

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: ITTD215-Z0415152248

Truss Fabricator: W.B. Howland
Job Identification: 6282-/ROSSIN /EDGELEY CONSTRUCTION -- , **
Truss Count: 78
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC07HVHZRes/TPI-2002(STD)
Engineering Software: Alpine Software, Versions 9.01, 9.02.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Details: BRCLBSUB-CNNAILSP-A1101505-GBLLETIN-HIPFRAME-


Seal Date: 07/15/2009

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	22120--A1		09196144	07/15/09
2	22121--A2		09196152	07/15/09
3	22122--A3		09196145	07/15/09
4	22123--A4		09196054	07/15/09
5	22124--A5		09196040	07/15/09
6	22125--A6		09196037	07/15/09
7	22126--A7		09196057	07/15/09
8	22127--A8		09196113	07/15/09
9	22128--A9		09196122	07/15/09
10	22129--A10		09196116	07/15/09
11	22130--A11		09196117	07/15/09
12	22131--A12		09196070	07/15/09
13	22132--A13		09196128	07/15/09
14	22133--A14		09196131	07/15/09
15	22134--A15		09196146	07/15/09
16	22135--A16		09196114	07/15/09
17	22136--A17		09196035	07/15/09
18	22137--A18		09196161	07/15/09
19	22138--A19		09196162	07/15/09
20	22139--A20		09196129	07/15/09
21	22140--A21		09196138	07/15/09
22	22141--A22		09196132	07/15/09
23	22142--A23		09196118	07/15/09
24	22143--A24		09196123	07/15/09
25	22144--A25		09196120	07/15/09
26	22145--A26		09196119	07/15/09
27	22146--A27		09196049	07/15/09
28	22147--A28		09196042	07/15/09
29	22148--A29		09196115	07/15/09
30	22149--A30		09196127	07/15/09
31	22150--A31		09196126	07/15/09
32	22151--A32		09196125	07/15/09
33	22152--A33		09196147	07/15/09
34	22153--A34		09196130	07/15/09
35	22154--A35		09196151	07/15/09
36	22155--A36		09196153	07/15/09
37	22156--A37		09196150	07/15/09
38	22157--A38		09196149	07/15/09

#	Ref	Description	Drawing#	Date
39	22158--A39		09196133	07/15/09
40	22159--A40		09196142	07/15/09
41	22160--A41		09196156	07/15/09
42	22161--A42		09196160	07/15/09
43	22162--A43		09196159	07/15/09
44	22163--A44		09196158	07/15/09
45	22164--A45		09196157	07/15/09
46	22165--A46		09196154	07/15/09
47	22166--A47		09196135	07/15/09
48	22167--A48		09196134	07/15/09
49	22168--A49		09196148	07/15/09
50	22169--A50		09196155	07/15/09
51	22170--A51		09196143	07/15/09
52	22171--A52		09196121	07/15/09
53	22172--A53		09196137	07/15/09
54	22173--A54		09196140	07/15/09
55	22174--A55		09196139	07/15/09
56	22175--A56		09196136	07/15/09
57	22176--B1		09196141	07/15/09
58	22177--G1		09196090	07/15/09
59	22178--HF		09196092	07/15/09
60	22179--HF		09196110	07/15/09
61	22180--J1		09196048	07/15/09
62	22181--J2		09196059	07/15/09
63	22182--J3		09196047	07/15/09
64	22183--J3B		09196106	07/15/09
65	22184--J3C		09196124	07/15/09
66	22185--J3D		09196061	07/15/09
67	22186--J3E		09196062	07/15/09
68	22187--J4		09196087	07/15/09
69	22188--J4A		09196078	07/15/09
70	22189--J4B		09196058	07/15/09
71	22190--J4C		09196063	07/15/09
72	22191--J5		09196045	07/15/09
73	22192--J10		09196109	07/15/09
74	22193--J1A		09196112	07/15/09
75	22194--J1B		09196060	07/15/09
76	22195--J3A		09196111	07/15/09

#	Ref	Description	Drawing#	Date
77	22196--J5A		09196101	07/15/09
78	22197--J5E		09196036	07/15/09



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

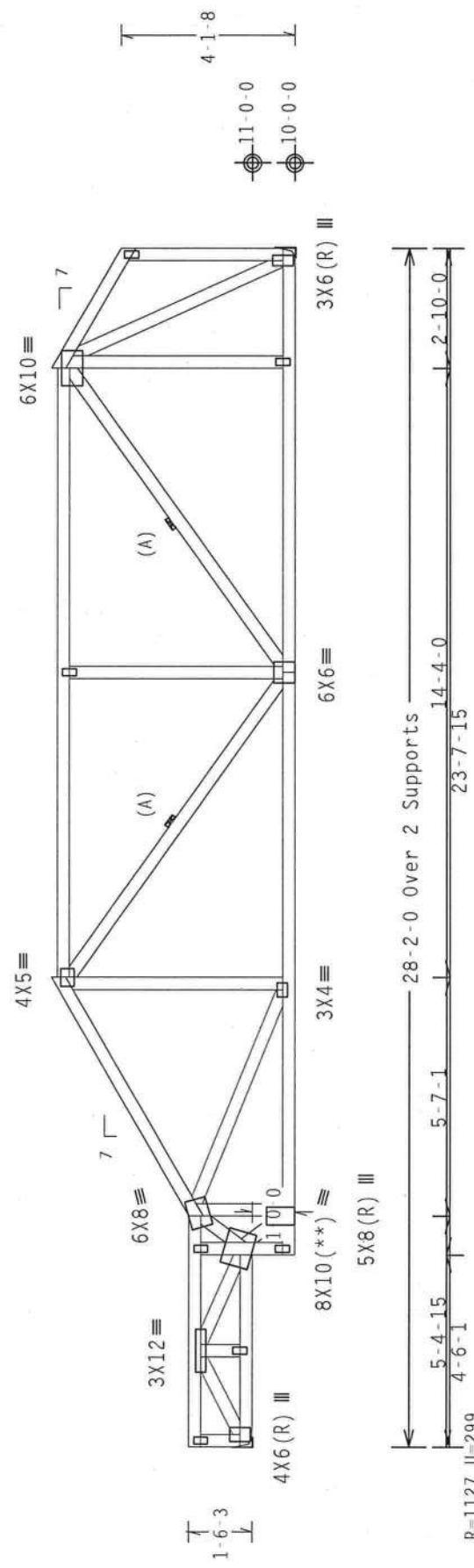
110 mph wind, 15.00 ft mean hgt. ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load.



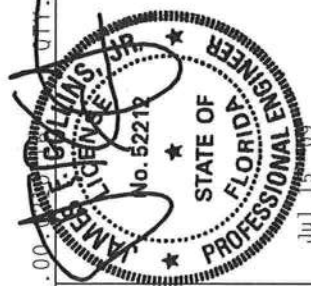
R-1127 U-306 H-Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

Note: All Plates Are 2X4 Except As Shown.

Design Crit: FBC07HVHZRes/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R215 - 22121
TC DL	10.0 PSF	DATE	07/15/09
BC DL	10.0 PSF	DRW	HCUSR215 09196152
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN -	212440
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF -	1TTD215_Z04



Jul 15 09

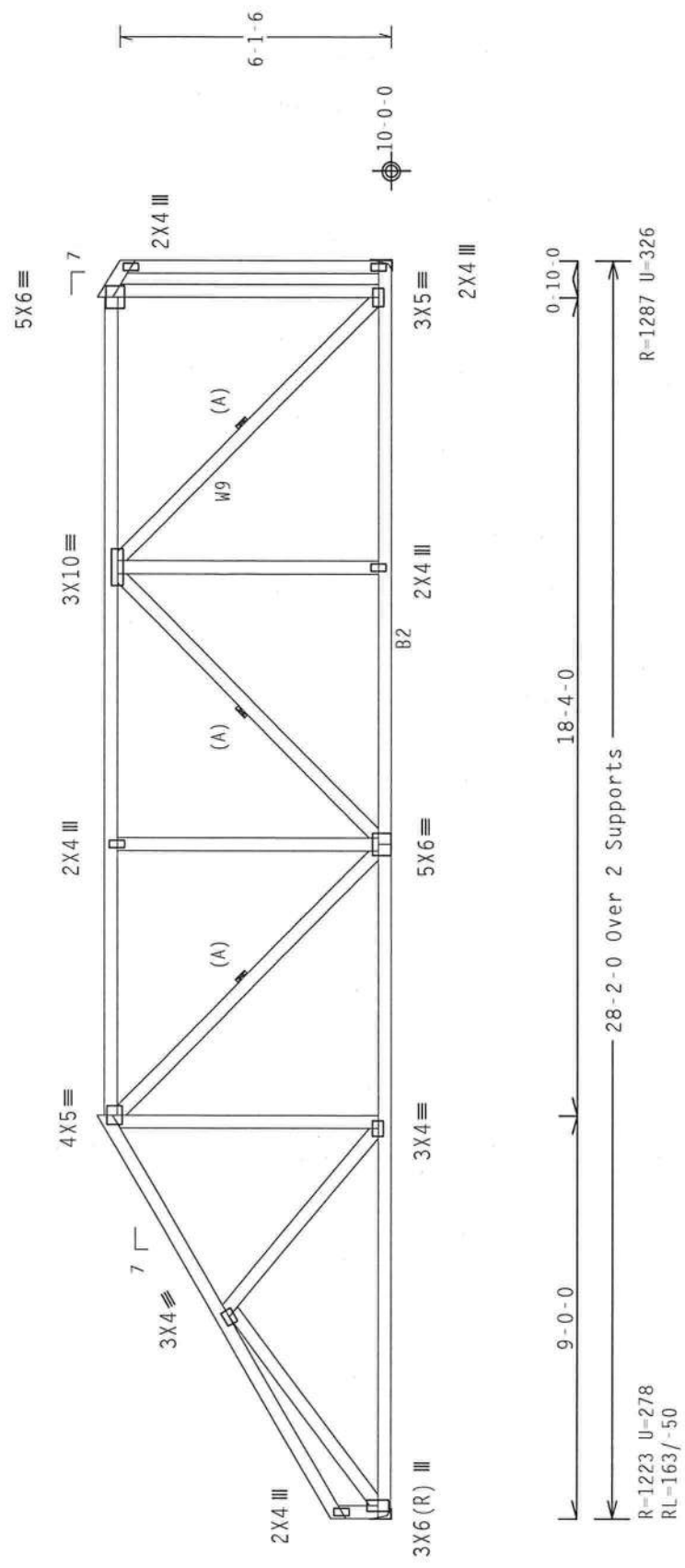
110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 6-7-3.

Design Crit: FBC07HVHZRes/TPI-2002(STD)
FT/RT=20%(0%)/0(0) 9

Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R215 -	22122
TC DL	10.0	PSF	DATE	07/15/09	
BC DL	10.0	PSF	DRW	HCUSR215	09196145
BC LL	0.0	PSF	HC-ENG	JB/AP	
TOT.LD.	40.0	PSF	SEQN -	212362	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF -	1TTD215_Z04	

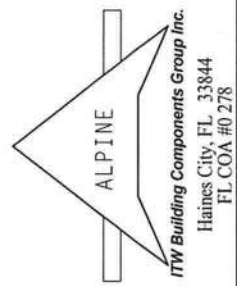


Jul 15 09

WARNING TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RECESSING TOP CHORDS TO PREVENT OVERSTRESSING. PURCHASED FROM STEEL TRUSS FABRICATOR, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314. MTCO AND TRUSS CONNECTIONS SHALL BE WELDED TO TOP CHORDS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW REG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAIL OF THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH DESIGNS OR FABRICATE WITH HANDLING, SHIPPING, INSTALLING & BRACING TRUSSES.

CONNECTION PLATES ARE MADE OF 2010/16GA (4/15/5/8) WITH A652 GRADE 40/60 (84, 4/16-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1600A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IT11-2002 SEC.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SATISFACTORY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER A451/ITP1 1 SEC. 2.



Top chord 2x6 SP #2 N :T1 2x4 SP #2 N:
:T4 2x4 SP #2 Dense:
Bot chord 2x6 SP #2 N :B2 2x6 SP SS:
Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member. Or 2x6 "T" brace. 80% length of web member. Same species & grade or better, attached with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

Deflection meets L/240 live and L/180 total load.

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

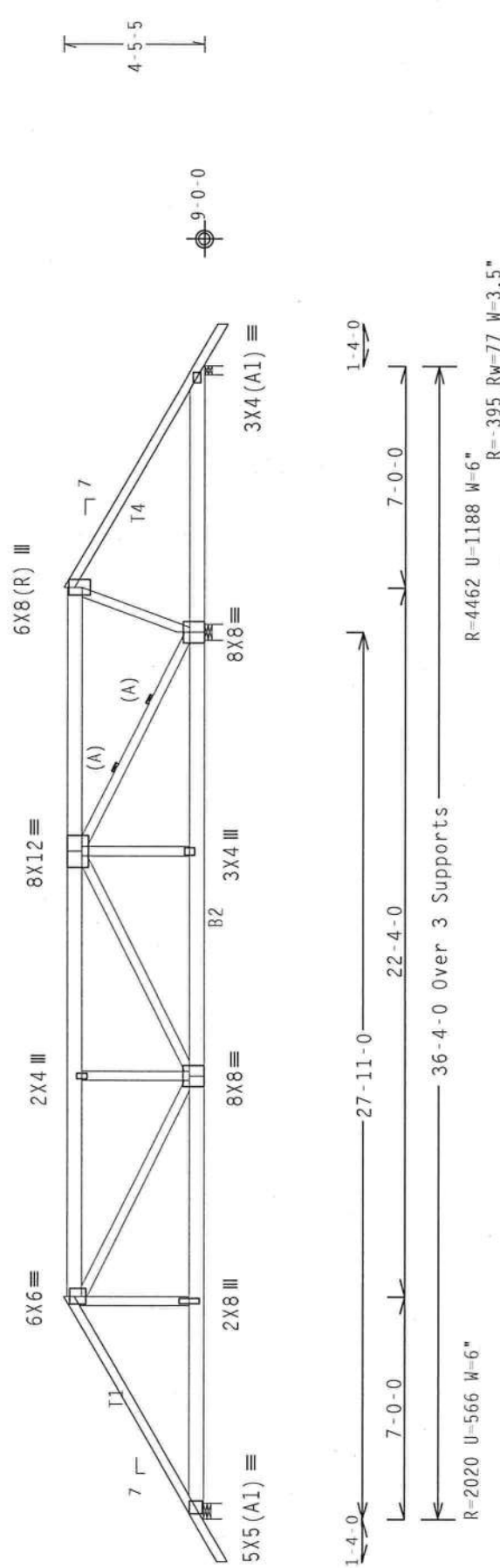
Negative reaction(s) of -394# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

#1 hip supports 7-0-0 jacks w/2 panel TC and no end vert.

Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang.



PLT TYP. Wave

Design Crit: FBC07HVHZRes/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

Scale =.1875"/Ft.

REF	R215--	22123
DATE	07/15/09	
DRW	HCUSR215	09196054
HC-ENG	WHK/WHK	
SEQN-	211367	
FROM	LRB	
JREF-	1TTD215_Z04	

9.01 00.00 00.00

QTY:1

FL/-/5/-/-/R/-

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING SEE ABOVE

JAMES E. JONES JR.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES. BUILDING COMPONENT SAFETY INFORMATION FOR THE TRUSS MANUFACTURER'S INSTRUCTIONS. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MECA, GOOD TRUSS, COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48219) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW REG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 70/19/16GA (W-H/SS/S) ASTM A653 GRADE 40/60 (4. K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. OVER INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES THE DESIGNER'S ACCEPTANCE OF THE DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/TPI 1 SEC. 2.

Top	chord	2x4	SP #2	N
Foot	chord	2x6	SP #2	N
	webs	2x4	SP #2	N
LT	Wedge	2x4	SP #2	N::Rt Wedge 2x4 SP #2 N:

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

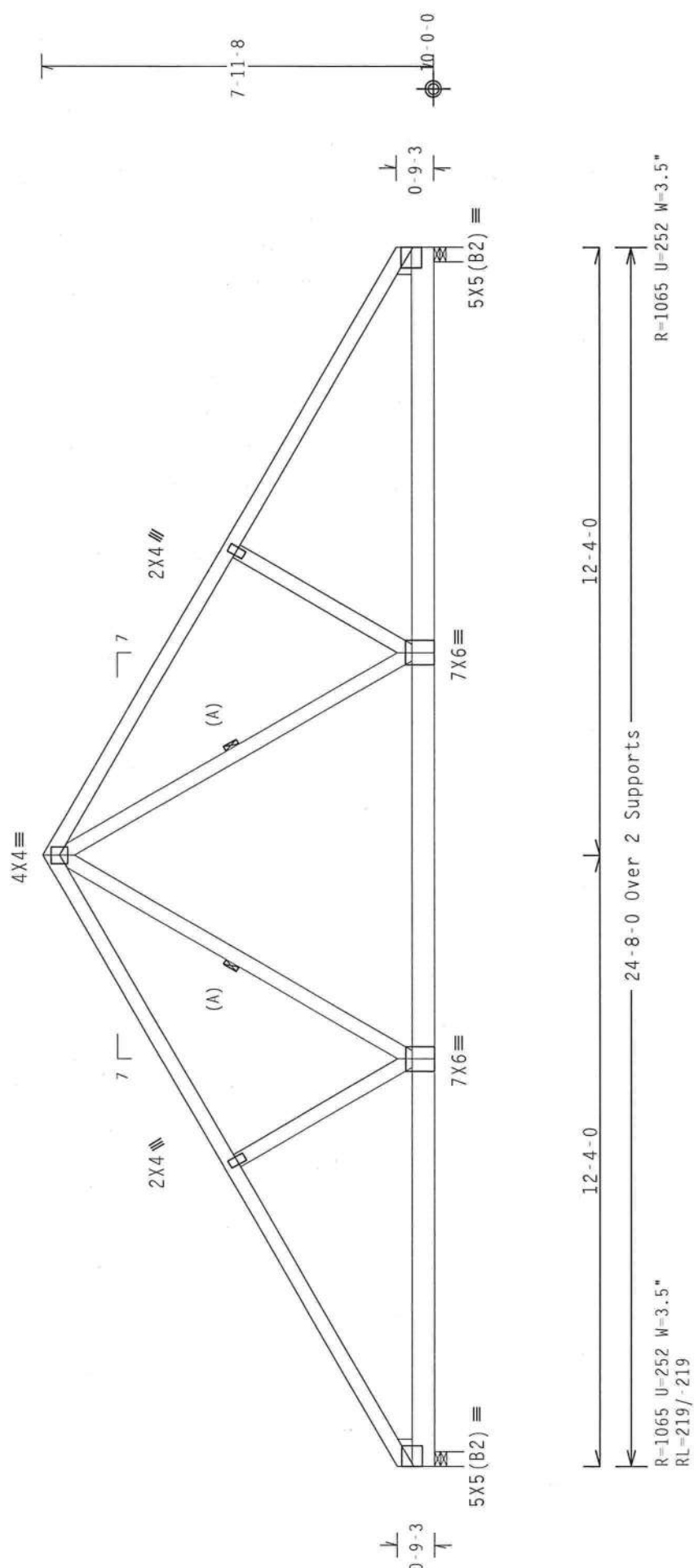
(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & SRB grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

3Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 7-11-8.

Design Crit: FBC07HVHZRes/TPI-2002 (STD)
FT/RT=20%(0%)/0(0) 9

Scale = .3125"/Ft.

FL/-/5/-/-/R/-/

~~08-0211-Adg~~

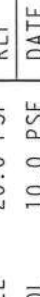
(0) 07
96 (01c) 2002 T

FT/RT=20% (0%)

design firm.

YP. Wave

170



ITW Building Components Group Inc.
Haines City, FL 33844
FLCOA #0 278

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS FABRICATION PUBLISHED BY THE TRUSS ASSOCIATION, 210 INTERSTATE LANE, MADISON, MI 48071-0001, AND ALSO TO THE LATEST EDITIONS OF THE TRUSS DESIGN HANDBOOK, INTERSTATE LANE, MADISON, MI 48071-0001 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TRUSS DESIGN HANDBOOK, INTERSTATE LANE, MADISON, MI 48071-0001, AND ALSO TO THE LATEST EDITIONS OF THE TRUSS DESIGN HANDBOOK, INTERSTATE LANE, MADISON, MI 48071-0001 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

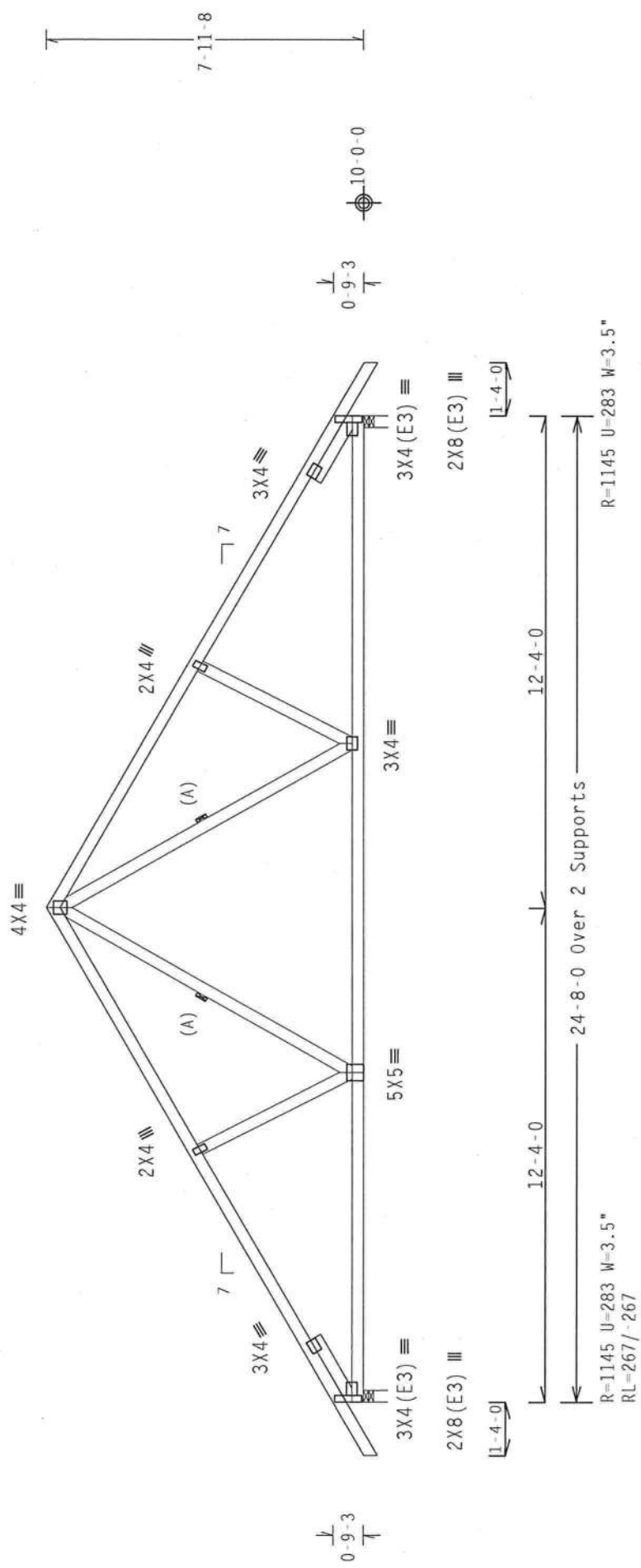
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf non-concurrent live load.

The overall height of this truss excluding overhang is 7-11-8.

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.854'
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.854'

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & SRB grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Design Crit: FBC07HVHZRes/TPI-2002(STD)
FT/RT=20%(0%)/0(0) 9

PLT TYP. Wave

Scale = .25"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST SUITING COMPONENT SAFETY INFORMATION, PUBLISHED BY PTI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND AISC (WOOD TRUSS COUNCIL OF AMERICA, 6900 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

***** IMPORTANT ***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSS. ITW BCG CONNECTOR PLATES ARE MADE OF 2010/2160GALV/ALUSPEL/ASTM A563 GRADE 40/60 CM. K/ALUSPEL GALV. STEEL - APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TP11-2002 SEC.2; (2) SHALL BE PER AMER A3 OF TP11-2002 SEC.3; (3) SHALL BE PER AMER A3 OF TP11-2002 SEC.2. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN. THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



TC LL	20.0	PSF	REF	R215 -	22125
TC DL	10.0	PSF	DATE	07/15/09	
BC DL	10.0	PSF	DRW	HCUSR215	09196037
BC LL	0.0	PSF	HC-ENG	WHK/WHK	*
TOT.LD.	40.0	PSF	SEQN-	211316	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	1TTD215_Z04	

	Top	chord	2x6	SP	#2	N	:T1	2x4	SP	#2	N:
	Bot	chord	2x6	SP	#2	N	:B2	2x6	SP	SS:	
		webs	2x4	SP	#2	N					

Negative reaction(s) of -417# MAX. (See below) from a non-wind load case requires uplift connection.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 " " brace. 80% length of web member. Same species & SRB grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.

Deflection meets L/240 live and L/180 total load.

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

Bearing blocks: Nail type: 0.131"x3" Gun nails
 X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
 2 8.167' 1 12" 4 Rigid Surface
 Bearing block to be same size and species as bottom chord.
 Refer to drawing CWNALLSP0109 for additional information.

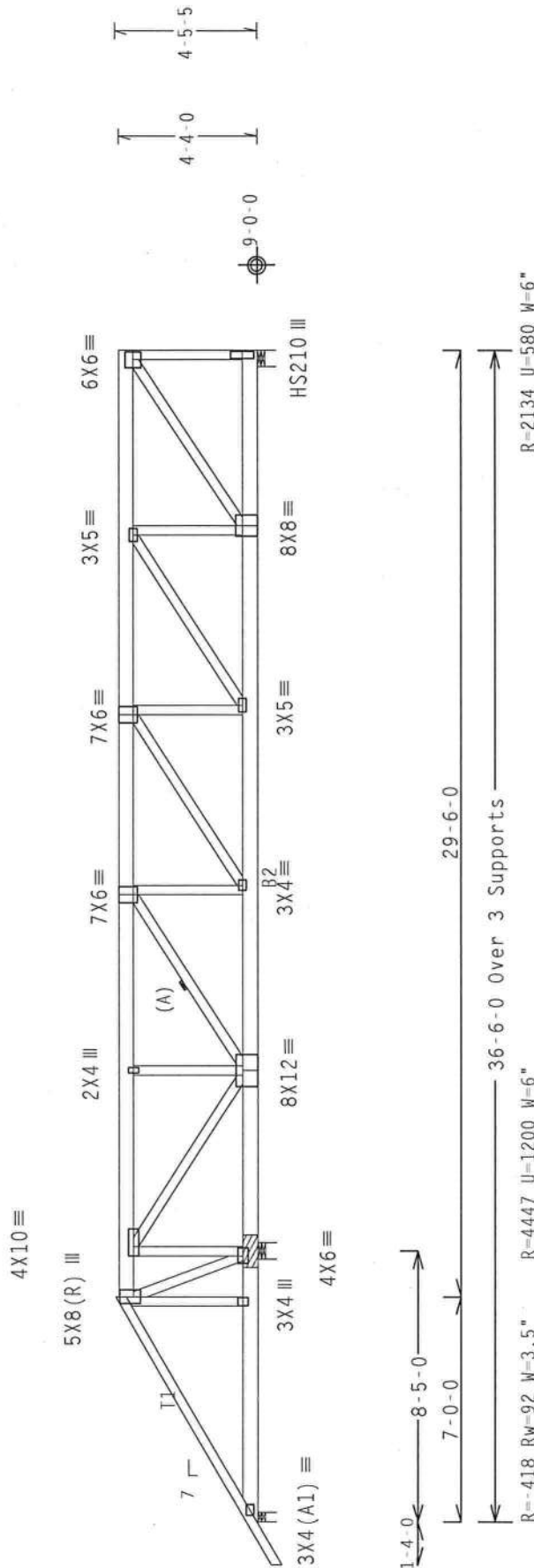
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CL05ED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang.
End jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang.

Right side jacks have 0-0-0 setback with 0-0-0 cant and 0-0-0 overhang.

Design Crit: FBC07HVHZRes/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

PIT TYP. 20 Gauge HS Wave

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R215--	22126
TC DL	10.0	PSF	DATE	07/15/09	
BC DL	10.0	PSF	DRW	HCUSR215	09196057
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	211368	
DUR.FAC.	1.25		FROM	LRB	
SPACING	SEE ABOVE		JREF-	1TTD215	Z04



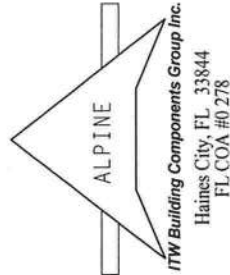
*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCSP (SHOOTING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

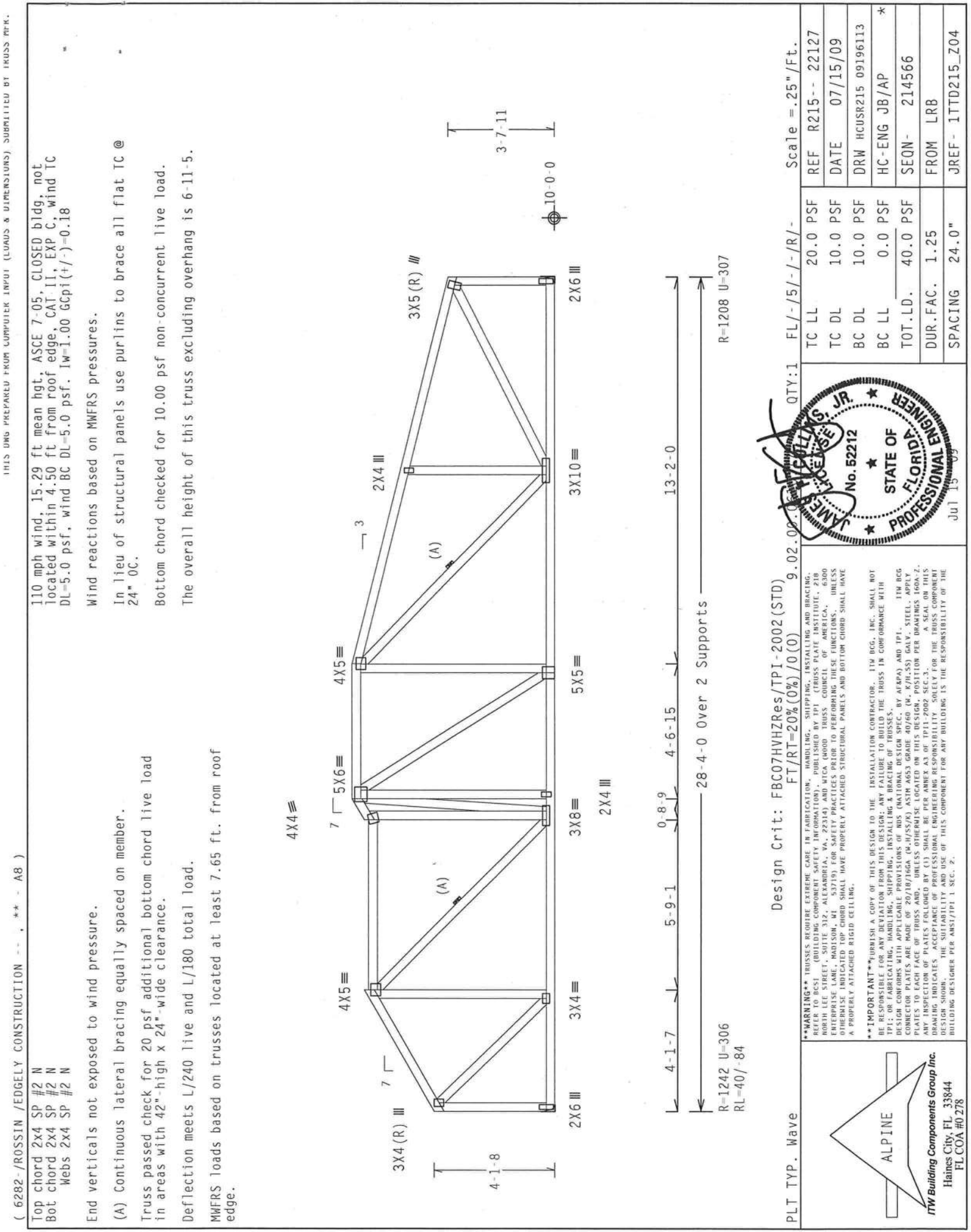
** IMPORTANT ** - FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR-TIM BEG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DIVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IT-1; OR FABRICATING, WELDING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTION PLATES ARE MADE OF 20/18/16GA. (W/15%Z) ASTM A575 GRADE 40/60 (A/KH-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

ANY INSPECTION OF PLATES FOLLOWED BY IT-1 SHALL BE PER AMEX AS OF IT-11-2002 SEC.2.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS OF THIS DESIGN. NO LIABILITY FOR ANY OTHER WORK OR FOR HOLDING IS THE RESPONSIBILITY OF THE HOLDING DESIGNER PER AMEX/IT-1 SEC.2.





110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

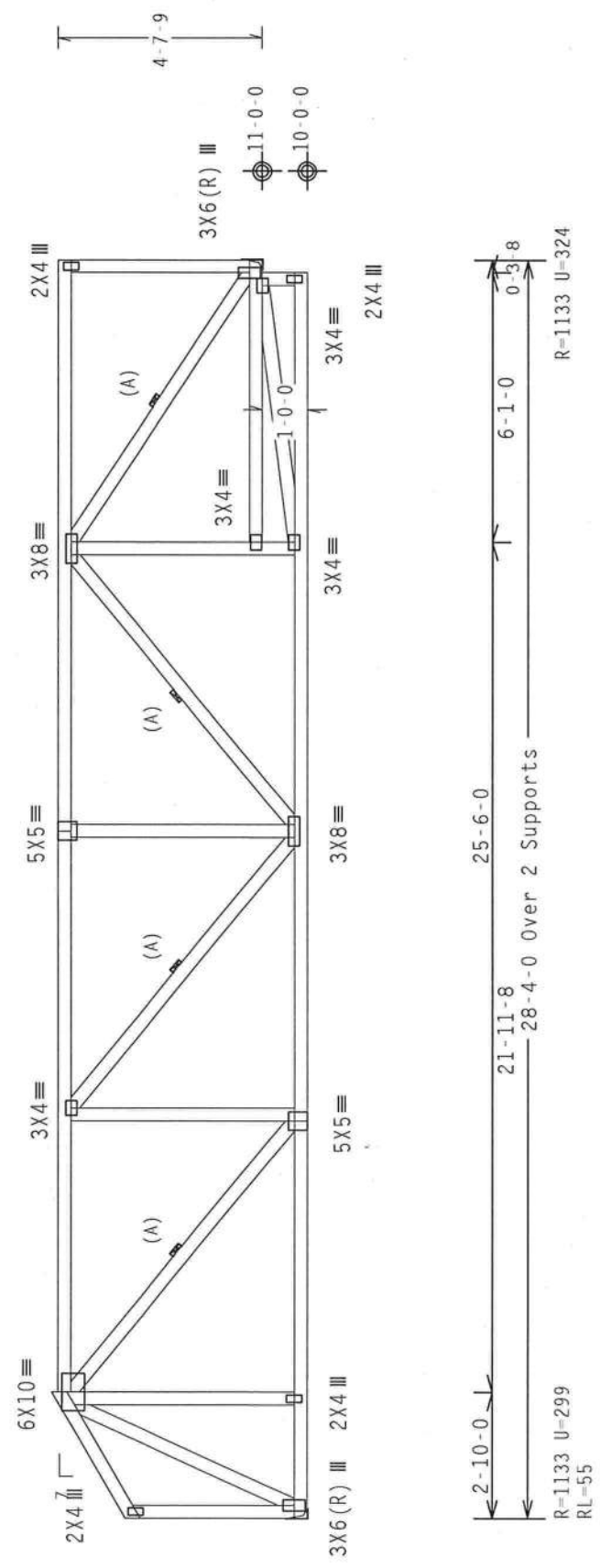
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

The overall height of this truss excluding overhang is 5-9-5.

Design Crit: FBC07HVHZRes/TPI-2002(STD)
FT/RT=20%(0%)/0(0) 9

Scale = .25" / Ft.

FL/-/5/-/-/R/-

~~QTY: 1~~

01-2002 (STD)
/0(0) 9.0

BCO/HVHZRes/1
FT/RT=20%(0%)

Design Crit:

Wave

PLT T

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILT-UP TRUSS ELEMENT INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

<

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DELAY FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THE DRAWING, INCLUDING, BUT NOT LIMITED TO, INSTALLATION AND BRACING DETAILS, SHALL BE THE DESIGN CONTRACTOR'S RESPONSIBILITY.

CONNECTION PLATES ARE MADE OF 20X12X6GA AL-5052/H32 ASYMETRIC GRADE 40/60 U.S. K-H/S5 GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABEX 43 OF TP11-2002 SEC.3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ASHRAE/TP11 SEC. 2.



ITW Building Components Group Inc.
Haines City, FL 33844
Tel. 800/441-4078

Jul 15 09

110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ Gcpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Deflection meets L/240 live and L/180 total load.

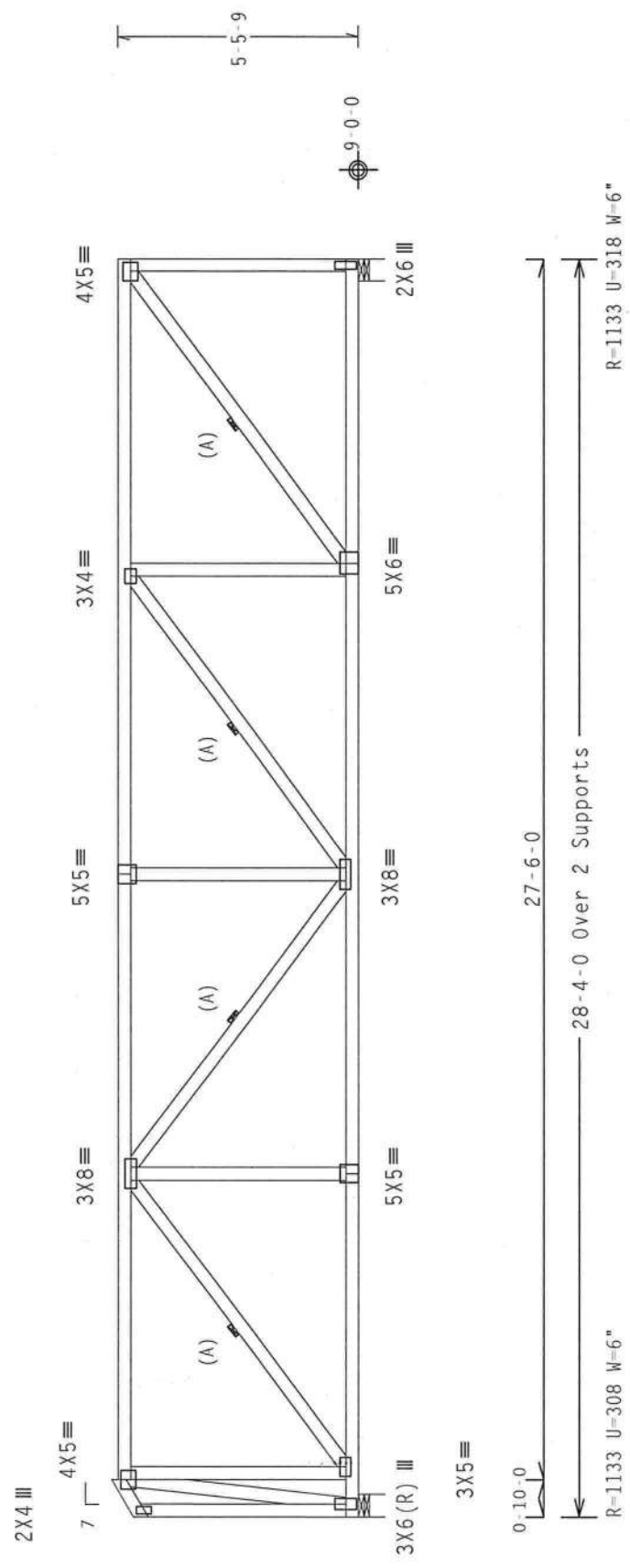
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Design Crit: FBC07HVHZRes/TPI-2002(STD)
FT/RT=20%(0%)/0(0) 9.

Scale = .25"/Ft.

FL/-/5/-/-/R/-

~~QTY: 1~~

9.0% (0%) / 0(0)

 $FT/RT=20$

332

PLT TYP. Wave

TC LL	20.0	PSF	REF	R215 -	22129
TC DL	10.0	PSF	DATE	07/15/09	
BC DL	10.0	PSF	DRW	HCUSR215	09196116
BC LL	0.0	PSF	HC-ENG	JB/AP	*
TOT.LD.	40.0	PSF	SEQN -	212369	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF -	1TTD215_Z04	

Professional Engineer Seal for James L. Selms, Jr., State of Florida, License No. 5222, dated July 15, 09.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WICA 4000 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MOORESPON, AL 33719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH AVAILABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. BY AISC AND TP1. ITW BCG CONNECTOR PLATES ARE MADE OF 207/1816GA (H/SS/AS) ASTM A653 GRADE 40/60 (H. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN A3 OF TP1-2002 SEC.3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SUEPLY FOR THE TRUSS COMPONENT DESIGN SIGNATURE. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMST/TP1 1 SEC. 2.



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

Top chord 2x4 SP #2 Dense : T2 2x6 SP #2 N:
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 2.381'
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 2.381'

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.33 to 60 PLF at 14.00
BC - From 20 PLF at 0.00 to 20 PLF at 4.00
BC - From 47 PLF at 4.00 to 47 PLF at 10.00
BC - From 20 PLF at 10.00 to 20 PLF at 14.00
BC - 172 LB Conc. Load at 1.55, 12.45
BC - 112 LB Conc. Load at 4.00, 10.00

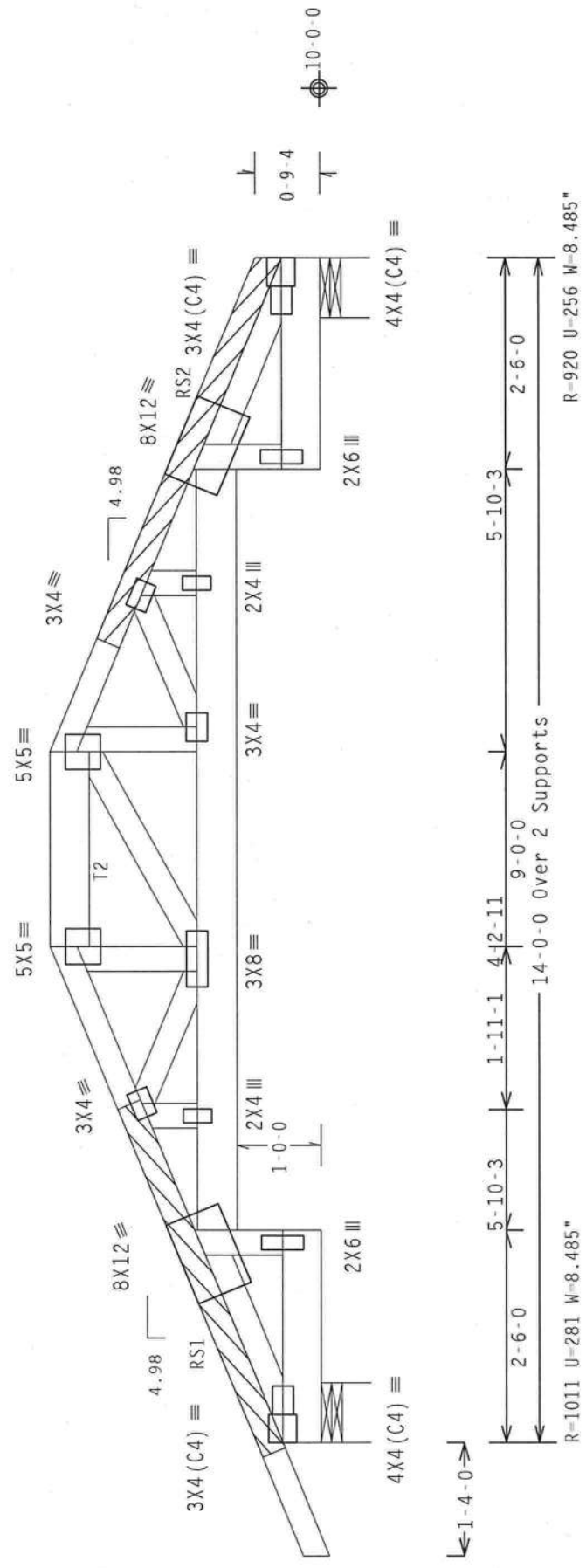
Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 3-2-6.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18
Calculated horizontal deflection is 0.46" due to live load and 0.46" due to dead load.

Deflection meets L/240 live and L/180 total load.

- RS1 (2) 2x4x4-5-4 SP #2 Dense Top chord scabs centered 1-11-14 from left end. Attach one to each outer face of chord with (2) rows of 0.131"x3" Gun_nails @ 12" O.C., staggered 6".
- RS2 (2) 2x4x5-0-0 SP #2 Dense Top chord scabs centered 1-8-5 from left end. Attach one to each outer face of chord with (2) rows of 0.131"x3" Gun_nails @ 12" O.C., staggered 6".



Design Crit: FBC07HVHZRes/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

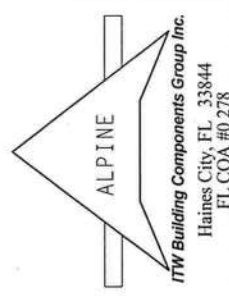
PLT TYP. Wave

Scale = .5"/Ft.

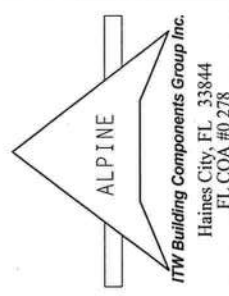
PLT TYP. Wave		QTY: 1	FL/-/5/-/-/R/-	TC LL	20.0 PSF	REF R215-- 22130
				TC DL	10.0 PSF	DATE 07/15/09
				BC DL	10.0 PSF	DRW HCUSR215 09196117
				BC LL	0.0 PSF	HC-ENG JB/AP
				TOT.LD.	40.0 PSF	SEQN- 214495
				DUR.FAC.	1.25	FROM LRB
				SPACING	24.0"	JREF- 1TTD215_Z04

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THESE TRUSSES ARE DESIGNED FOR USE IN CONFORMANCE WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODES, AS APPLICABLE. THE TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. THE TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. THE TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES.

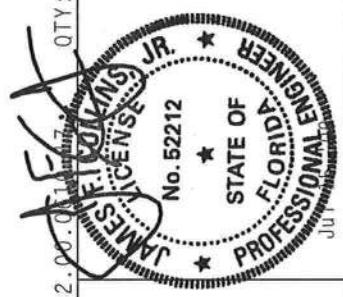
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.



ALPINE



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278



110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, IW=1.00 GCPI(+/-)=0.18
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N :W1, W9 2x4 SP #2 Dense:
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N :W1, W9 2x4 SP #2 Dense:
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'
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:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'

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Webs 2x4 SP #2 N :W1, W9 2x4 SP #2 Dense:
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Bot chord 2x4 SP #2 N
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Top chord 2x4 SP #2 N
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Webs 2x4 SP #2 N :W1, W9 2x4 SP #2 Dense:
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Webs 2x4 SP #2 N :W1, W9 2x4 SP #2 Dense:
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'

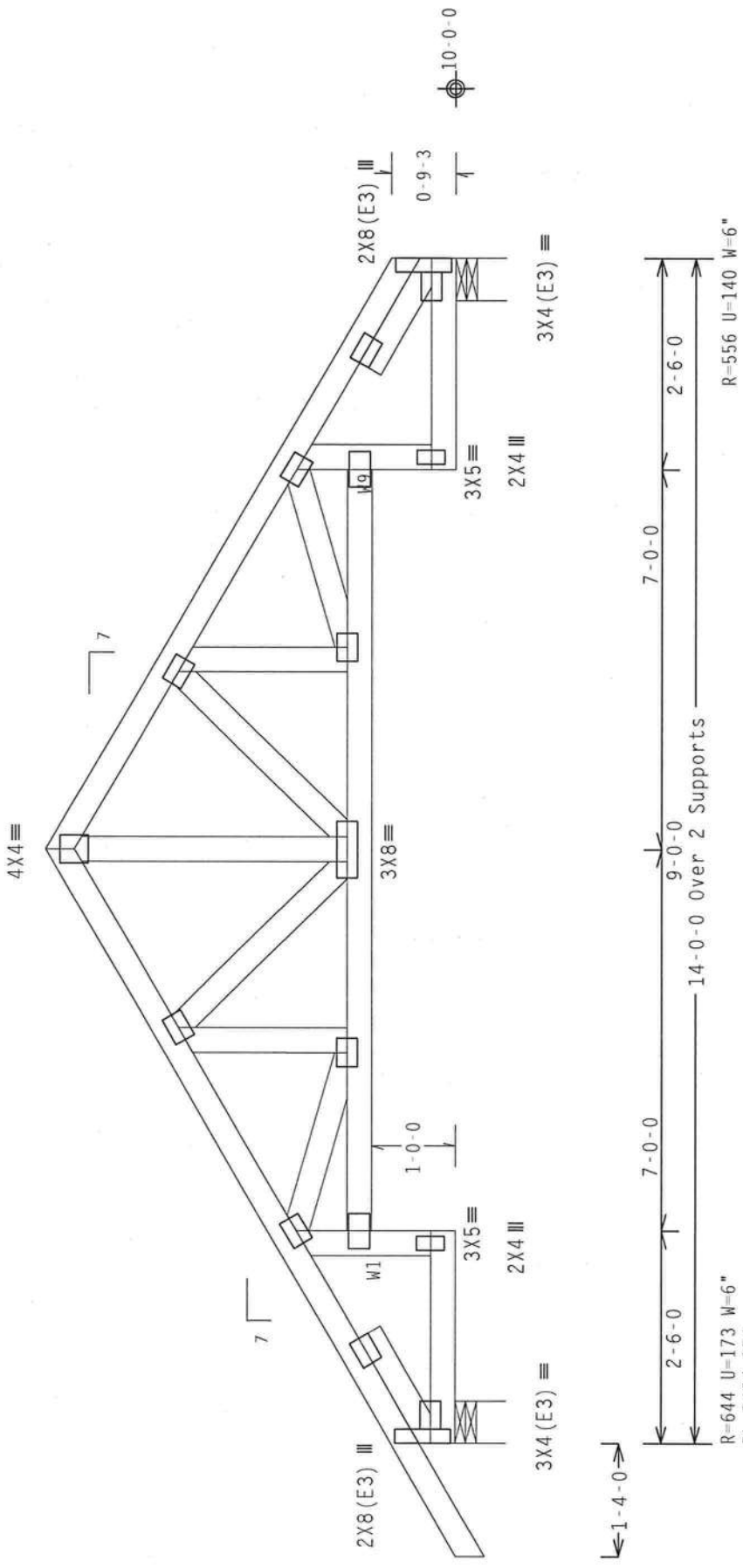
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N :W1, W9 2x4 SP #2 Dense:
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Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N :W1, W9 2x4 SP #2 Dense:
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'
:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'



Note: All Plates Are 3x4 Except As Shown.
Design Crit: FBC07HVHZRes/TPI-2002(STD)
PLT TYP. Wave

ITW Building Components Group Inc.
Haines City, FL 33844
FLCOA #0278

Scale = .5" / Ft.

REF	R215--	22132
DATE	07/15/09	
DRW	HCUSR215	09196128
HC-ENG	JB/AP	*
SEQN	212372	
FROM	LRB	
JREF	1TTD215_Z04	

QTY: 1

TC LL	20.0	PSF
TC DL	10.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT.LD.	40.0	PSF
DUR.FAC.	1.25	
SPACING	24.0"	

FL / - / 5 / - / - / R / -

Scale = .5" / Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI TRUSS PLATE COMPANY, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (44/55/55) ASTM A653 GRADE 40/60 (4. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS INSPECTION INDICATES ACCEPTANCE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES P. ECKHART, JR.
LICENSE
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jul 13 2009

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

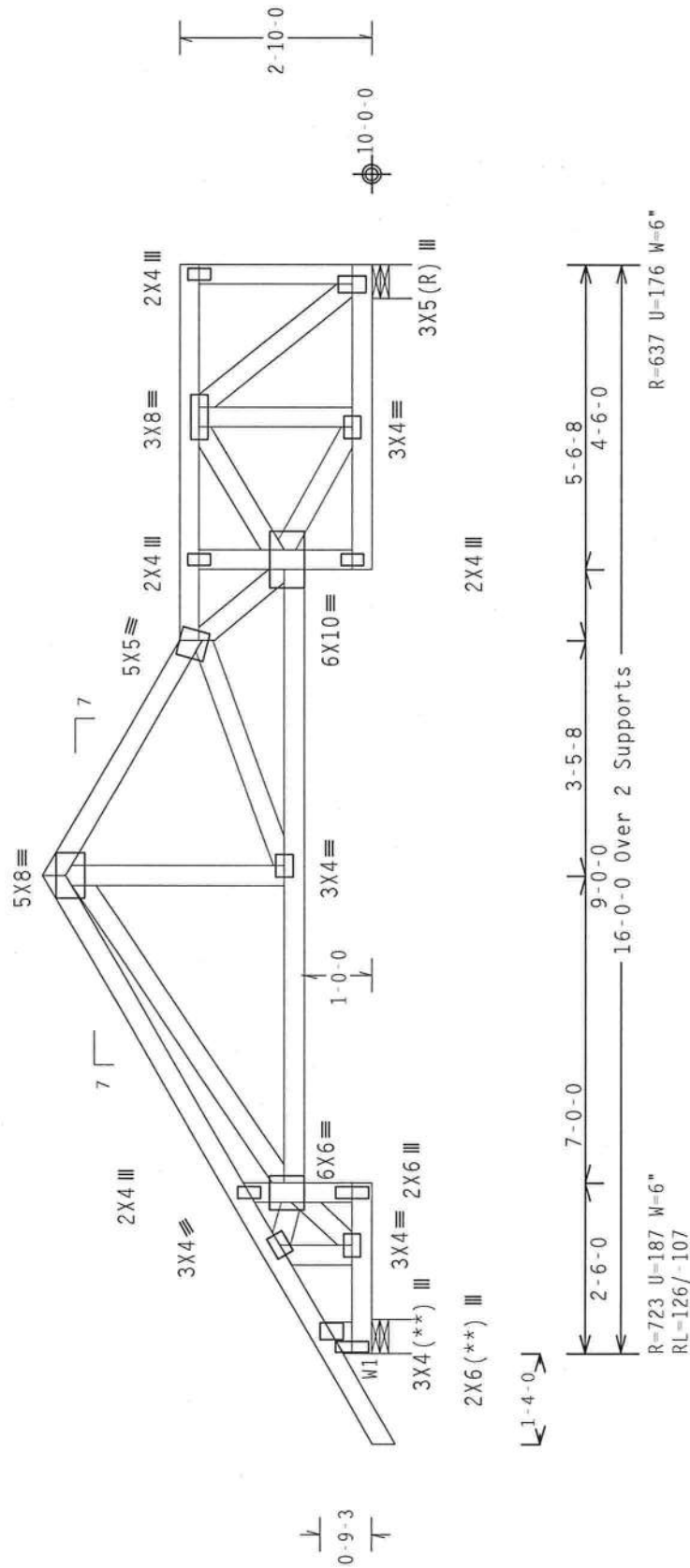
Right end vertical not exposed to wind pressure.

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N :W1 2x6 SP #2 N:
Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load.

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

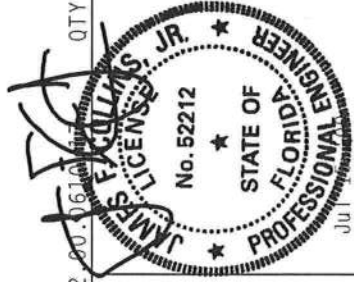
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

Design Crit: FBC07HVHZRes/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale = .375" / Ft.

TC LL	20.0 PSF	REF	R215--	22133
TC DL	10.0 PSF	DATE	07/15/09	
BC DL	10.0 PSF	DRW	HCUSR215	09196131
BC LL	0.0 PSF	HC-ENG	JB/AP	
TOT.LD.	40.0 PSF	SEQN-	214536	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1TTD215	Z04

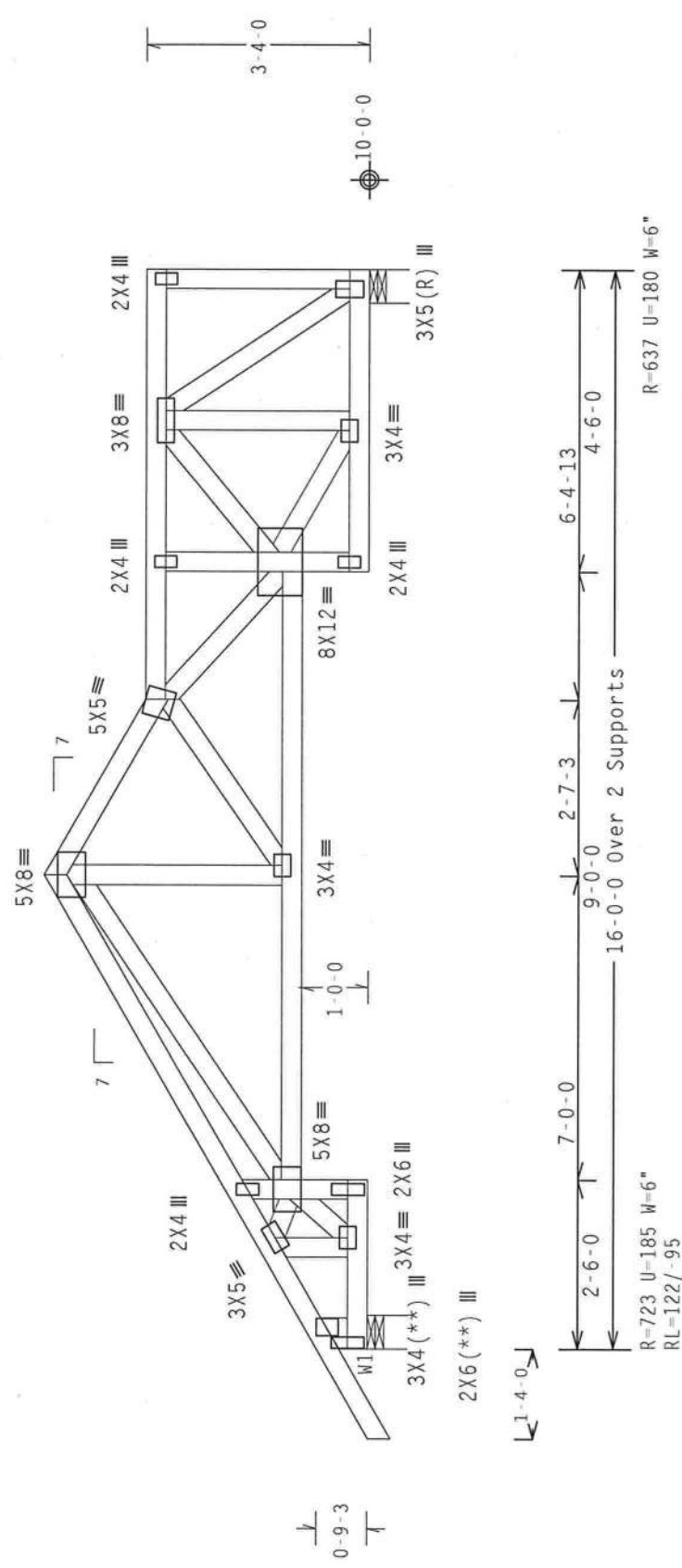


ALPINE

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FL COA #0278

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N : W1 2x6 SP #2 N:
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 4-10-3.
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, Exp C, wind Tc DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18
Wind reactions based on MWFRS pressures.
Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Design Crit: FBC07HVHZRes/TPI-2002 (STD)
FT/RT=20% (0%)/0(0)

Scale = .375" / Ft.

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

QTY: 1

Scale = .375" / Ft.

REF R215-- 22134

DATE 07/15/09

DRW HCUSR215 09196146

HC-ENG JB/AP

SEQN- 214550

FROM LRB

JREF- 1TTD215_Z04

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

JAMES F. COLLINS JR.

PROFESSIONAL ENGINEER

STATE OF FLORIDA

License No. 52212

July 15, 2009

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AEP&J) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/10GA (U.N/SS/6) ASH 4053 GRADE 40/60 (H, K/H-SS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES TO THE TRUSS. UNLESS OTHERWISE INDICATED, THE TRUSS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord 2x6 SP #2 N
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N : W1 2x6 SP #2 N :
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.575'

SPECIAL LOADS

- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
- TC - From 60 PLF at 0.00 to 60 PLF at 7.00
- TC - From 60 PLF at 7.00 to 60 PLF at 9.19
- TC - From 60 PLF at 9.19 to 60 PLF at 16.00
- BC - From 20 PLF at 0.00 to 20 PLF at 2.50
- BC - From 20 PLF at 2.50 to 20 PLF at 11.50
- BC - From 20 PLF at 11.50 to 20 PLF at 16.00
- PLB- 1223 LB Conc. Load at (1.06,10.04)
- PLB- 1127 LB Conc. Load at (3.06,11.04)
- PLB- 1196 LB Conc. Load at (7.06,11.04)
- PLB- 1198 LB Conc. Load at (9.06,11.04), (13.06,10.04)
- (15.06,10.04)

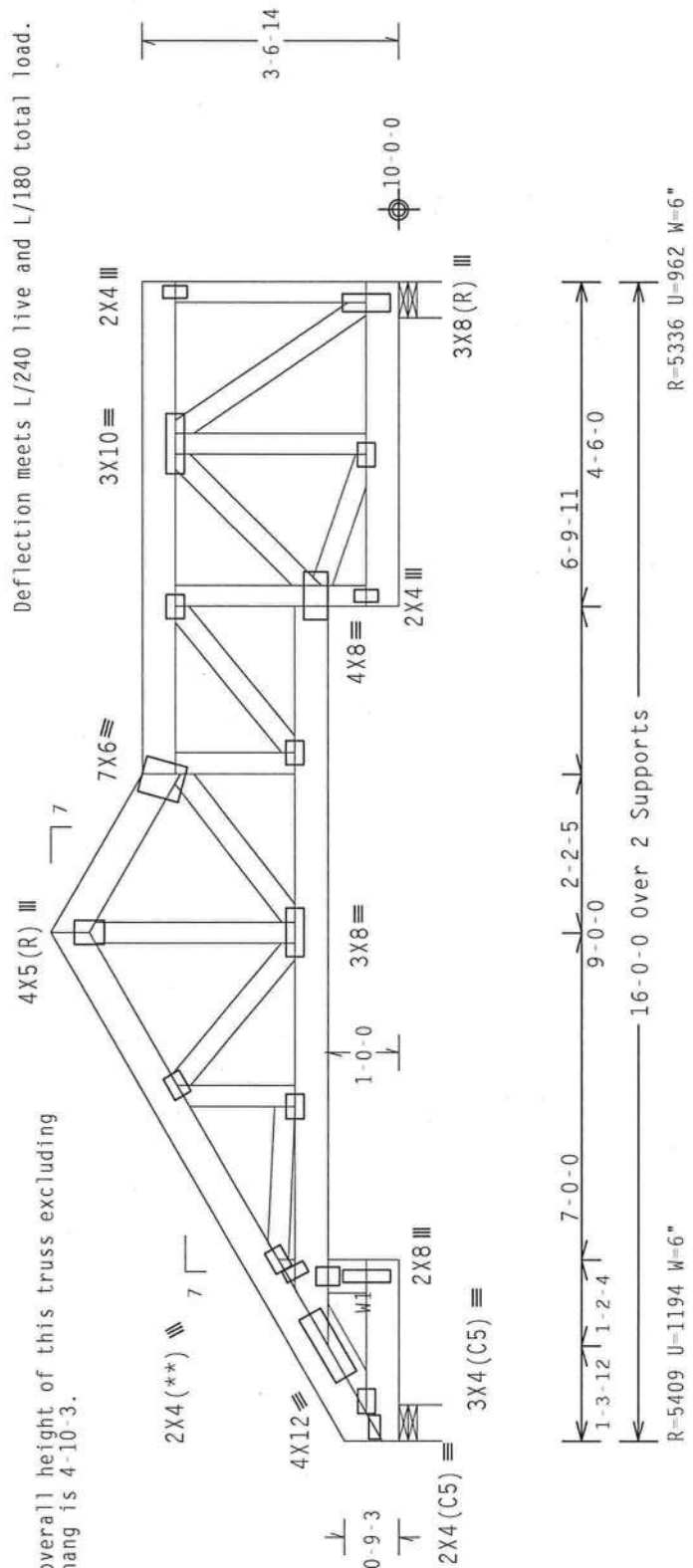
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

4 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting. In addition apply (1) 1/2" bolt at each joint location.
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4-50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi (+/-)=0.18
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.



Note: All Plates Are 3x4 Except As Shown.

Design Crit: FBC07HVHZRes/TPI-2002 (STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

9.02.00.00

FL/-/5/-/-/R/-

Scale = .375"/Ft.

	REF R215-- 22135	
	DATE 07/15/09	
	DRW HCUR215 09196114	
	HC-ENG JB/AP	
	SEQN- 214799	
	TC LL 20.0 PSF	
	TC DL 10.0 PSF	
	BC DL 10.0 PSF	
	BC LL 0.0 PSF	
	TOT.LD. 40.0 PSF	
DUR.FAC. 1.25		FROM LRB
SPACING 24.0"		JREF- 1TTD215_Z04

Top chord	2x4	SP	#2	N	:T2	2x6	SP	#2	N:
Bot chord	2x6	SP	#2	N	:B2	2x6	SP	SS:	
webs	2x4	SP	#2	N					

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "I" brace. 80% length of web member. Same species & SRB grade or better, attached with 8d Box or Gun (0.113"x2.5",min.) nails @ 6" OC.

#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.

Deflection meets L/240 live and L/180 total load.

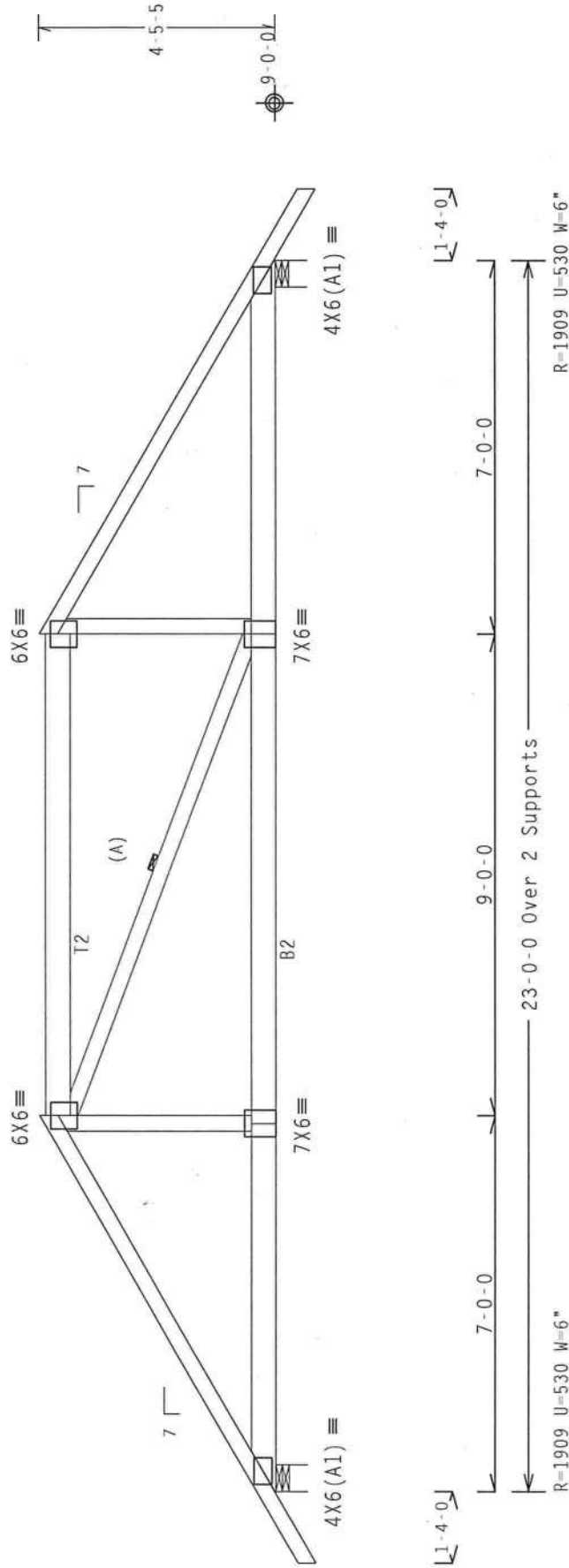
The overall height of this truss excluding overhang is 4-5-5.

110 mph wind, 15.00 ft mean ht, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang.
End jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang.
Right side jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang.

Design Crit: FBC07HVHZRes/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale = .3125"/Ft.

[illegible]

110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ GCpi(+/-)=0.18

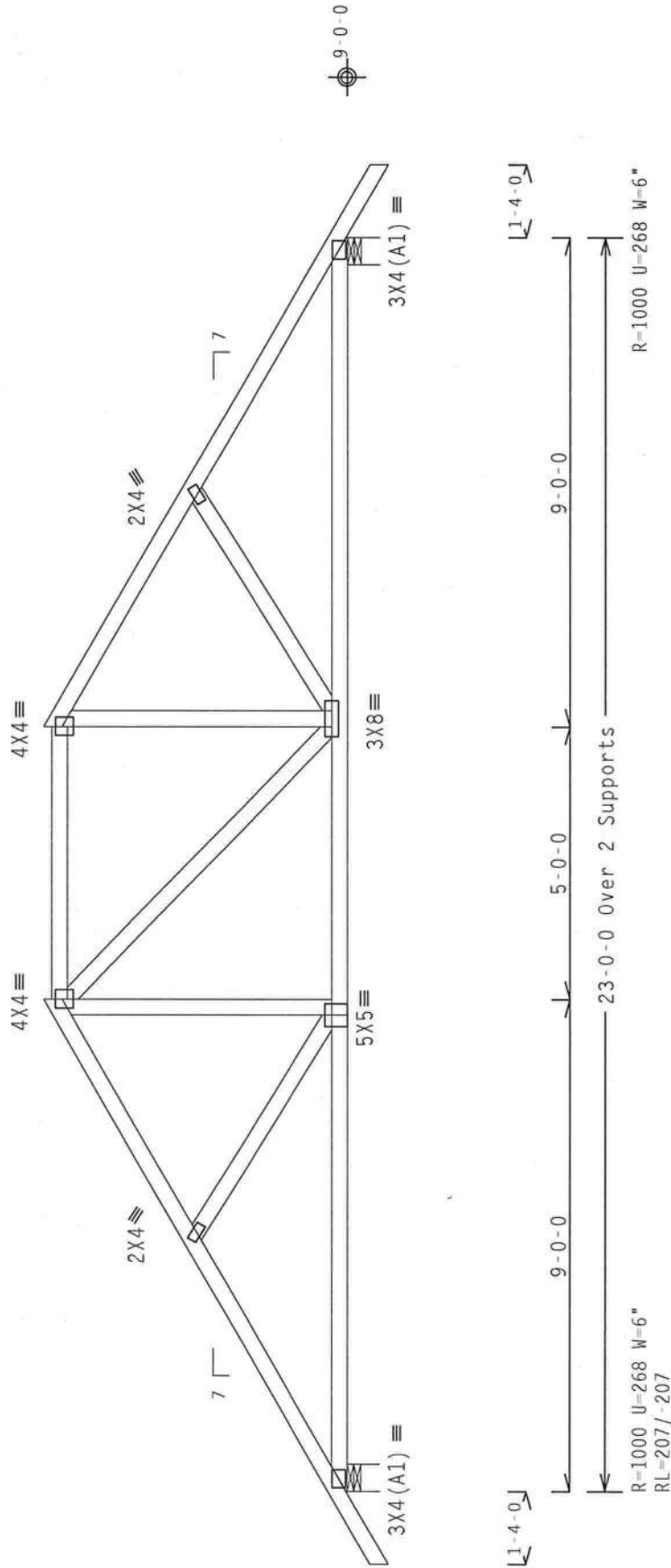
Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

Deflection meets L/240 live and L/180 total load.

Design Crit: FBC07HVHZRes/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

Scale = .3125"/Ft.

QTY:1 FL/-/5/-/-/R/-

20.

(0)C
5 (01c) 2002

FT/RT=20%(0%

Design Clinic

Wave

17d

TC LL	20.0 PSF	REF	R215--	22137
TC DL	10.0 PSF	DATE	07/15/09	
BC DL	10.0 PSF	DRW	HCUSR215	09196161
BC LL	0.0 PSF	HC-ENG	JB/AP	
TOT.LD.	40.0 PSF	SEQN-	212377	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1TTD215_Z04	

A circular professional engineer seal for the State of Florida. The outer ring contains the text "JAMES L. SAVAGE, JR." at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by stars. The inner circle contains "STATE OF FLORIDA" and "No. 52212", also separated by stars. A date stamp "Jul 15 06" is visible on the right side of the seal.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RETURN BEST AVAILABLE DISCOUNTED PRICE TO THE TRUSS MANUFACTURER. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. THE TRUSS MANUFACTURER'S OFFICE IS LOCATED AT: 230 NORTH LESTER STREET, SUITE 212, ALEXANDRIA, VA 22304 AND VICA TRUSS COMPANY, 10000 WILSON AVENUE, WADSWORTH, IA 52793. FOR SAFETY PRACTICES PLEASE GO TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH ITW BCG TRUSSING AND BRACING SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., 4TH EDITION), STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF ITW-2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/TPP 1 SEC. 2.



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 FL COA #0278

Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind IC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

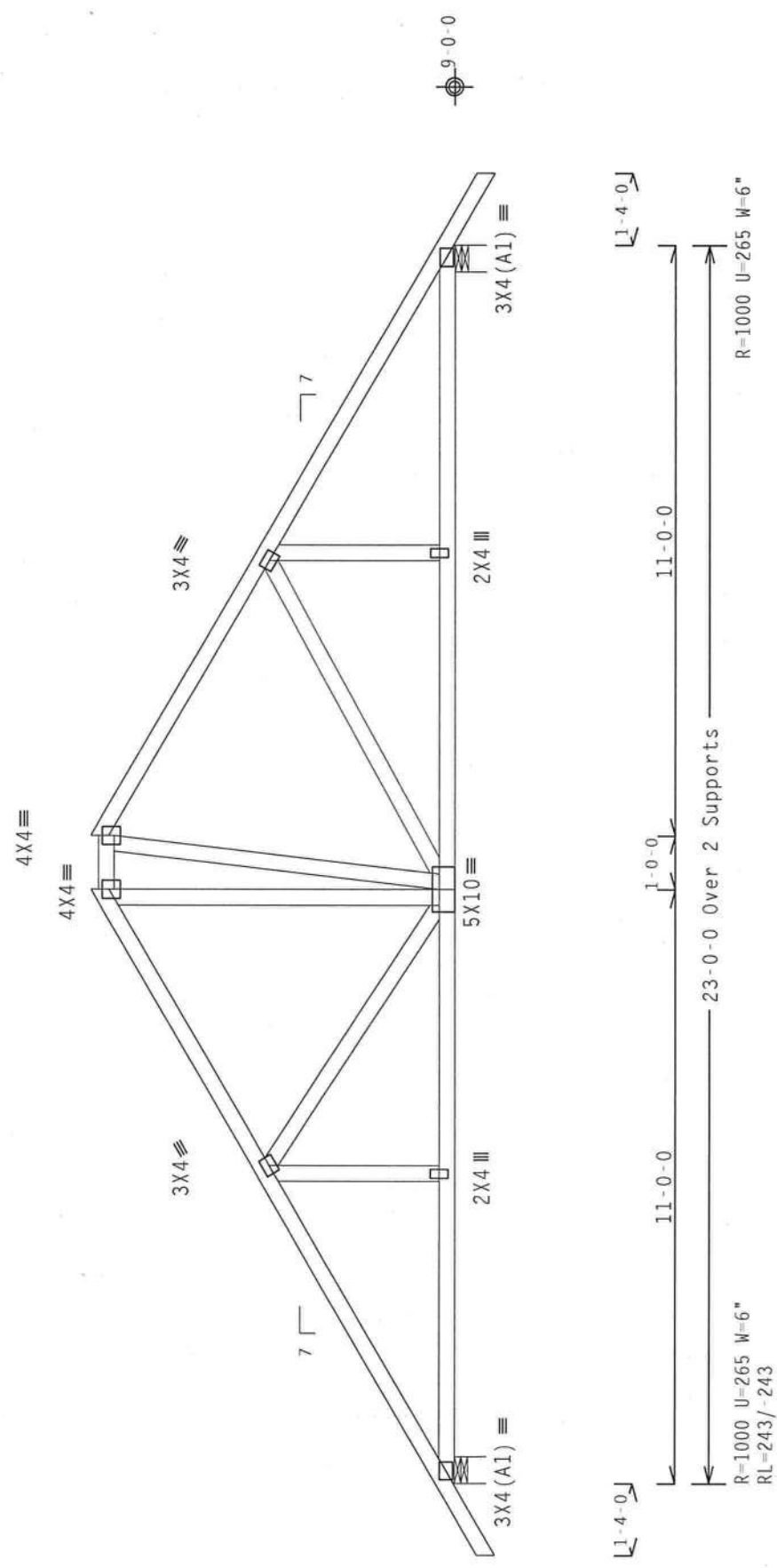
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

The overall height of this truss excluding overhang is 6-9-5.

Design Crit: FBC07HVHZRes/TPI-2002(STD)
 $FT/RT=20\%(0\%)/0(0)$

Scale = .3125" / Ft.

QTY:1 FL/-/5/-/-/R/-/-

00.

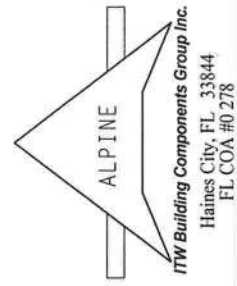
6 (0)0/10(0)

FT/RT=20% (1)

DESIGN CHART:

PLT TYP. Wave

TC LL	20.0	PSF	REF	R215--	22138
TC DL	10.0	PSF	DATE	07/15/09	
BC DL	10.0	PSF	DRW	HCUSR215	09196162
BC LL	0.0	PSF	HC-ENG	JB/AP	
TOT.LD.	40.0	PSF	SEQN-	212378	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	1TTD215_Z04	

[illegible]

Top chord	2x4	SP	#2	N
Bot chord	2x4	SP	#2	N
Webbs	2x4	SP	#2	N

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf, wind BC PL=1.00 GCPI(+/-)=0.18

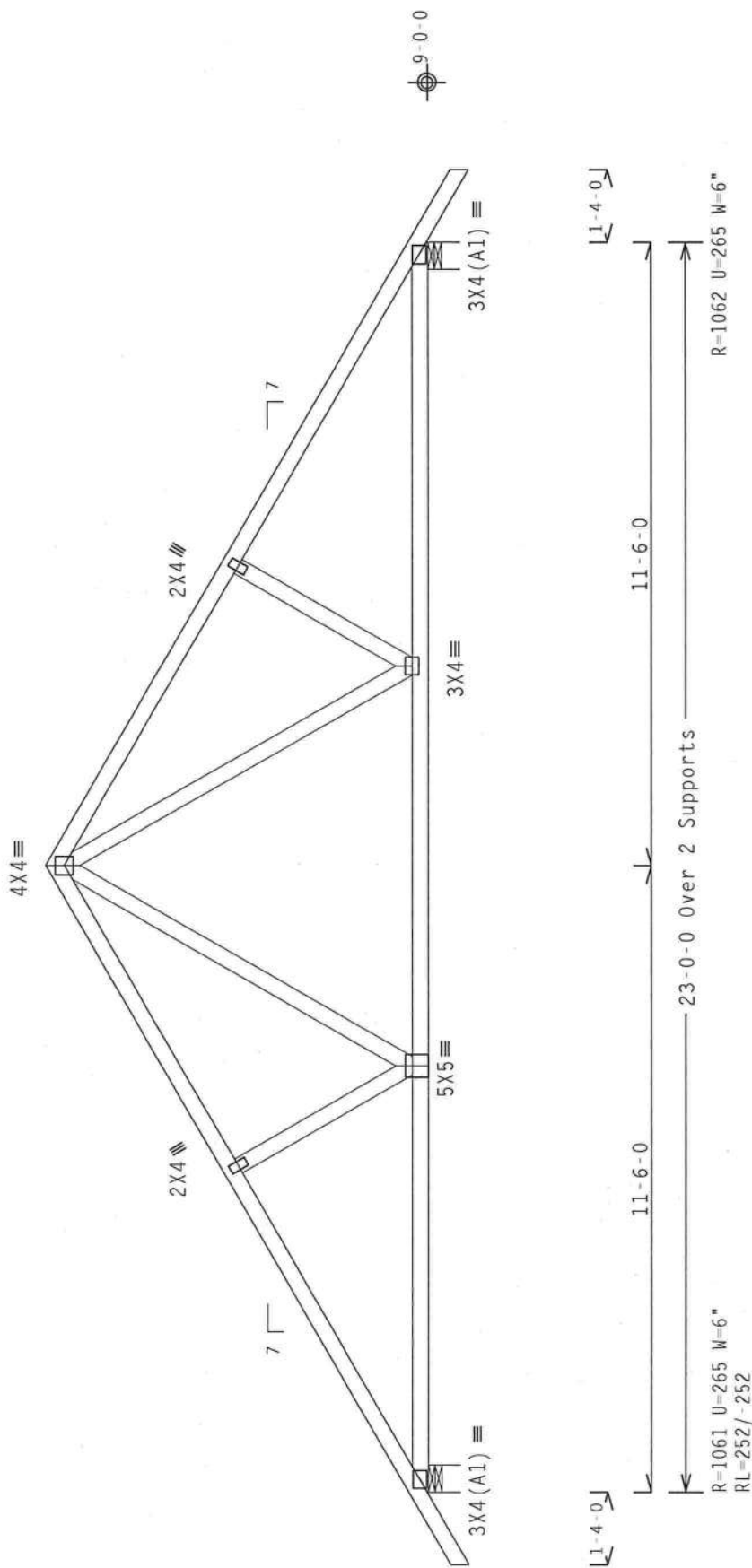
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 7-0-13.

Design Crit: FBC07HVHZRes/TPI-2002(STD)
FT/RT=20%(0%)/0(0)

PLT TYP. Wave

Scale = .3125"/Ft.

WARNING TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. (SEE PAGES 10-11)
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND MICA (800) 838-2888 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, WAUWATOSA, WI 53190, FAX (531) 971-5379 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

FF R215-- 22139

ATC	0711E100
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AIE 01/15/09

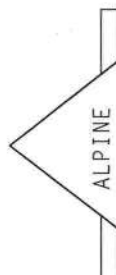
RW HCUSR215 09196129

C-ENG JB/AP

EQN- 212379

ROM I RB

REF- 1TTD215 704



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Haines City, FL 33844
FL COA #0 278



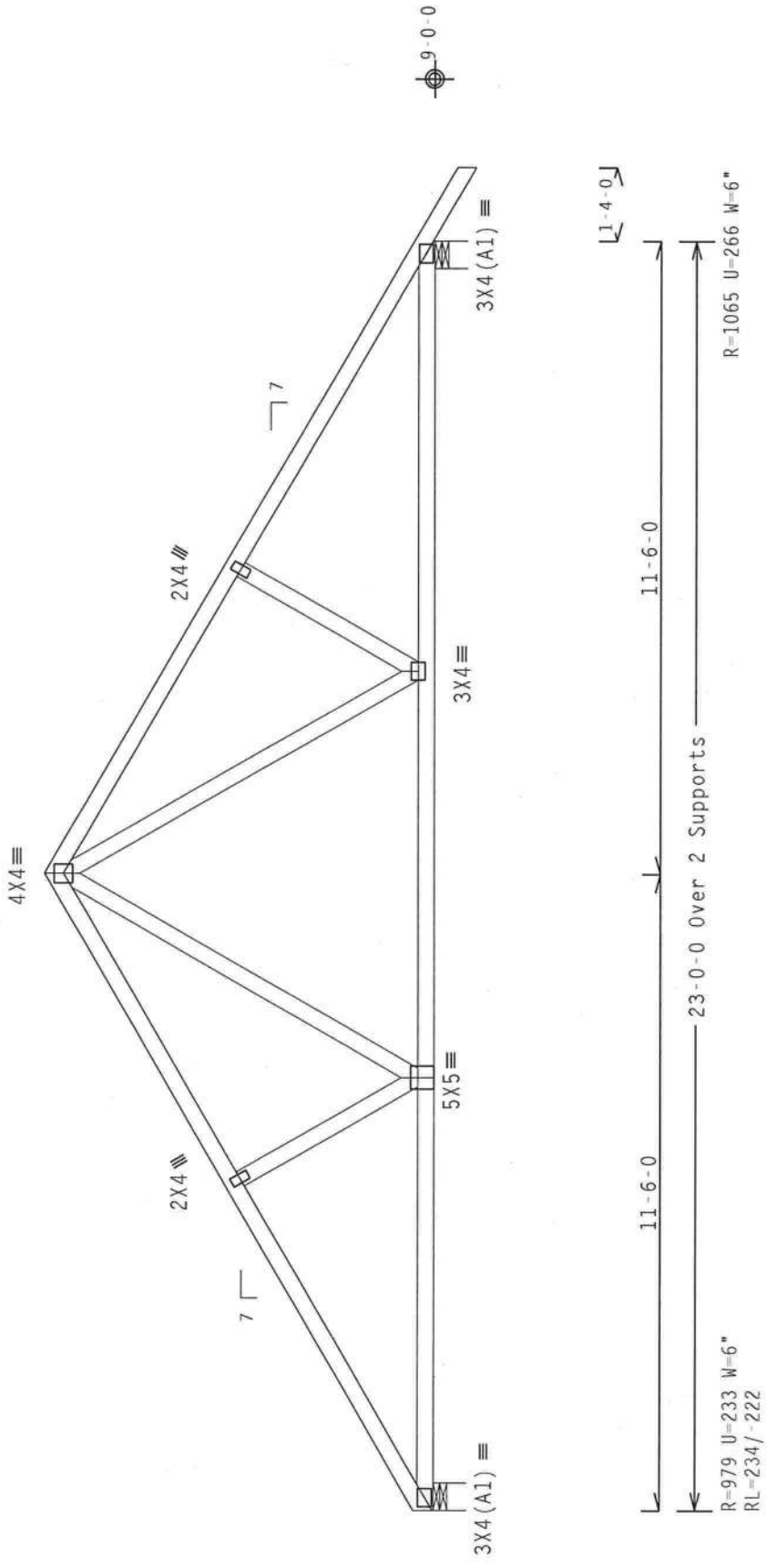
Jul 15 09

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcpi (+/-)=0.18

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

Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.
Bottom chord checked for 10.00 psf non-concurrent live load.
The overall height of this truss excluding overhang is 7-0-13.

Design Crit: FBC07HVHZRes/TPI-2002 (STD)
FT/RT=20%(0%)/0(0) 9

4	FL/-/5/-/-/R/-	Scale = .3125"/Ft.	
TC LL	20.0 PSF	REF	R215 - 22140
TC DL	10.0 PSF	DATE	07/15/09
BC DL	10.0 PSF	DRW	HCUSR215 09196138
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	212380
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1TTD215_Z04



ALPINE

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FL COA #0 278

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
 Top Chord: 1 Row @12.00" o.c.
 Bot Chord: 2 Rows @6.00" o.c. (Each Row)
 Webs : 1 Row @ 4" o.c.
 Use equal spacing between rows and stagger
 in each row to avoid splitting.

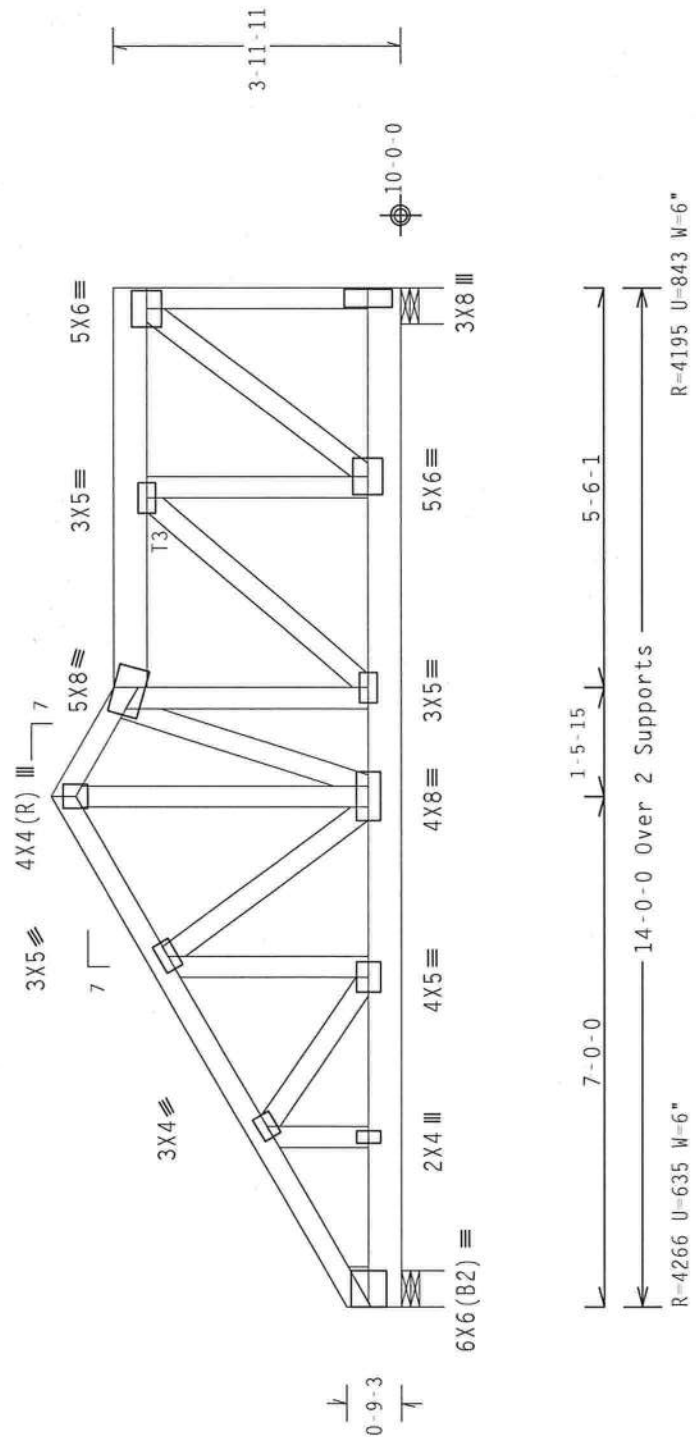
110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.

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

Design Crit: FBC07HVHZRes/TPI-2002(STD)
FT/RT=20%(0%)/0(0%)

FL/-/5/-/-/R/-		Scale = .375"/Ft.
TC LL	20.0 PSF	REF R215-- 22142
TC DL	10.0 PSF	DATE 07/15/09
BC DL	10.0 PSF	DRW HCUSR215 09196118
BC LL	0.0 PSF	HC-ENG JB/AP
TOT.LD.	40.0 PSF	SEQN- 214802
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1TTD215_Z04



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE FOLLOWING INFORMATION IS NOT TO BE CONSIDERED A SUBSTITUTE FOR THE MANUFACTURER'S INSTRUCTIONS. THE USER SHALL OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL, STATE AND FEDERAL GOVERNMENTS OF THE JURISDICTION WHERE THE TRUSS IS TO BE USED. THE USER SHALL OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL, STATE AND FEDERAL GOVERNMENTS OF THE JURISDICTION WHERE THE TRUSS IS TO BE USED. THE USER SHALL OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL, STATE AND FEDERAL GOVERNMENTS OF THE JURISDICTION WHERE THE TRUSS IS TO BE USED.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITB BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE OF TRUSSES IN COMPLIANCE WITH TPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC, BY ACPA) AND TPI. TIB BCG CONNECTION PLATES ARE MADE OF 20X19/16GA (W/H=25X8") ASTM A653 GRADE 40/60 (H, K/H=55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ALPINE

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Haines City, FL 33844
FL COA #0278

