Maximum Bot Chord Forces Per Ply (lbs)			
Lumber Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x4 SP #3; block length = 1,500' Rt Slider: 2x4 SP #3; block length = 1,500'								Chords	Tens. Comp.	Chords	Tens. Comp.
								A-J	1275	-192	I-G 1260 -186
								J-I	873	-48	
								Maximum Web Forces Per Ply (lbs)			
Loading Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.								Webs	Tens. Comp.	Webs	Tens. Comp.
								J-D	481	-97	D-I 469 -90
Wind Wind loads based on MWFRS with additional C&C member design.											
Additional Notes Refer to General Notes for additional information The overall height of this truss excluding overhang is 7'-6".											



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1'3"
1'3"
1'6"
1'3"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCCL: 10.00 BCCL: 0.00 BCCL: 10.00 Des Ld: 40.00 NCBCL: 10.00 Sofft: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCCL: 5.0 psf MWFRS Parallel Dist 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpf: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lr: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in: loc Ldef L/# VERT(L): NA HORIZ(L): 0.000 D HORIZ(TL): 0.000 D Creep Factor: 2.0 Max TC CSI: 0.255 Max BC CSI: 0.034 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity / R- / Rh / Rw / U / RL E 233 /- /- /139 /111 /26 D 5 /-15 /- /24 /15 /- C - /-20 /- /25 /18 /- Wind reactions based on MWFRS E Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

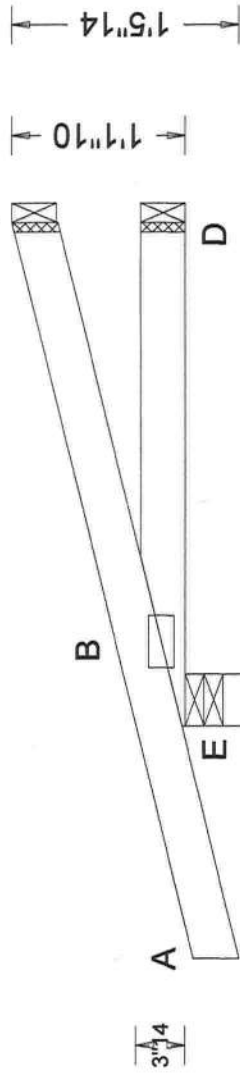
Additional Notes

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



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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#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	Non-Gravity Members not listed have forces less than 375#						
TCDL:	10.00	Speed: 130 mph		Pf: NA	Ce: NA		VERT(LL):	NA		E	262	-	-	-	149	88			37				
BCLL:	0.00	Enclosure: Closed		Lu: NA	Cs: NA		VERT(CL):	NA		D	51	-	-	-	38	1			-				
BCDL:	10.00	Risk Category: II		Snow Duration: NA			HORZ(TL):	0.001 D	-	C	67	-	-	-	23	20			-				
EXP: C Kzt: NA				Creep Factor: 2.0							Wind reactions based on MWFRS												
Mean Height: 15.00 ft				Max TC CSI: 0.287							E Brg Width = 4.0 Min Req = 1.5												
TCDL: 5.0 psf				Bldg Code: FBC 2017 RES				D Brg Width = 1.5 Min Req = -															
BCDL: 5.0 psf				TPI Std: 2014				C Brg Width = 1.5 Min Req = -															
MWFRS Parallel Dist: 0 to h/2				Rep Fac: Yes				Bearing E is a rigid surface.															
C&C Dist a: 3.00 ft				FT/RT:20(0)/10(0)				Members not listed have forces less than 375#															
Loc. from endwall: Any				Plate Type(s):																			
Wind Duration: 1.60				WAVE				VIEW Ver: 18.02.01B.0321.08															
GCpi: 0.18																							
Wind Duration: 1.60																							

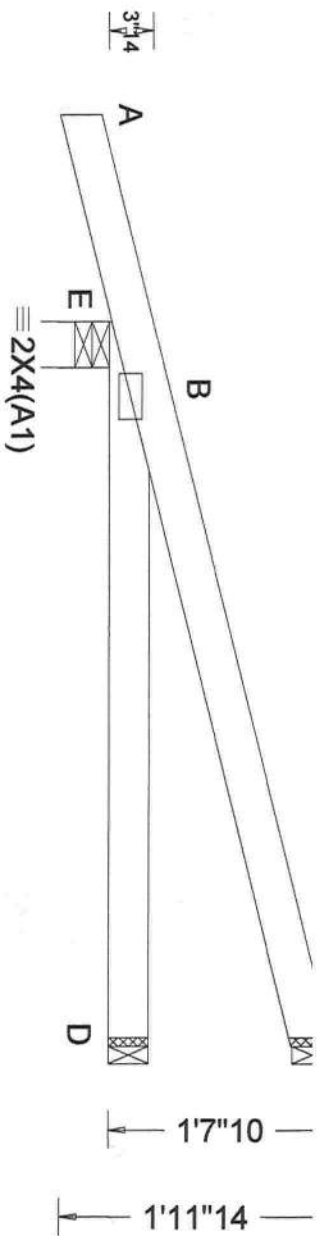
Wind
Wind loads based on MWFRS with additional C&C member design.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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5'3" 5'3" 16" 5'3"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Def/CSI Criteria	A Maximum Reactions (lbs)
TCCL: 20.00 TCCL: 10.00 BCCL: 0.00 BCCL: 10.00 Des Ld: 40.00 NCBCCL: 10.00 Soft: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCCL: 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 Ce: NA CAT: NA Pf: NA Ce: NA Lr: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in: NA VERT(LL): NA VERT(UL): NA HORIZ(LL): 0.005 D HORIZ(TL): 0.010 D Creep Factor: 2.0 Max TC CSI: 0.317 Max BC CSI: 0.256 Max Web CSI: 0.000 VIEW Ver: 18.02.018.0321.08	Gravity / Rh / Rw / U / RL Loc R+ / R- / Rh / Rw / U / RL E 332 /- /- /184 /90 /49 D 91 /- /- /61 /- /- C 129 /- /- /40 /39 /- Wind reactions based on MWFRS E Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

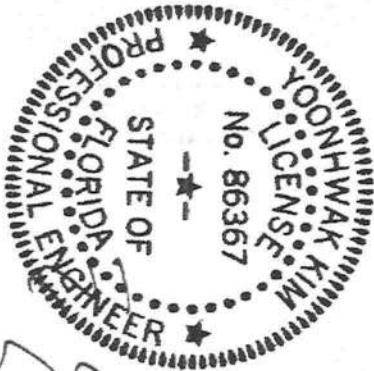
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

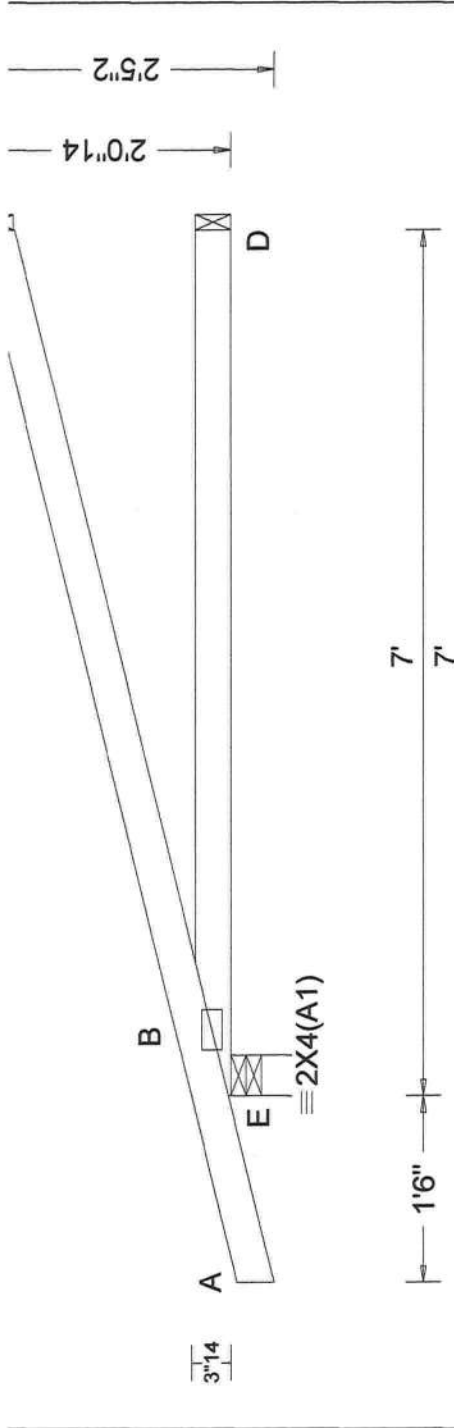
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 1-7-10.



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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/def	L#	Loc	R+	R-	/Rh	/RW	/U	/RL	Non-Gravity
TCDL:	10.00	Speed:	130 mph	Pf: NA	Ce: NA		VERT(LL):	NA			E	398	-	-	/218	/95	/61	
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(UL):	NA			D	125	-	-	/84	-	-	
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(TL):	0.015	D	-	C	179	-	-	/54	/55	-	
Des Ld:	40.00	EXP: C	Kzt: NA				HORZ(UL):	0.029	D	-	Wind reactions based on MWFRS							
NCBCLL:	10.00	Mean Height:	15.00 ft				Creep Factor:	2.0			E	Brg Width = 4.0 Min Req = 1.5						
Soffit:	2.00	TCDL:	5.0 psf				Max TC CSI:	0.654			D	Brg Width = 1.5 Min Req = -						
Load Duration:	1.25	BCDL:	5.0 psf				Max BC CSI:	0.483			C	Brg Width = 1.5 Min Req = -						
Spacing:	24.0 "	MWFRS Parallel Dist:	h/2 to h				Max Web CSI:	0.000			Bearing E is a rigid surface.							
			C&C Dist a:	3.00 ft			FT/RT:	20(0)/10(0)			Members not listed have forces less than 375#							
			Loc. from endwall:	not in 4.50 ft			Plate Type(s):	WAVE										
			GCpi:	0.18			VIEW Ver:	18.02.01B.0321.08										
			Wind Duration:	1.60														

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

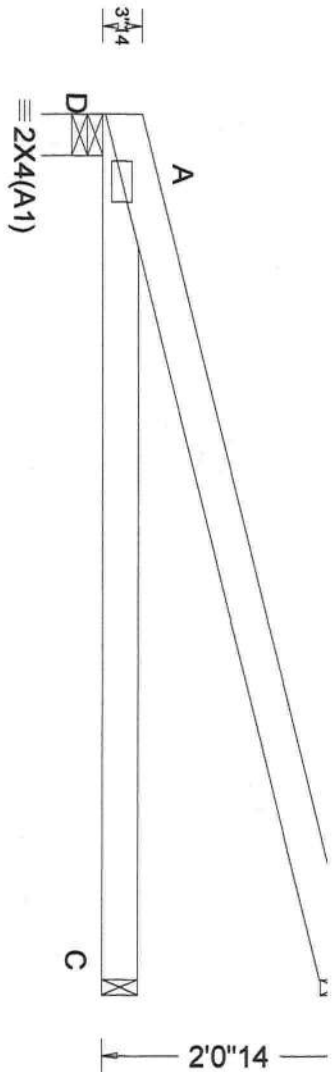
Wind
 Wind loads based on MWFRS with additional C&C member design.

Additional Notes
 Refer to General Notes for additional information
 The overall height of this truss excluding overhang is 2'-0"-14."



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Loading Criteria (psf) TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soft: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpf: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	Def/CSI Criteria PP Deflection in Loc Ldef L/# VERT(UL): NA VERT(UL): NA HORZ(UL): 0.017 C - - HORZ(TL): 0.035 C - - Creep Factor: 2.0 Max TC CSI: 0.701 Max BC CSI: 0.508 Max Web CSI: 0.000	▲ Maximum Reactions (lbs)							
				Loc	R+ / R-	Gravity	/ Rh	/ Rw	/ U	Non-Gravity / RL	
				D	288	-	-	-	149	145	150
				C	127	-	-	-	186	171	171
				B	186	-	-	-	156	157	171
				Wind reactions based on MWFRS							
				D	Brg Width = 4.0						Min Req = 1.5
				C	Brg Width = 1.5						Min Req = -
				B	Brg Width = 1.5						Min Req = -
				Bearing D is a rigid surface.							
				Members not listed have forces less than 375#							
				VIEW Ver: 18.02.01B.0321.08							

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

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

Additional Notes
 Refer to General Notes for additional information

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

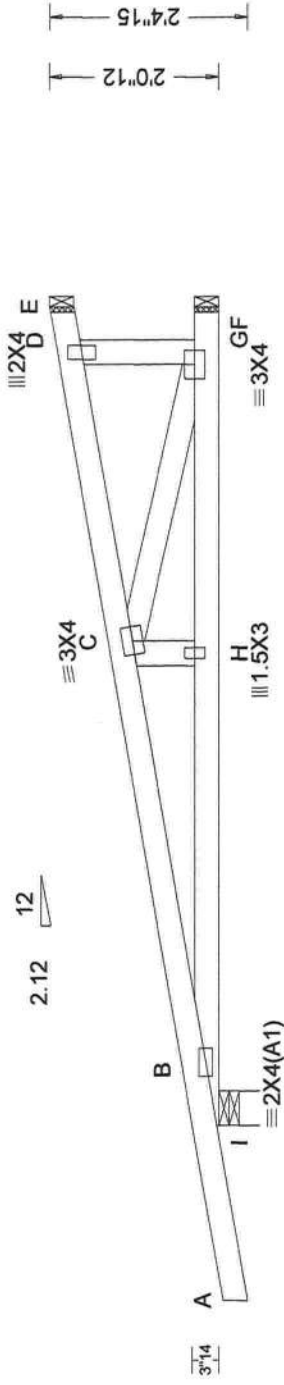


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2.12

12



Loading Criteria (psf)
 TCDL: 20.00
 BCCL: 10.00
 BCDL: 10.00
 Des Ld: 40.00
 NCBCL: 10.00
 Soffit: 2.00
 Load Duration: 1.25
 Spacing: 24.0"

Wind Criteria
 Wind Std: ASCE 7-10
 Speed: 130 mph
 Enclosure: Closed
 Risk Category: II
 EXP: C Kzt: NA
 Mean Height: 15.00 ft
 TCDL: 5.0 psf
 BCDL: 5.0 psf
 MWFRS Parallel Dist: 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

Snow Criteria (Pg. P1 in PSF)
 Pg: NA Ct: NA CAT: NA
 Pf: NA Ce: NA
 Lu: NA Cs: NA
 Snow Duration: NA
Code / Misc Criteria
 Bldg Code: FBC 2017 RES
 TPI Std: 2014
 Rep Fac: Varies by Ld Case
 FT/RT: 20(0)/10(0)
 Plate Type(s):
 WAVE

Defl/CSI Criteria
 PP Deflection in loc L/defl L#
 VERT(LL): 0.049 H 999 240
 HORZ(LL): 0.009 G - -
 HORZ(TL): 0.018 G - -
 Creep Factor: 2.0
 Max TC CSI: 0.551
 Max BC CSI: 0.770
 Max Web CSI: 0.353

Maximum Reactions (lbs)
 Gravity
 Loc R+ / R- / Rh / Rw / U / RL
 I 359 - / - / - / - / 107 - / -
 F 252 - / - / - / - / 84 - / -
 E 201 - / - / - / - / 2 - / -
 Wind reactions based on MWFRS
 I Brg Width = 4.9 Min Req = 1.5
 F Brg Width = 1.5 Min Req = -
 E Brg Width = 1.5 Min Req = -
 Bearing I is a rigid surface.
 Members not listed have forces less than 375#
Maximum Top Chord Forces Per Ply (lbs)
 Chords Tens.Comp.

Lumber

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

Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC: From 0 plf at -2.12 to 60 plf at 0.00
 TC: From 2 plf at 0.00 to 2 plf at 9.84
 BC: From 0 plf at -2.12 to 4 plf at 0.00
 BC: From 2 plf at 0.00 to 2 plf at 9.84
 TC: -5 lb Conc. Load at 1.77
 TC: 134 lb Conc. Load at 4.60
 TC: 257 lb Conc. Load at 7.42
 BC: 11 lb Conc. Load at 1.77
 BC: 102 lb Conc. Load at 4.60
 BC: 182 lb Conc. Load at 7.42

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information
 The overall height of this truss excluding overhang is 2'-0"-12."

B - C 212 - 1194

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.
 B - H 1172 - 204 H - G 1147 - 203

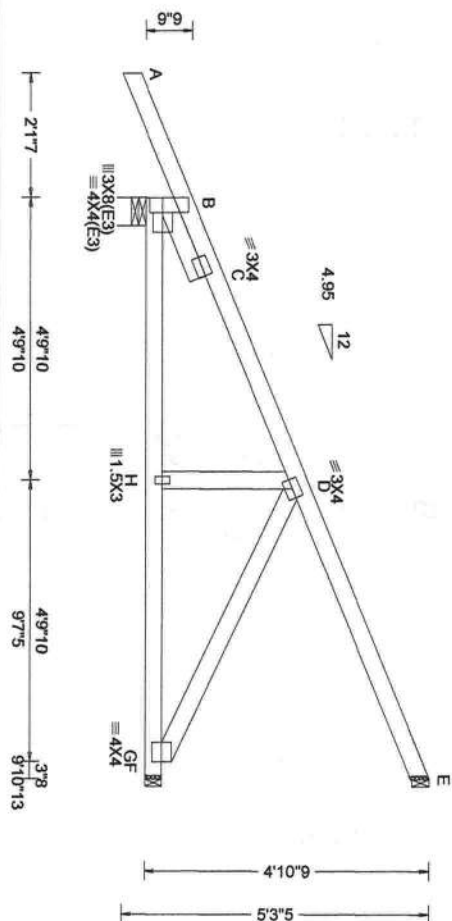
Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp.
 C - G 207 - 1161



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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. P in PSF)		Def/CSI Criteria		▲ Maximum Reactions (lbs)			
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg. NA	Ct NA	CAT: NA	PP Deflection in loc Ld/en U/#	Loc	R+ / R-	/ Rh	Non-Gravity / Rw / U / RL
TCCL:	10.00	Speed:	130 mph	Pt. NA	Ce: NA		VERT(UL): 0.024 H	999	240		
BCLL:	0.00	Enclosure:	Closed	Lr: NA	Cs: NA		VERT(UL): 0.047 H	999	180		
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(UL): -0.015 C	-	-		
Des Ld:	40.00	EXP: C	Kzt NA				HORZ(TL): 0.030 C	-	-		
NCBCLL:	10.00	Mean Height:	15.00 ft								
Soft:	2.00	TCCL:	5.0 psf								
Load Duration:	1.25	BCDL:	5.0 psf								
Spacing:	24.0 "	MMFRS Parallel Dist:	0 to h/2								
		C&C Dist:	3.00 ft								
		Loc. from endwall:	not in 4.50 ft								
		GCpi:	0.18								
		Wind Duration:	1.60								

Lumber				Snow Criteria (Pg. P in PSF)				Def/CSI Criteria				Maximum Reactions (lbs)											
Top chord: 2x4 SP #2:		Pg. NA		Ct NA		PP Deflection in		Loc		Loc		R+		/R-		/Rh							
Bot chord: 2x4 SP #2:		PE NA		Ce NA		VERT(UL):		VERT(UL):		Gravity		Non-Gravity											
Webs: 2x4 SP #3:		Lr NA		Cs NA		VERT(UL):		VERT(UL):		/Rw								/U		/RL			
Lt Slider: 2x4 SP #3; block length = 1.500'		Snow Duration:		NA		VERT(UL):		VERT(UL):															
Special Loads																							

(Lumber Dur. Fac.=1.25 / Plate Dur. Fac.=1.25)			
TC: From	0 pft at	-2.12 to	62 pft at
TC: From	2 pft at	0.00 to	2 pft at
BC: From	0 pft at	-2.12 to	4 pft at
BC: From	2 pft at	0.00 to	2 pft at
TC: -39 lb Conc. Load at	1.48		
TC: 137 lb Conc. Load at	4.31		
TC: 272 lb Conc. Load at	7.13		
BC: 40 lb Conc. Load at	1.48		
BC: 113 lb Conc. Load at	4.31		
BC: 190 lb Conc. Load at	7.13		

YoonHwak Kim
LICENSEE
No. 86367

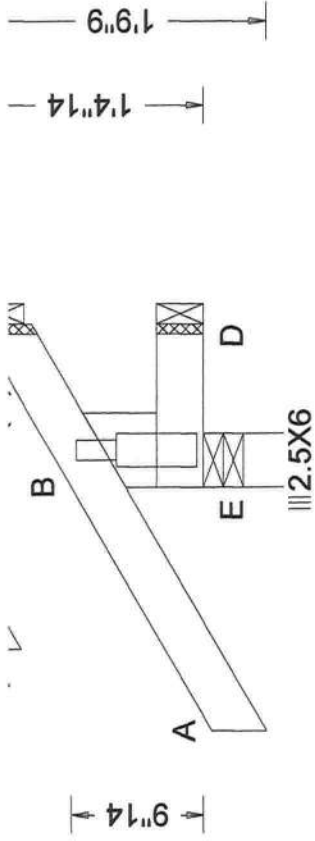
Maximum Web Forces Per Ply (lbs)	
Web	Tens. Comp.
D - G	212 - 639

Wind loads and reactions based on MMFRS.	Wind
Additional Notes	
Refer to General Notes for additional information	
The overall height of this truss excluding overhang is 4-10-9.	
Provide (3) 16d common 0.162"x3.5" toe-nails at TC.	
Provide (3) 16d common 0.162"x3.5" toe-nails at BC.	



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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg, P _f in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA	Ct: NA	Cat: NA	Loc L/Defl	PP Deflection in	Loc L/Defl	Loc R+	Gravity
TCCL: 10.00	Speed: 130 mph	Pf: NA	Cs: NA	Ce: NA	VERT(LL): 0.000 B	VERT(LL): 0.000 B	999 240	E 220	/ R-
BCCL: 0.00	Enclosure: Closed	Lr: NA	Cs: NA	Ce: NA	HORZ(LL): 0.000 B	HORZ(LL): 0.000 B	999 180	D 20	/ R-
BCDL: 10.00	Risk Category: II	Snow Duration: NA			HORZ(TL): 0.000 B	HORZ(TL): 0.000 B	-	C -	/ R-
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria			Creep Factor: 2.0				/ R-
NCBCLL: 10.00	Mean Height: 15.00 ft	Bldg Code: FBC 2017 RES			Max TC CSI: 0.182				/ R-
Soffit: 2.00	TCCL: 5.0 psf	TPI Std: 2014			Max BC CSI: 0.010				/ R-
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes			Max Web CSI: 0.010				/ R-
Spacing: 24.0"	C&C Dist a: 3.00 ft	FT/RT: 20(0)/10(0)							/ R-
	Loc. from endwall: Any	Plate Type(s):							/ R-
	GCpi: 0.18	WAVE							/ R-
	Wind Duration: 1.60								/ R-

Lumber

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

Plating Notes

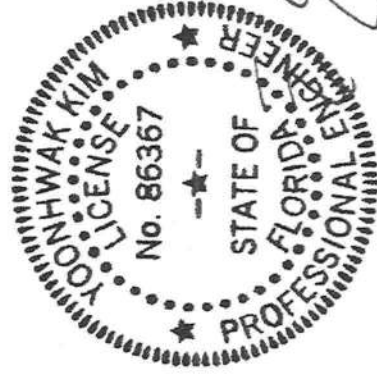
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind

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

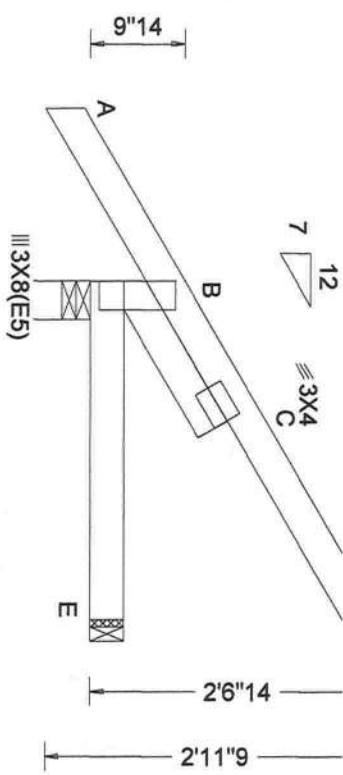
Additional Notes

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



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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. P1 in PSF)		Def/CSI Criteria		▲ Maximum Reactions (lbs)			
TCLL: 20.00		Wind Std: ASCE 7-10		Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc Lden L/H	Loc	R+ / R-	Gravty / Rh	Non-Gravity / Rw / U / RL
TCDL: 10.00		Speed: 130 mph		PE: NA		Ce: NA	VERT(LL): NA				
BCLL: 0.00		Enclosure: Closed					VERT(UL): NA	B 252	- / -	- / -	183 / 30 / 74
BCDL: 10.00		Risk Category: II					VERT(C/L): NA	E 57	- / -	- / -	39 / 1 / -
		EXP: C Kzt: NA					HORZ(T/L): 0.006 C	D 69	- / -	- / -	31 / 37 / -
Des Ld: 40.00		Mean Height: 15.00 ft					Creep Factor: 2.0	Wind reactions based on MWFRS			
NCBCLL: 10.00		TCDL: 5.0 psf						B	Brig Width = 4.0		
Softl: 2.00		BCDL: 5.0 psf						E	Brig Width = 1.5		
Load Duration: 1.25		MWFRS Parallel Dist 0 to h/2						D	Brig Width = 1.5		
Spacing: 24.0 "		C&C Dist a: 3.00 ft						Max Web CSI: 0.035			
		Loc. from endwall: not in 4.50 ft						Max TC CSI: 0.182			
		GCpl: 0.18						Max BC CSI: 0.087			
		Wind Duration: 1.60						Max Web CSI: 0.035			
								Bearing B is a rigid surface.			
								Members not listed have forces less than 375#			
								VIEW Ver: 18.02.01B.0321.08			

Lumber

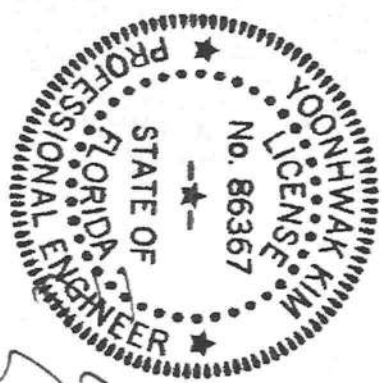
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Slider: 2x4 SP #3; block length = 1.500'

Wind

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

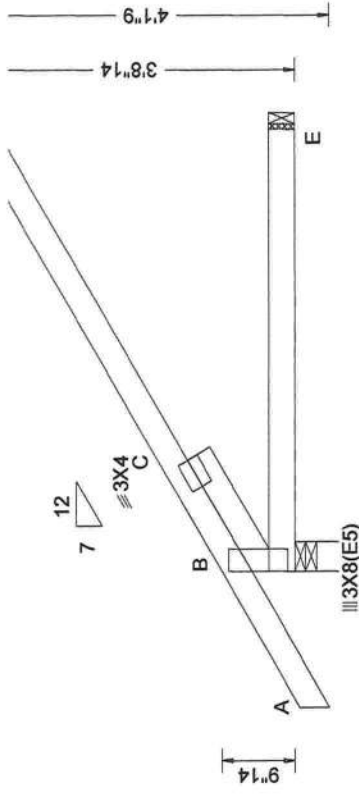
Additional Notes

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



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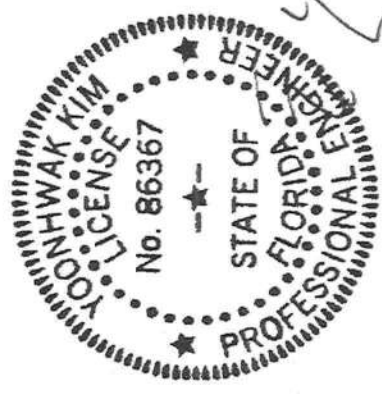
5' 5'

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#	Loc	R+	R-	Rh	Rw	U	RL	
TCDL: 10.00		Speed: 130 mph		Pf: NA		Ce: NA	VERT(LL): NA			B	325	-	-	-	1229	132	108
BCCL: 0.00		Enclosure: Closed		Lu: NA	Cs: NA		HORZ(LL): 0.025 C	-	-	E	95	-	-	-	166	-	-
BCDL: 10.00		Risk Category: II		Snow Duration: NA			HORZ(TL): 0.050 C	-	-	D	136	-	-	-	170	162	-
Des Ld: 40.00		EXP: C Kzt: NA					Creep Factor: 2.0			Wind reactions based on MWFRS							
NCBCLL: 10.00		Mean Height: 15.00 ft					Max TC CSI: 0.373			B	Brg Width = 4.0 Min Req = 1.5						
Soffit: 2.00		TCDL: 5.0 psf					Max BC CSI: 0.269			E	Brg Width = 1.5 Min Req = -						
Load Duration: 1.25		MWFRS Parallel Dist: 0 to h/2					Max Web CSI: 0.106			D	Brg Width = 1.5 Min Req = -						
Spacing: 24.0 "		C&C Dist a: 3.00 ft								Bearing B is a rigid surface.							
		Loc. from endwall: not in 4.50 ft								Members not listed have forces less than 375#							
		GCpi: 0.18															
		Wind Duration: 1.60															
				WAVE		VIEW Ver: 18.02.01B.0321.08											

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

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

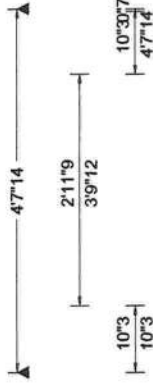
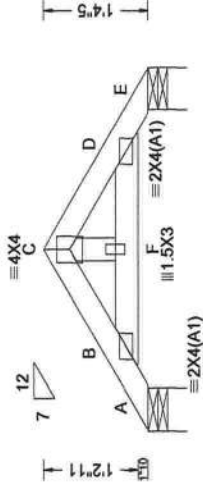
Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 3-8-14.



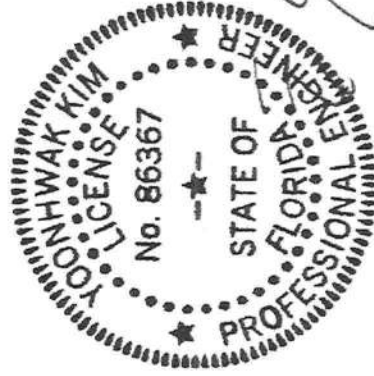
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03/18/2020

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10'-3" 15'-13"

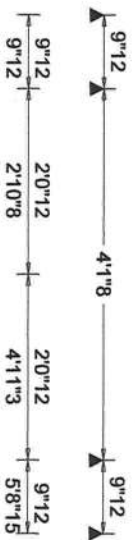
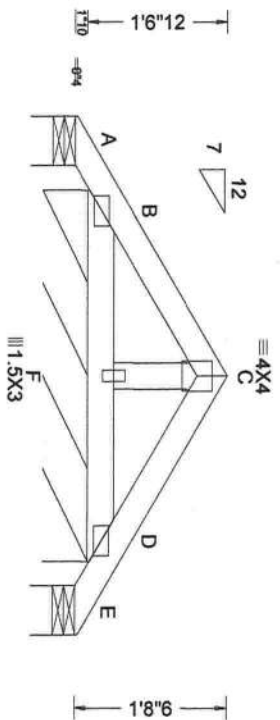


Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)				Defl/CSI Criteria		▲ Maximum Reactions (lbs)								
TCLL: 20.00	Wind Std: ASCE 7-10	Wind Std: ASCE 7-10	Speed: 130 mph	Pg: NA	Ct: NA	Cat: NA	Ce: NA	PP Deflection in	loc L/defl	L#	Loc	R+	R-	Rh	Rw	U	RL	
TCDL: 10.00	Enclosure: Closed	Enclosure: Closed	Risk Category: II	Pf: NA	Cs: NA			VERT(LL):	0.004 C	999 240	A	154	-	-	-	116	145	133
BCLL: 0.00	EXP: C Kzt: NA	EXP: C Kzt: NA		Lu: NA				VERT(CL):	0.006 C	999 180	E	154	-	-	-	116	145	-
BCDL: 10.00	Mean Height: 15.00 ft	Mean Height: 15.00 ft		Snow Duration: NA				HORZ(LL):	0.002 F	-								
Des Ld: 40.00	TCDL: 5.0 psf	TCDL: 5.0 psf		Code / Misc Criteria				HORZ(TL):	0.003 F	-								
NCBCLL: 0.00	BCDL: 1.2 psf	BCDL: 1.2 psf		Bldg Code: FBC 2017 RES				Creep Factor: 2.0										
Soffit: 2.00	MWFRS Parallel Dist: 0 to h/2	MWFRS Parallel Dist: 0 to h/2		TPI Std: 2014				Max TC CSI: 0.073										
Load Duration: 1.25	C&C Dist a: 3.00 ft	C&C Dist a: 3.00 ft		Rep Fac: Yes				Max BC CSI: 0.032										
Spacing: 24.0 "	Loc. from endwall: Any	Loc. from endwall: Any		FT/RT:20(0)/10(0)				Max Web CSI: 0.010										
	GCpi: 0.18	GCpi: 0.18		Plate Type(s):														
	Wind Duration: 1.60	Wind Duration: 1.60		WAVE														
								VIEW Ver: 18.02.01B.0321.08										



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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



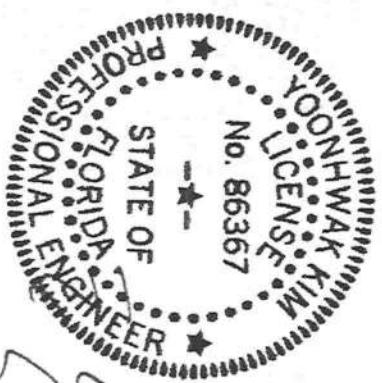
Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg/Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs), or *PLF			
TCLL:	20.00	Wind Std:	ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	PP Deflection in: loc Udefl U#	Loc	R+ / R-	Gravity / Rh	Non-Gravity / Rw / U / RL
TCDL:	10.00	Speed:	130 mph	Pf: NA	Cs: NA	Ce: NA	VERT(LL): 0.000 F 999 240	A 7	- / -	- / -	129 / 21 / 39
BCLL:	0.00	Enclosure:	Closed	Lu: NA			VERT(UL): 0.001 F 999 180	B* 82	- / -	- / -	156 / 26 / -
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL): 0.000 F - -	E 7	- / -	- / -	19 / 12 / -
Des Ld:	40.00	EXP: C	Kzt: NA				HORZ(UL): 0.000 F - -	Wind reactions based on MMWFRS			
NCBCLL:	0.00	Mean Height:	15.00 ft				Creep Factor: 2.0	A	Brig Width = 6.5 Min Req = 1.5		
Soft:	2.00	TCDL:	5.0 psf				Max TC CSI: 0.037	B	Brig Width = 49.5 Min Req = -		
Load Duration:	1.25	BCDL:	1.2 psf				Max BC CSI: 0.023	E	Brig Width = 6.5 Min Req = 1.5		
Spacing:	24.0 "	MMWFRS Parallel Dist:	0 to h/2				Max Web CSI: 0.012	Bearings A, B, & E are a rigid surface.			
		C&C Dist a:	3.00 ft					Members not listed have forces less than 375#			
		Loc. from endwall:	Any								
		GCpl:	0.18								
		Wind Duration:	1.60								
				WAVE			VIEW Ver: 18.02.01B.0321.08				

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

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

Wind
 Wind loads based on MMFRS with additional C&C member design.
 Uplifts based on an elevation at or above 1000 ft.

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

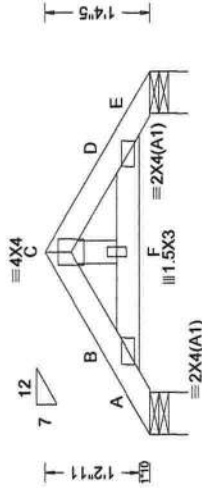


FL REG# 278, Yoonhwak Kim, FL PE #86367
 03/18/2020

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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9'12"

16'4"



4'7\"/>

3'0\"/>

3'10\"/>

9'12\"/>

4'7\"/>

Loading Criteria (psf)

TCLL: 20.00
TCCL: 10.00
BCCL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0"

Wind Criteria

Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCCL: 5.0 psf
BCDL: 1.2 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpt: 0.18
Wind Duration: 1.60

Snow Criteria (Pg. P in PSF)

Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA
Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT: 20(0)/10(0)
Plate Type(s):
WAVE

Deficit Criteria

PP Deflection in Loc L/defi L/#
VERT(LL): 0.004 C 999 240
VERT(CL): 0.007 C 999 180
HORZ(LL): 0.002 F - -
HORZ(TL): 0.004 F - -
Creep Factor: 2.0
Max TC CSI: 0.085
Max BC CSI: 0.035
Max Web CSI: 0.010

Maximum Reactions (lbs)

Loc	Gravity		Non-Gravity	
	R+	R-	Rh	Rw / U / RL
A	137	-	-	/101 /43 /31
E	137	-	-	/101 /43 /-

Wind reactions based on MWFRS
A Brg Width = 6.5 Min Req = 1.5
E Brg Width = 6.5 Min Req = 1.5
Bearings A & E are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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

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

These require extra care in fabricating, handling, shipping, installation and bracing. Refer to and follow the latest edition of DCSI Building

Gable Stud Reinforcement Detail

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

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

2x4 Vertical Species	Brace Grade	No Braces	(1) 1x4 'L' Brace		(1) 2x4 'L' Brace		(2) 2x4 'L' Brace		(1) 2x6 'L' Brace		(2) 2x6 'L' Brace	
			Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
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"
HF	Standard	4' 1"	5' 8"	6' 0"	7' 7"	8' 1"	10' 1"	10' 6"	11' 10"	12' 8"	14' 0"	14' 0"
	#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"	14' 0"
SP	#3	4' 2"	6' 0"	6' 4"	7' 11"	8' 6"	10' 2"	10' 7"	12' 5"	13' 4"	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"	11' 0"	11' 10"	14' 0"	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' 5"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	Stud	4' 8"	8' 1"	8' 5"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
SP	Standard	4' 8"	6' 11"	7' 5"	9' 3"	9' 11"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	#1	5' 1"	8' 5"	8' 9"	9' 11"	10' 4"	11' 10"	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"	14' 0"
DFL	#3	4' 9"	7' 4"	7' 8"	9' 9"	10' 2"	11' 8"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	Stud	4' 9"	7' 4"	7' 8"	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"	14' 0"
SPF	#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"	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"
HF	Standard	5' 1"	8' 0"	8' 6"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
	#1	5' 8"	9' 3"	9' 8"	10' 11"	11' 4"	13' 0"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"
	#2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	12' 11"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
SP	#3	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"
	Stud	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"	14' 0"

Bracing Group Species

Group A:		
Spruce-Pine-Fir		
#1 / #2	Standard	#3
#3	Stud	#3
Douglas Fir-Larch		
#3		
Stud		
Standard		

Group B:		
Mem-Fir		
#1 & Btr		
#1		
Douglas Fir-Larch		
#1		
#2		

1x4 Braces shall be SRB (Stress Rated Bolted)

For 1x4 So. Pine use only 1 Industrial 45 Stress-Rated values may be used with 1/2"

Gable Truss Detail

Wind Load deflection criterion

Provide uplift connections for continuous bearing (5 psf Ti)

Gable end supports load from with 2' 0" overhang, or 12' 0"

Attach 'L' braces with 10d (0.1

* For (1) 'L' brace: space n

in 18' end zones and 4' o.c

* For (2) 'L' braces: space

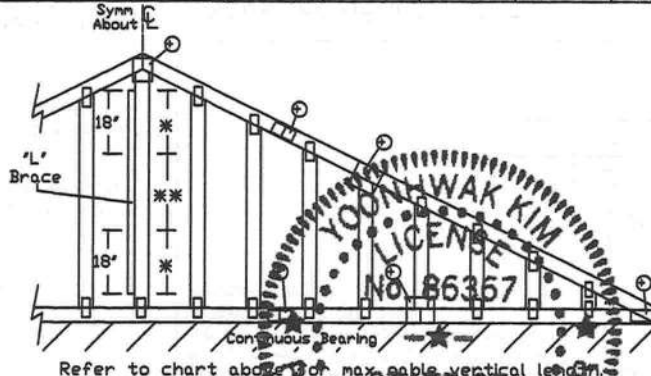
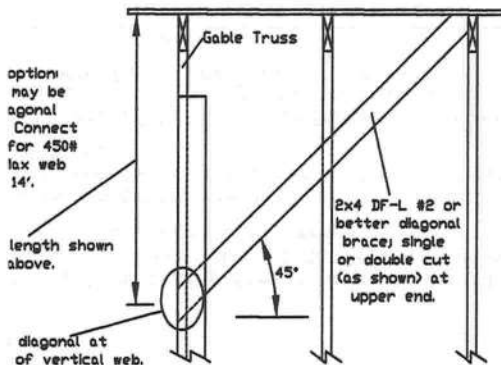
in 18' end zones and 6' o.c

'L' bracing must be a minimum member length.

Gable Vertical Plate	
Vertical Length	
Less than 4' 0"	
Greater than 4' 0"	

+ Refer to common truss peak, splice, and heel pl

Refer to the Building Designer not addressed by this detail.



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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. 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 BCSP sections 33, 37 or 310, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 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 build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

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

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

03/18/2020
 FL REC# 278, Yoonhwak Kim, FL PE #86367

REF ASCI
 DATE 10/
 DRWG A14

MAX. TOT. LD. 60 PSF
 MAX. SPACING 24.0"

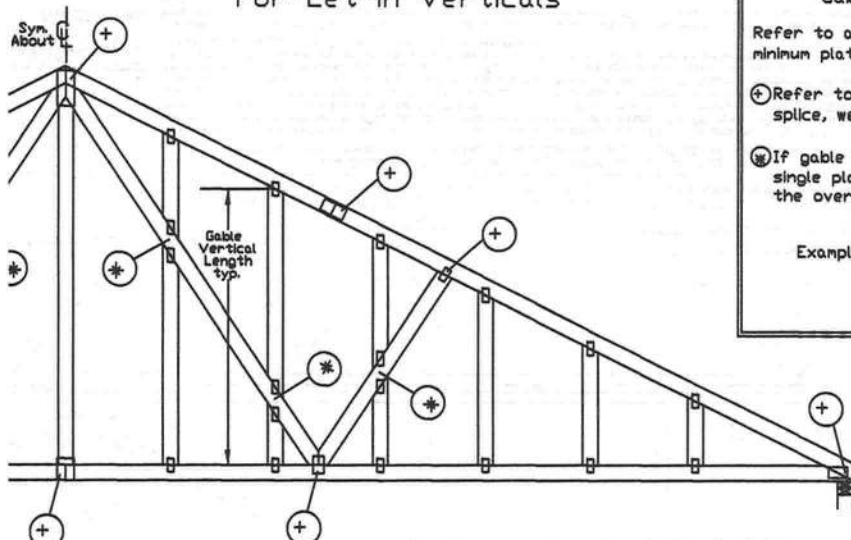
ITW COMPANY

ort Drive

ghts, MO 63043

03/18/2020
FL REG# 278, Yoonhwak Kim, FL PE #86367

Gable Detail For Let-in Verticals



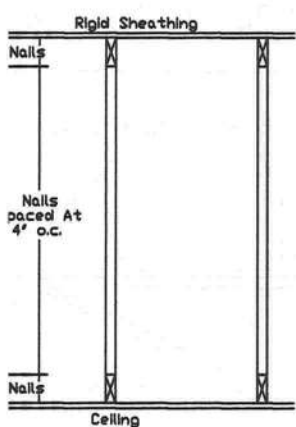
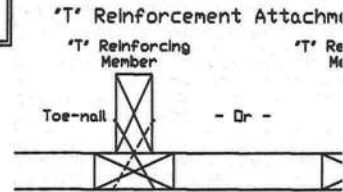
Gable Truss Plate Sizes

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

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

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

Example:



Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

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

Toenailed Nails:

10d Common (0.148"x 3", min) Toenails at 4" o.c. plus
(4) toenails in the top and bottom chords.

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

- ASCE 7-05 Gable Detail Drawings
- A13015051014, A12015051014, A11015051014, A10015051014, A14015051014,
A13030051014, A12030051014, A11030051014, A10030051014, A14030051014
- ASCE 7-10 & ASCE 7-16 Gable Detail Drawings
- A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118,
A18015ENC100118, A20015ENC100118, A22015ENC100118, A24015ENC100118,
A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118,
A18030ENC100118, A20030ENC100118, A22030ENC100118, A24030ENC100118,
S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,
S18015ENC100118, S20015ENC100118, S22015ENC100118, S24015ENC100118,
S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118,
S18030ENC100118, S20030ENC100118, S22030ENC100118, S24030ENC100118

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

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

Maximum allowable 'T' reinforced gable length is 14' from top to bottom of 'T' reinforcing member material must specify, and grade of the 'L' reinforce

Web Length Increase w/

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

Example:

ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, Kzt =
Gable Vertical = 24' o.c. SP #3
'T' Reinforcing Member Size = 2x4
'T' Brace Increase (From Above) :
(1) 2x4 'L' Brace Length = 8' 7"
Maximum 'T' Reinforced Gable Vert
1.30 x 8' 7" = 11'

NE COMPANY

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING

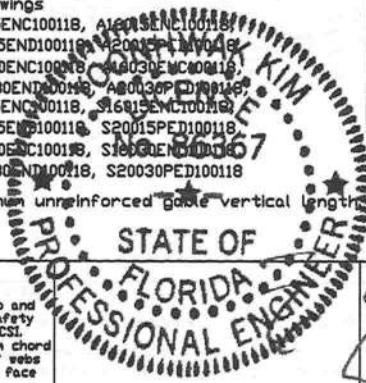
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

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

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

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



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

FL PE# 278, Voonhwak Kim, FL PE #86367

