

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: IT8M215-Z0402100255

Truss Fabricator: W.B. Howland
Job Identification: 4700-/KEITH & BETTY GORDON HANG /EDGELY CONSTRUCTION -- LAKE CITY, FL
Truss Count: 63
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.36.
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 7-02 -Closed



Seal Date: 07/02/2007

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

-Truss Design Engineer-
James F. Collins Jr.

Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-CNBRGBLK-

#	Ref	Description	Drawing#	Date
1	07109--A1		07183029	07/02/07
2	07110--A2		07183030	07/02/07
3	07111--A3		07183031	07/02/07
4	07112--A4		07183032	07/02/07
5	07113--A5		07183001	07/02/07
6	07114--A6		07183002	07/02/07
7	07115--A7		07183003	07/02/07
8	07116--A8		07183004	07/02/07
9	07117--A9		07183005	07/02/07
10	07118--A10		07183006	07/02/07
11	07119--A11		07183007	07/02/07
12	07120--A12		07183008	07/02/07
13	07121--A13		07183009	07/02/07
14	07122--A14		07183010	07/02/07
15	07123--A15		07183011	07/02/07
16	07124--A16		07183033	07/02/07
17	07125--A17		07183034	07/02/07
18	07126--A18		07183012	07/02/07
19	07127--A19		07183035	07/02/07
20	07128--A20		07183036	07/02/07
21	07129--A21		07183037	07/02/07
22	07130--A22		07183038	07/02/07
23	07131--A23		07183039	07/02/07
24	07132--A24		07183040	07/02/07
25	07133--A25		07183041	07/02/07
26	07134--A26		07183042	07/02/07
27	07135--A27		07183043	07/02/07
28	07136--A28		07183044	07/02/07
29	07137--A29		07183045	07/02/07
30	07138--A30		07183046	07/02/07
31	07139--A31		07183047	07/02/07
32	07140--A32		07183048	07/02/07
33	07141--A33		07183049	07/02/07
34	07142--A34		07183050	07/02/07
35	07143--A35		07183051	07/02/07
36	07144--A36		07183052	07/02/07

#	Ref	Description	Drawing#	Date
37	07145--A37		07183053	07/02/07
38	07146--A38		07183054	07/02/07
39	07147--A39		07183013	07/02/07
40	07148--A40		07183014	07/02/07
41	07149--A41		07183015	07/02/07
42	07150--A42		07183016	07/02/07
43	07151--A43		07183055	07/02/07
44	07152--A44		07183056	07/02/07
45	07153--A45		07183017	07/02/07
46	07154--A46		07183018	07/02/07
47	07155--JC1		07183057	07/02/07
48	07156--JC1A		07180207	06/29/07
49	07157--JC3		07183019	07/02/07
50	07158--JC3A		07183020	07/02/07
51	07159--JC5		07183021	07/02/07
52	07160--JC5A		07183022	07/02/07
53	07161--JC5B		07183023	07/02/07
54	07162--JE4		07183024	07/02/07
55	07163--JE5		07183025	07/02/07
56	07164--JE6		07183026	07/02/07
57	07165--JE7		07183027	07/02/07
58	07166--JE7A		07183028	07/02/07
59	07167--JH5		07183058	07/02/07
60	07168--JH7		07183059	07/02/07
61	07169--JH8		07183060	07/02/07
62	07170--JH10		07183061	07/02/07
63	07171--JH10A		07183062	07/02/07



Top chord 2x4 SP #2 N : T3 2x4 SP SS:
: T4 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 N : B2 2x4 SP SS:
Webs 2x4 SP #2 N

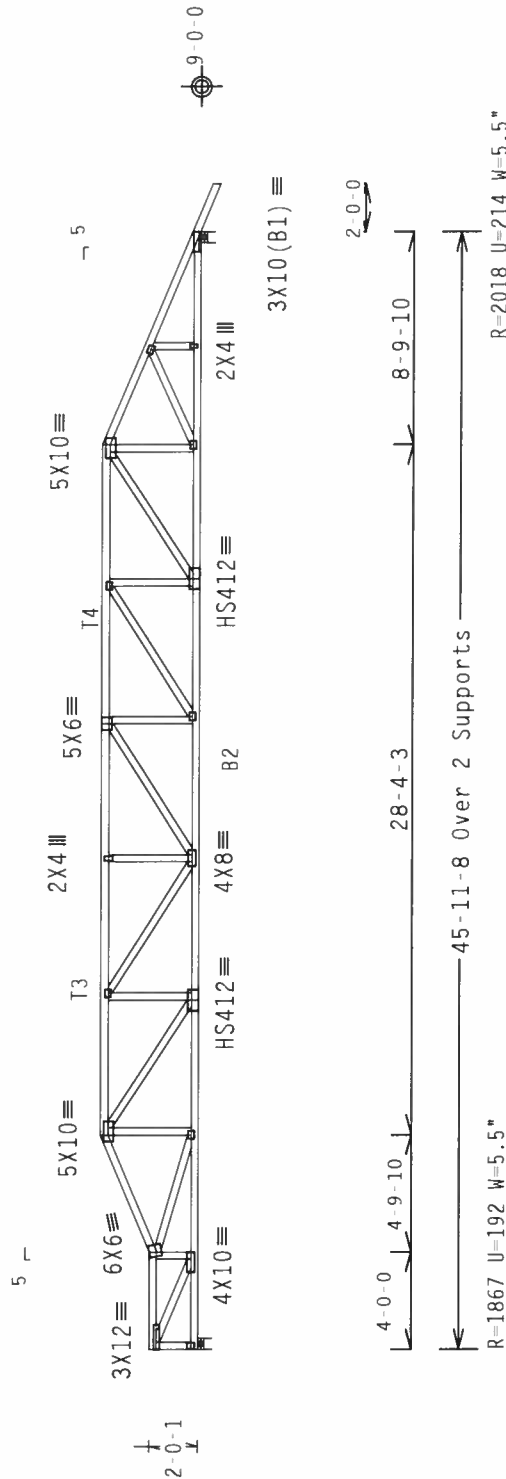
Left end vertical not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.57" DL: 0.58" recommended camber 1"

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

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 4-0-1.

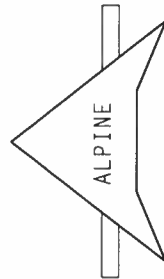


Note: All Plates Are 3X4 Except As Shown.

PLT TYP. 20 Gauge HS, Wave

QTY:1 FL/-/5/-/-/R/-
Scale = .125"/Ft.

TC LL	20.0	PSF	REF	R215 -	7111
TC DL	10.0	PSF	DATE	07/02/07	
BC DL	10.0	PSF	DRW	HCUSR215	07183031
BC LL	0.0	PSF	HC-ENG	EC/AP	
TOT.LD.	40.0	PSF	SEQN-	186571	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T8M215_Z04	



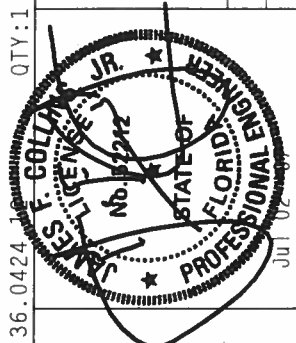
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

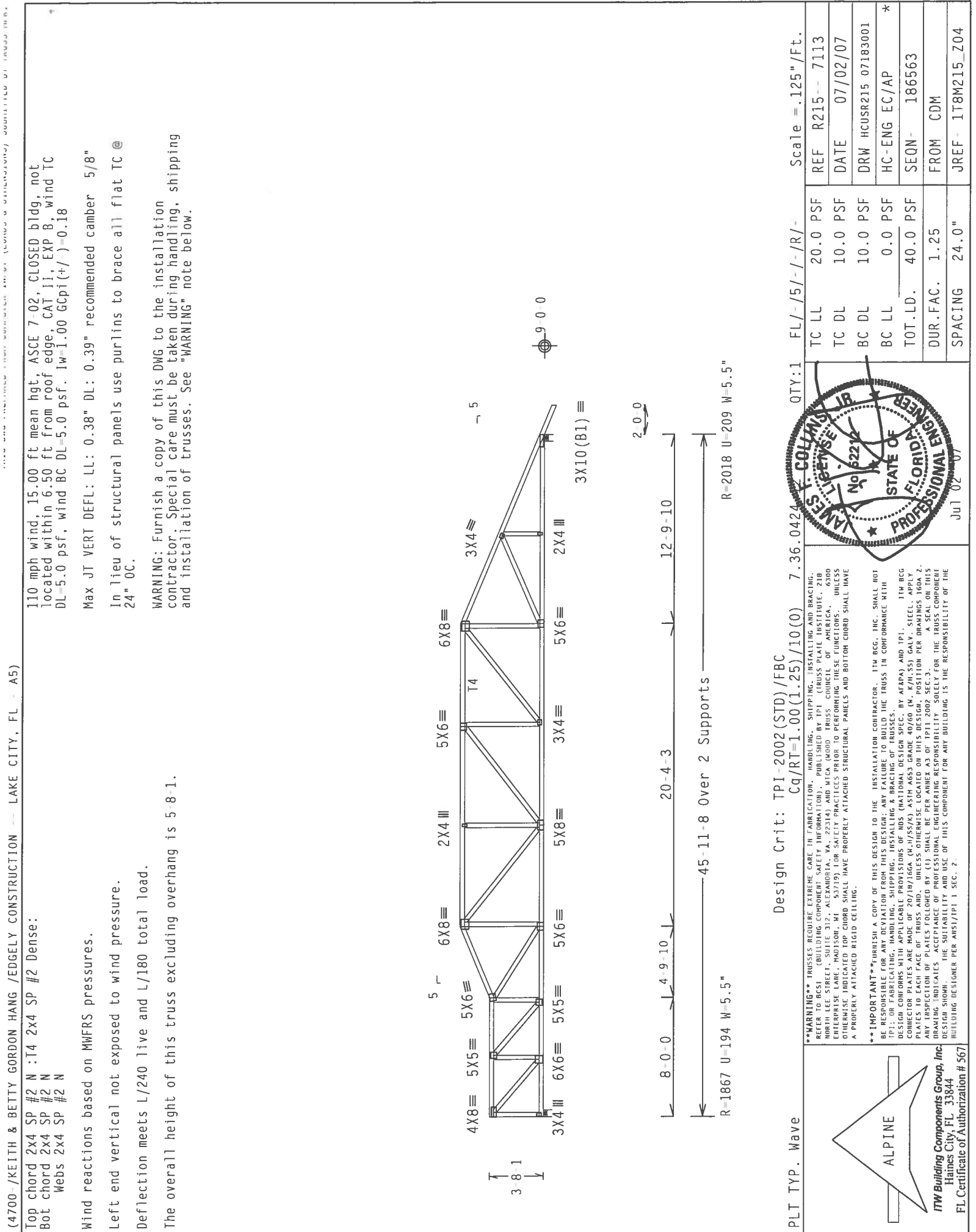
[illegible]

*****IMPORTANT****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. JTW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN DRAWING, INCLUDING, BUT NOT LIMITED TO, BRACING OR BRACING OF TRUSSES.

DESIGN CHANGES WITH REGARD TO CONNECTIONS, BRACING AND/OR DIMENSIONS SPEC'D BY ATRPA) AND TPI. JTW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA./A572GR. UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS. 2. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS. 3. A SEAL ON THIS INSPECTION OF PLATES FOLLOWED BY (1). SHALL BE PER ANEX A-3 OF TPI-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 ANSI/TPI 1 SEC. 2.





(4700 -/KEITH & BETTY GORDON HANG /EDGELY CONSTRUCTION -- LAKE CITY, FL - A5)

Top chord 2x4 SP #2 N : T4 2x4 SP #2 Dense:

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

Wind reactions based on MWFRS pressures.

Left 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 5'-8-1".

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpf(+/-)0.18

Max JT VERT DEFL: LL: 0.38" DL: 0.39" recommended camber 5/8"

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

WARNING: Furnish a copy of this DWG to the contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

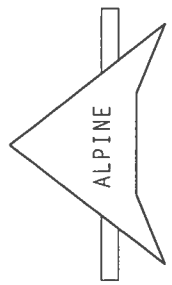
7.36.0424

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

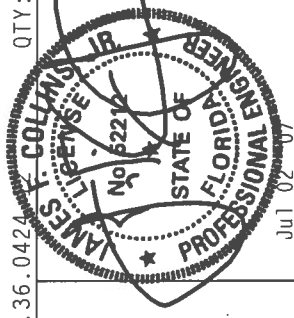
Scale = .125"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, HADISON, MI 48371) 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/1818GA (A17/557K) ASTM A563 GRADE 40/60 (W. K/N.55) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY SHALL BE PERFORMED BY THE USER. SEE DRAWING FOR DIMENSIONS. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS 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.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R215--	7113
TC DL	10.0 PSF	DATE	07/02/07	
BC DL	10.0 PSF	DRW	HCUSR215	07183001
BC LL	0.0 PSF	HC-ENG	EC/AP	*
TOT.LD.	40.0 PSF	SEQN-	186563	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T8M215_Z04	

5-704

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 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, 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.

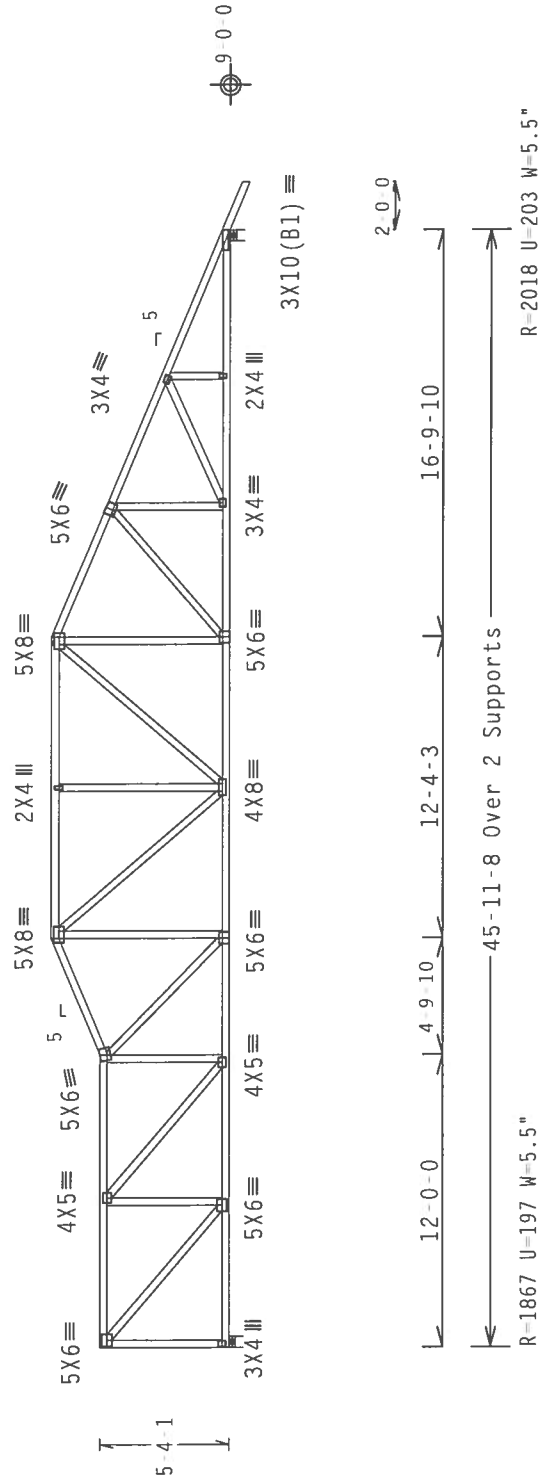
Left end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 7-4-1.

Max JT VERT DEFL: LL: 0.30" DL: 0.31" recommended camber 1/2"
In lieu of structural panels use purlins to brace all flat TC
24" OC.

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.



R=1867 U=197 W=5.5"

45-11-8 Over 2 Supports

R=2018 U=203 W=5.5"

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$

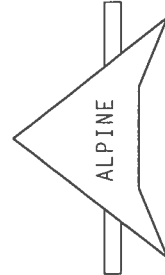
QTY:1

FL/5/-/-/R/-

Scale = 1.25"/Ft.

***WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESISTING BUILDING COMPONENTS, PUBLISHED BY THE CROSS PLATE INSTITUTE, 210 WEST BOWLING GREEN, CLEVELAND, OH 44115, FOR SAFETY INFORMATION. ALSO SEE THE FOLLOWING: AISC, 1801 MARKET STREET, PITTSBURGH, PA 15222, 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****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH 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 OR BRACING OF TRUSSES. THE TRUSS SHALL BE DESIGNED TO BE USED WITH 17K BCG TRUSS CONNECTOR PLATES MADE OF 2010ALUMINUM ALLOY/CLASSED GRADE SPEC. BY AFIPA) AND TPI PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANHX 43 OF TPI-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.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

TC LL	20.0 PSF	REF	R215 - 7115
TC DL	10.0 PSF	DATE	07/02/07
BC DL	10.0 PSF	DRW	HCUSR215 07183003
BC LL	0.0 PSF	HC-ENG	EC/AP *
TOT.LD.	40.0 PSF	SEQN -	186555
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF -	178M215_Z04

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

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 8'-2-1/2".

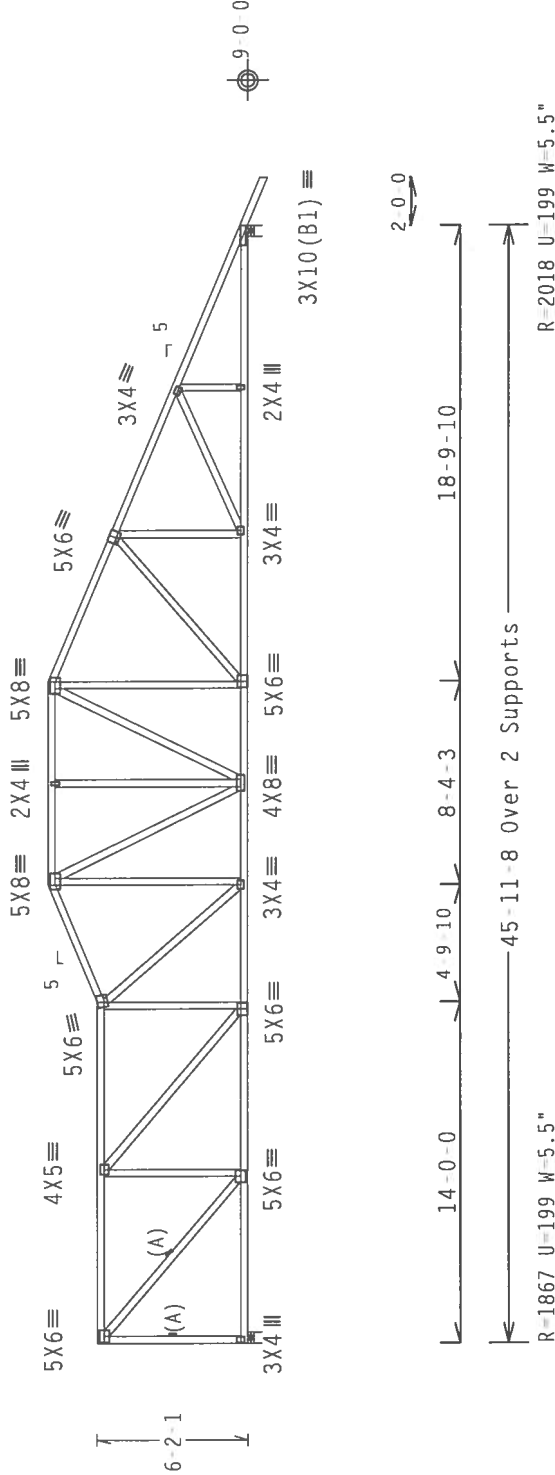
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $1w=1.00 \text{ GCpl}(+/-)=0.18$

Max JT VERT DEFL: LL: 0.29" DL: 0.29" recommended camber 1/2"

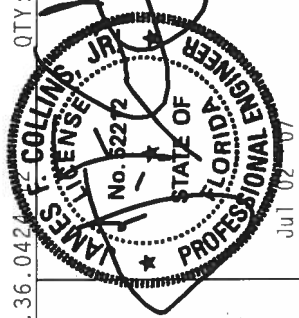
(A) Continuous lateral bracing equally spaced on member.

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

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.

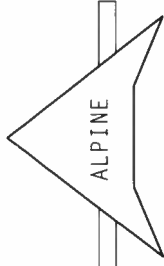


PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/5/-/R/-



****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 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. ITM 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. ITM BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PJ) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (40/60 (4, 4/16, 5/8) 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) QUALIFIED ENGINEER OR (2) QUALIFIED INSPECTOR FOR THE TRUSS. THIS DESIGN SHOWS THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

REF	R215--	7116
DATE	07/02/07	
DRW	HCUSR215	07183004
HC-ENG	EC/AP	*
SEQN	186551	
FROM	CDM	
JREF	1T8M215_Z04	

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 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, 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.

Max JT VERT DEFL: LL: 0.28" DL: 0.28" recommended camber 1/2"

Left end vertical not exposed to wind pressure.

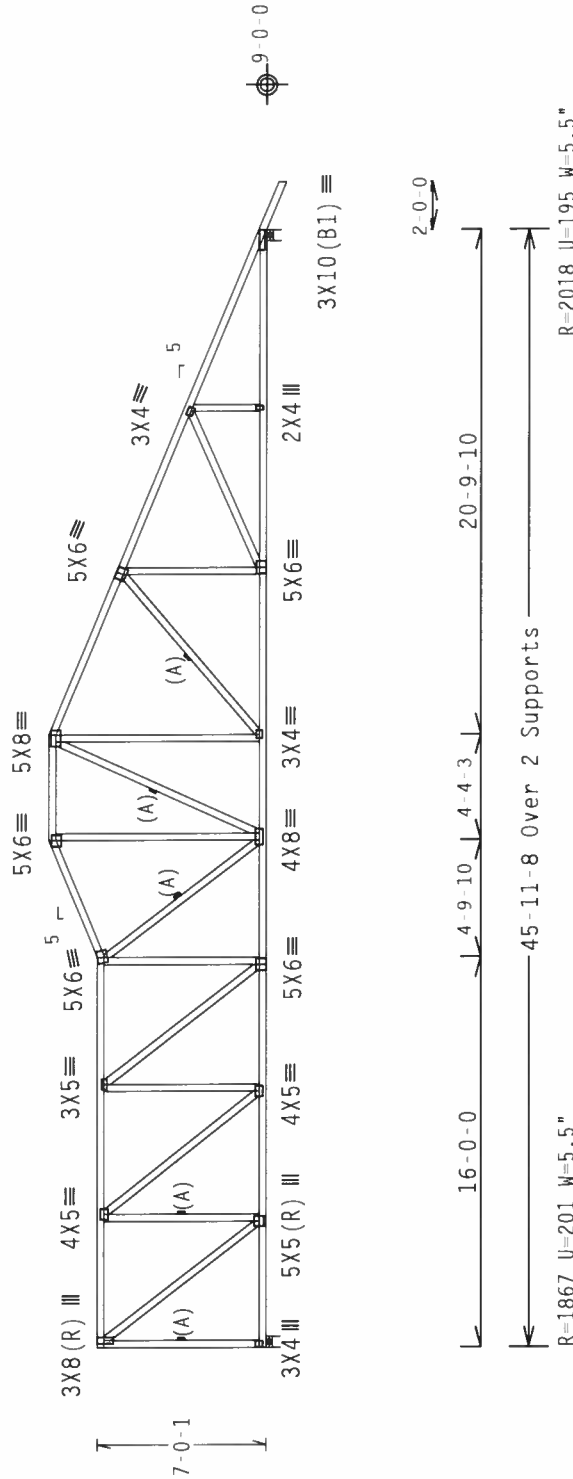
(A) Continuous lateral bracing equally spaced on member.

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 9'-0"-1".

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.



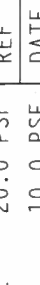
R=1867 U=201 W=5.5"

R=2018 U=195 W=5.5"

Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/5/-/-/R/-/- Scale = .125"/Ft.

PLT TYP. Wave



ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

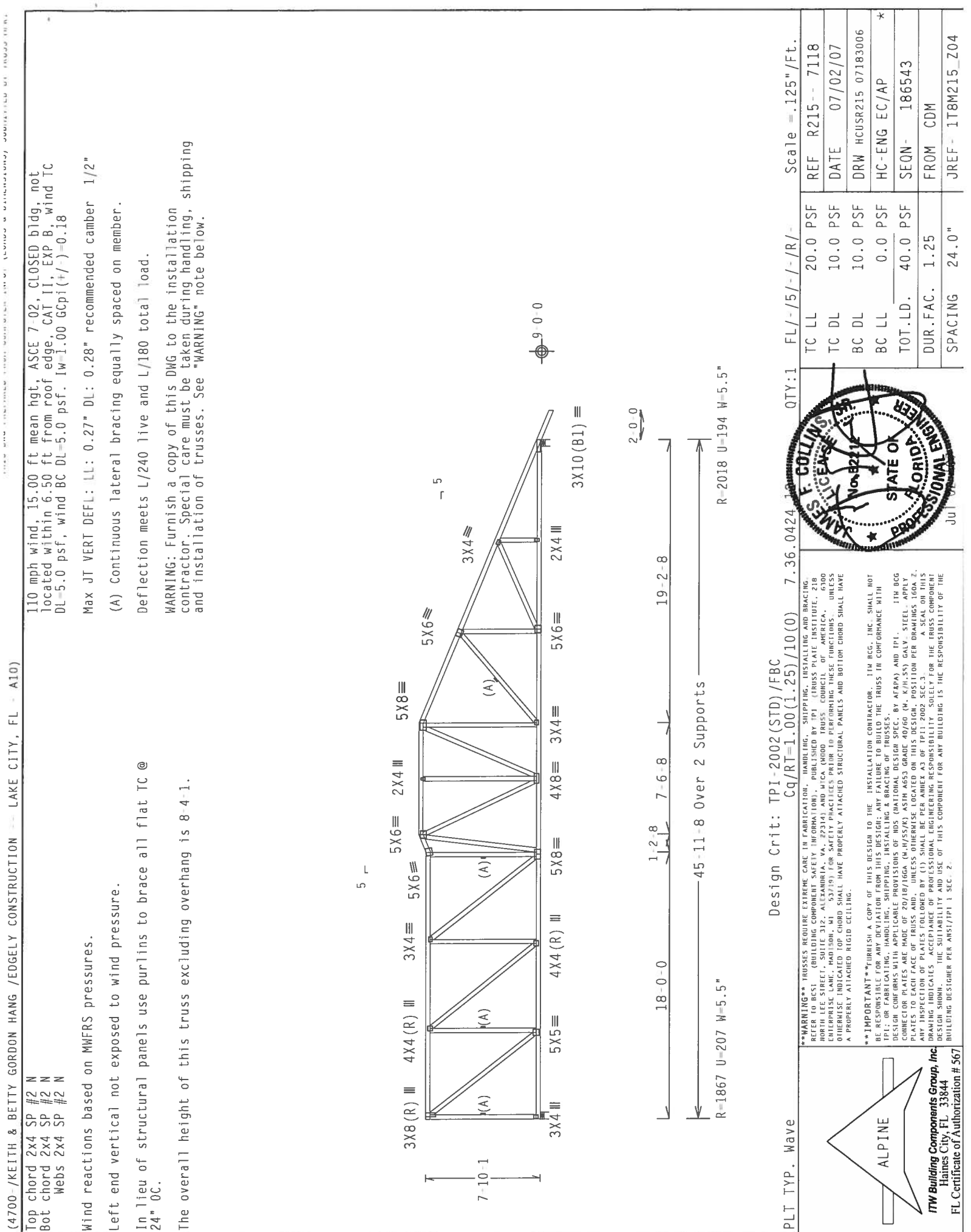
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY ITPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND RICK (WOOD TRUSS COUNCIL OF AMERICA, 6300 CHIFFINDEE LANE, ANDERSON, SC 29625) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL TRUSSES 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 THE DESIGN, INCLUDING THE INSTALLING & BRACING INSTRUCTIONS, SHALL BE THE RESPONSIBILITY OF THE USER. THE REG. DESIGN CONTRACTOR MUST PROVIDE PROPER TRUSS DESIGN (PER AFPA) AND TP1. THE REG. CONNECTOR PLATES ARE MADE OF 20/18/16GA (24 A/S/S/K) ASTM A653 GRADE 40/60 (24, 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 ANSI A3 OF TP1-2002 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/ITPI 1 SEC. 2.



JAMES F. COLLINS
PROFESSIONAL ENGINEER
STATE OF FLORIDA
NO. 92219

TC LL	20.0 PSF	REF	R215 -- 7117
TC DL	10.0 PSF	DATE	07/02/07
BC DL	10.0 PSF	DRW	HCUSR215 07183005
BC LL	0.0 PSF	HC-ENG	EC/AP *
TOT. LD.	40.0 PSF	SEQN	186547
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	1T8M215_Z04



(4700-)/KEITH & BETTY GORDON HANG /EDGELY CONSTRUCTION -- LAKE CITY, FL - A10)

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

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 8'-4-1.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Max JT VERT DEFL: LL: 0.27" DL: 0.28" recommended camber 1/2"

(A) Continuous lateral bracing equally spaced on member.

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

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.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.36.0424 12

Scale = .125"/Ft.

REF R215 - 7118

DATE 07/02/07

DRW HCUSR215 07183006

HC-ENG EC/AP *

SEQN- 186543

FROM CDM

JREF- 1T8M215_Z04

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

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

QTY: 1

James F. Collins, Professional Engineer, State of Florida, License No. 82112, Exp. 12/31/2008

ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567

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

wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 8-3-1.

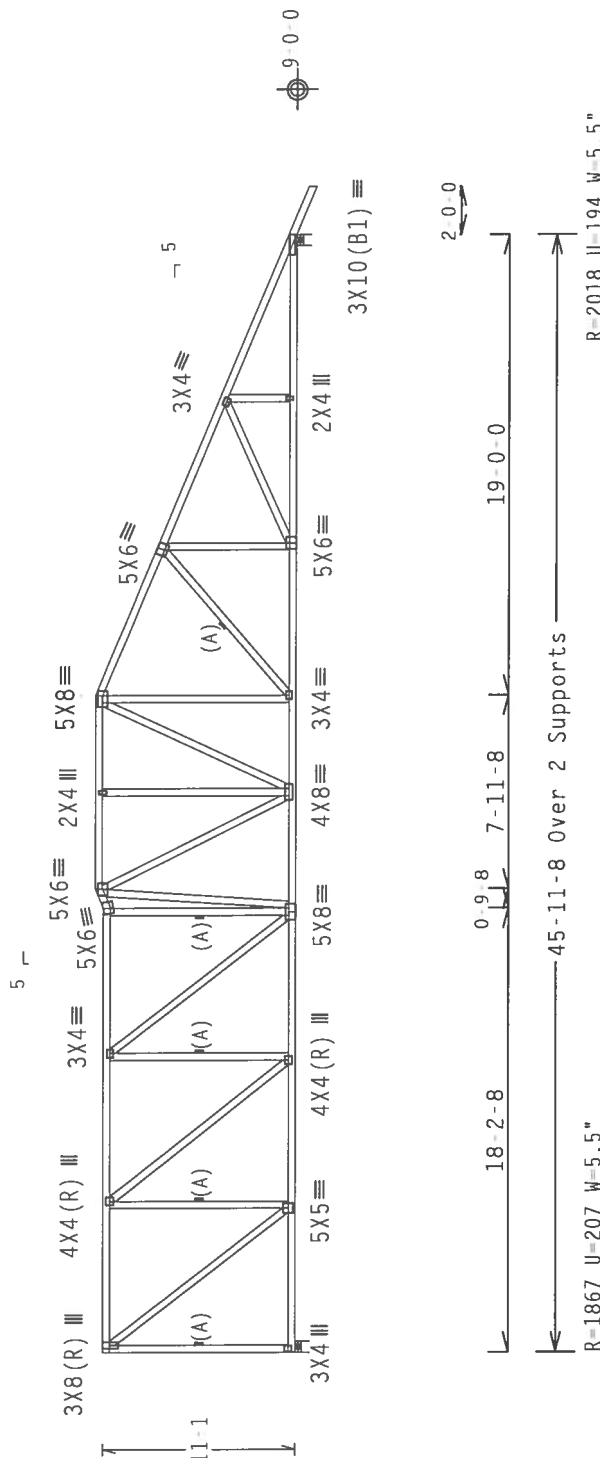
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $1w1.00 GCpi(+/-)0.18$

Max JT VERT DEFL: LL: 0.27" DL: 0.28" recommended camber 1/2"

(A) Continuous lateral bracing equally spaced on member.

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

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.



Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0)$$

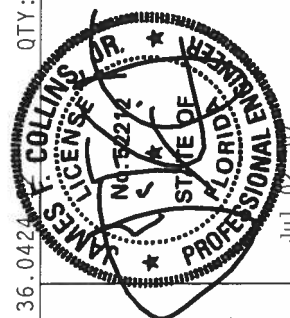
Scale = .125"/Ft.

QTY:1

FL/15/18/R/

[illegible]

****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-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG HAS REVIEWED AND APPROVED THE PROVISIONS OF THIS TOTAL DESIGN SPEC. BY AFKPA) AND TPI-1. ALL CONNECTOR PLATES ARE MADE TO 18750 PSI YIELD STRENGTH STEEL PER AISC 360-10. ALL GALE STEEL CONNECTION PLATES ARE MADE TO 18750 PSI YIELD STRENGTH STEEL PER AISC 360-10. ALL GALVALUMED PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS AGG 2 THROUGH AGG 7. ANY INSPECTION OF PLATES FOLLOWED BY (1). SHALL BE PER ANHIX A3 OF TPI-1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING SUPERVISORY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI-1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 7-5-1.

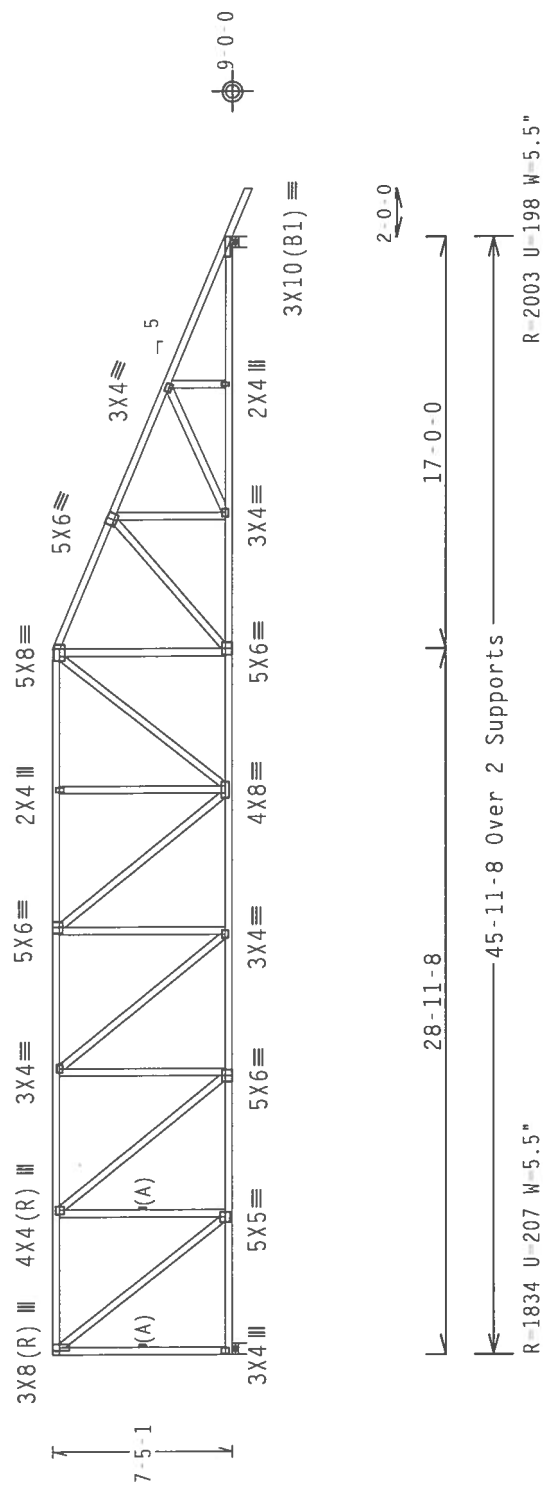
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpi(+/-)=0.18

Max JT VERT DEFL: LL: 0.28" DL: 0.28" recommended camber 1/2"

(A) Continuous lateral bracing equally spaced on member.

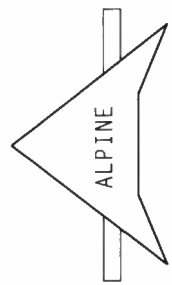
Deflection meets L/240 live and L/180 total load.

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.

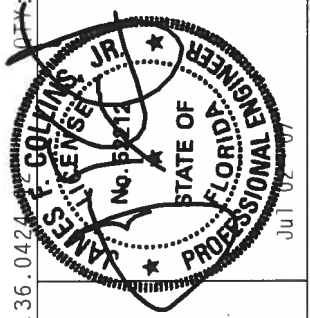


Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424

PLT TYP. Wave	Scale = .125"/Ft.
REF R215-- 7120	TC LL 20.0 PSF
DATE 07/02/07	TC DL 10.0 PSF
DRW HCUSR215 07183008	BC DL 10.0 PSF
HC-ENG EC/AP	BC LL 0.0 PSF
SEQN- 186535	TOT.LD. 40.0 PSF
FROM CDM	DUR.FAC. 1.25
JREF- 1T8M215_Z04	SPACING 24.0"



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCA (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.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (M-H/SS/K) ASTM A653 GRADE 40/60 (M, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. 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.

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 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Max JT VERT DEFL: LL: 0.32" DL: 0.31" recommended camber 1/2"

Left end vertical not exposed to wind pressure.

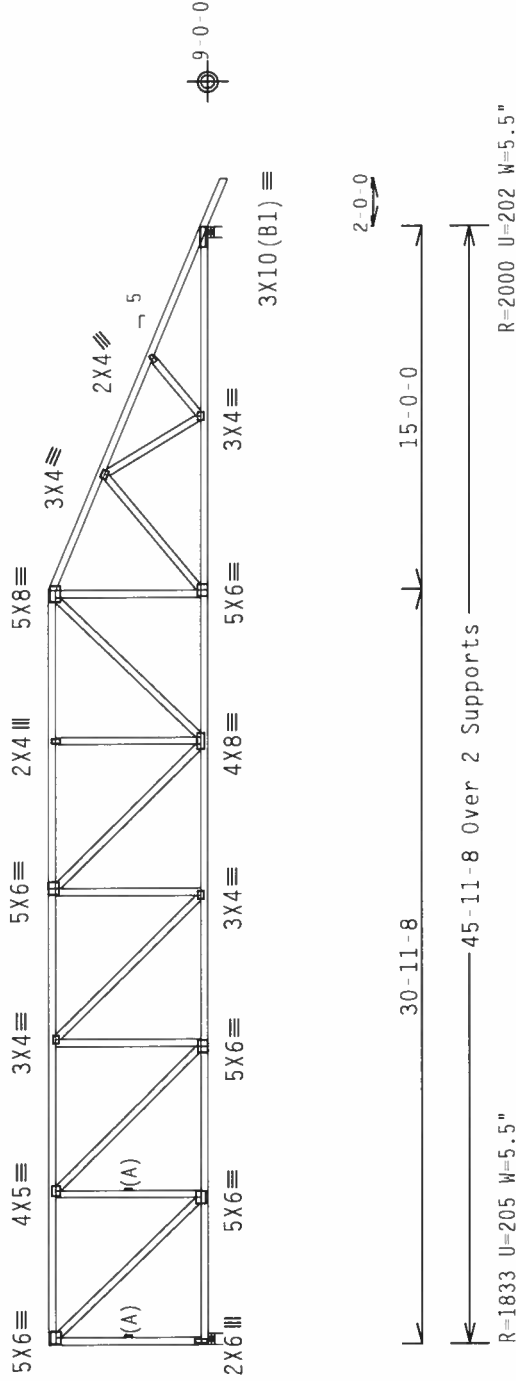
(A) Continuous lateral bracing equally spaced on member.

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 6-7-1.

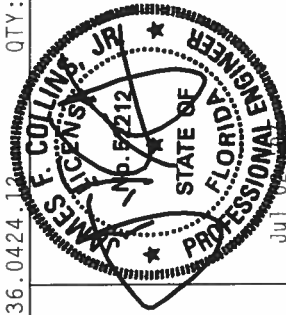
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R215--	7121
TC DL	10.0 PSF	DATE	07/02/07	
BC DL	10.0 PSF	DRW	HCUSR215	07183009
BC LL	0.0 PSF	HC-ENG	EC/AP	*
TOT.LD.	40.0 PSF	SEQN-	186531	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T8M215_Z04	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS COMPANY SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE DESIGN SPEC. (SEE SPEC. 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

ALPINE

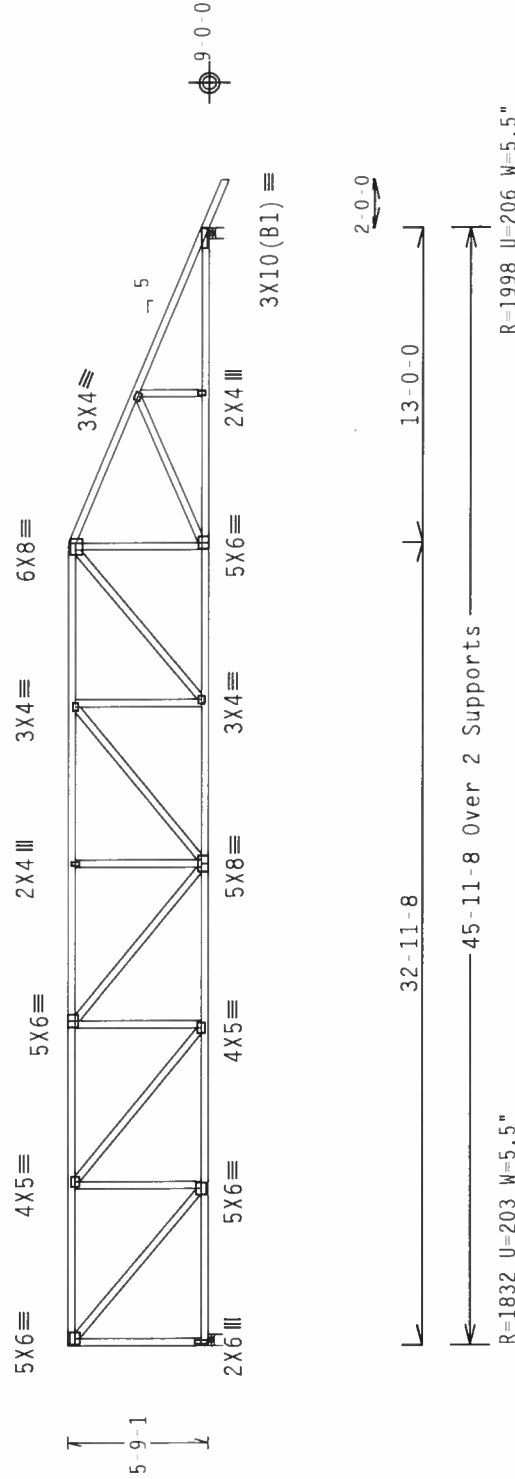
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $w=1.00$ GCPI (+/-)=0.18

Max JT VERT DEFL: LL: 0.37" DL: 0.36" recommended camber 5/8"

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

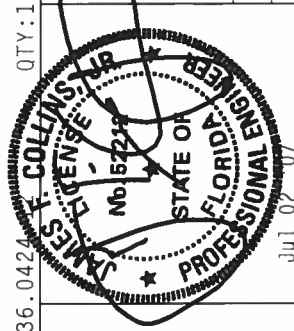
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



PLT TYP. Wave

QTY:1 FL/-/5/-/-/R/-/- Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R215 - 7122
TC DL	10.0 PSF	DATE	07/02/07
BC DL	10.0 PSF	DRW	HCUSR215 07183010
BC LL	0.0 PSF	HC-ENG	EC/AP *
TOT.LD.	40.0 PSF	SEAN-	186527
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T8M215_Z04



Jul 02 07

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Haines City, FL 33844
FL Certificate of Authorization # 567

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

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

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

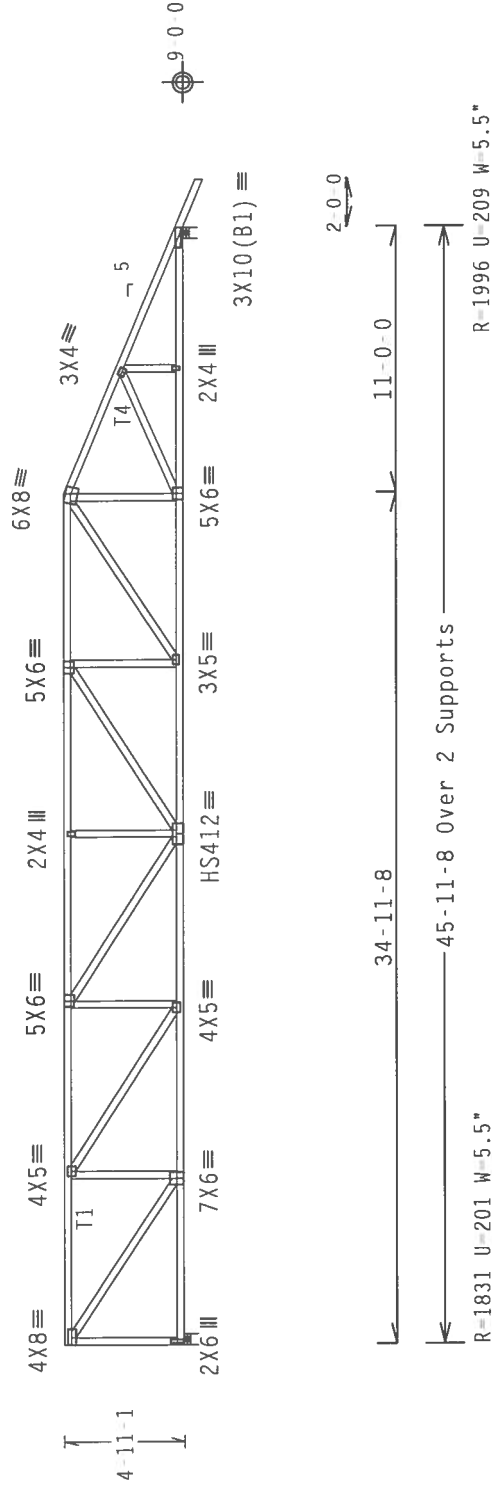
The overall height of this truss excluding overhang is 4-11-1.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

Max JT VERT DEFL: LL: 0.42" DL: 0.42" recommended camber 3/4"

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

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.

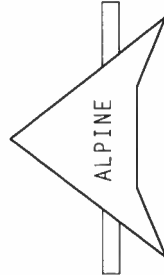


PLT TYP. 20 Gauge HS.Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:1 FL/-/5/-/-/R/-

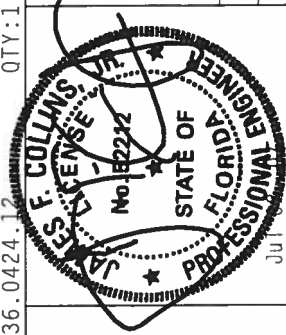
Scale = .125"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE FOLLOWING: BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI, (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND NCEA (NATIONAL COUNCIL OF ENGINEERING, 1000 ZEEB 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 THE FOLLOWING: BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI, (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND NCEA (NATIONAL COUNCIL OF ENGINEERING, 1000 ZEEB 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.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



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"

REF	R215-- 7123
DATE	07/02/07
DRW	HCUSR215 07183011
HC-ENG	EC/AP
SEQN	186523
FROM	CDM
JREF	1T8M215_Z04

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

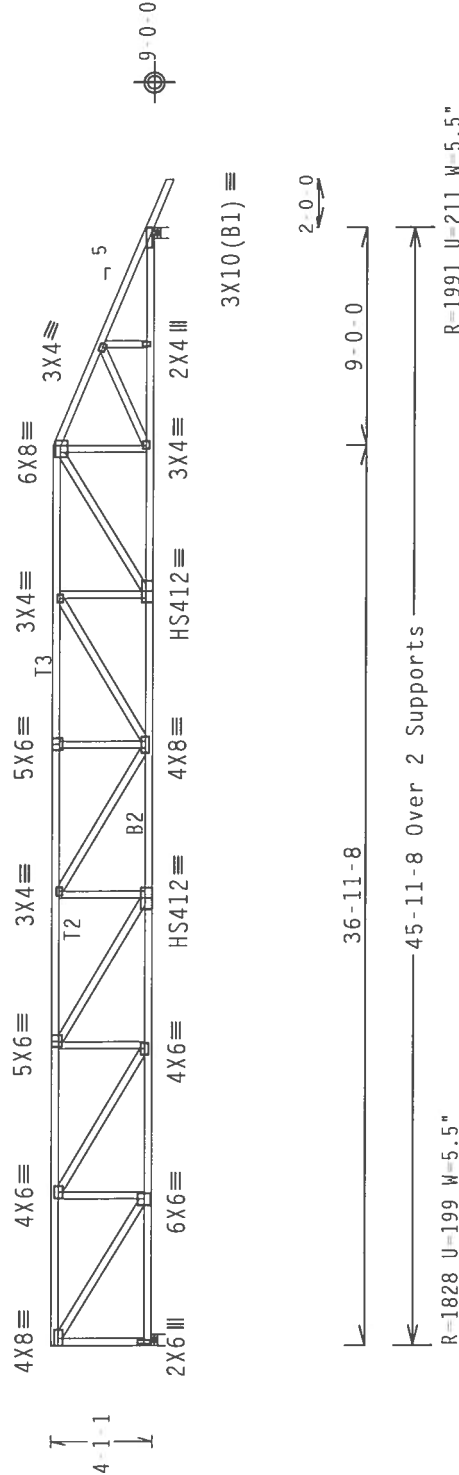
Calculated horizontal deflection is 0.13" due to live load and 0.13" due to dead load.

0.13 due to dead load.

Max J1 VEK1 DEFL: LL: 0.56 DL: 0.56 Recommended camber L
Deflection meets L/240 live and L/180 total load

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.

and installation of cruses. See "WARNING" note below.



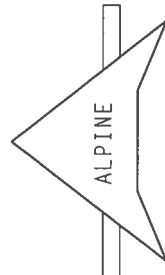
Design Crit: TPI-2002(STD)/FBC

424.13

Scale = 125"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY BSS PLATE TITLE, 218 NORTH LEE STREET, SUITE 312, AUSTIN, TEXAS 78701, (512) 476-1100, WWW.BSSCORP.COM, FOR TRUSS CONSTRUCTION, ERECTION AND BRACING INFORMATION. SEE THE BSS TRUSS CONSTRUCTION, ERECTION AND BRACING MANUAL, 537-101, 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 TRUSS IN CONFORMANCE WITH THE DESIGN CONFORMS WITH APPLICABLE BUILDING AND FACTING OF THESE. THE TRUSS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN PROVIDES THE FOLLOWING: TOP CHORDS BY AT&P&P AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 70AL/16GA / 4X/253/15 ASH A653 GRADE 40/60 / 4 X/155 GALV. STEEL. THE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX 43 OF TPI/ 2002 SEC. 3. THE 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 AMX/TPI 1 SEC. 2.



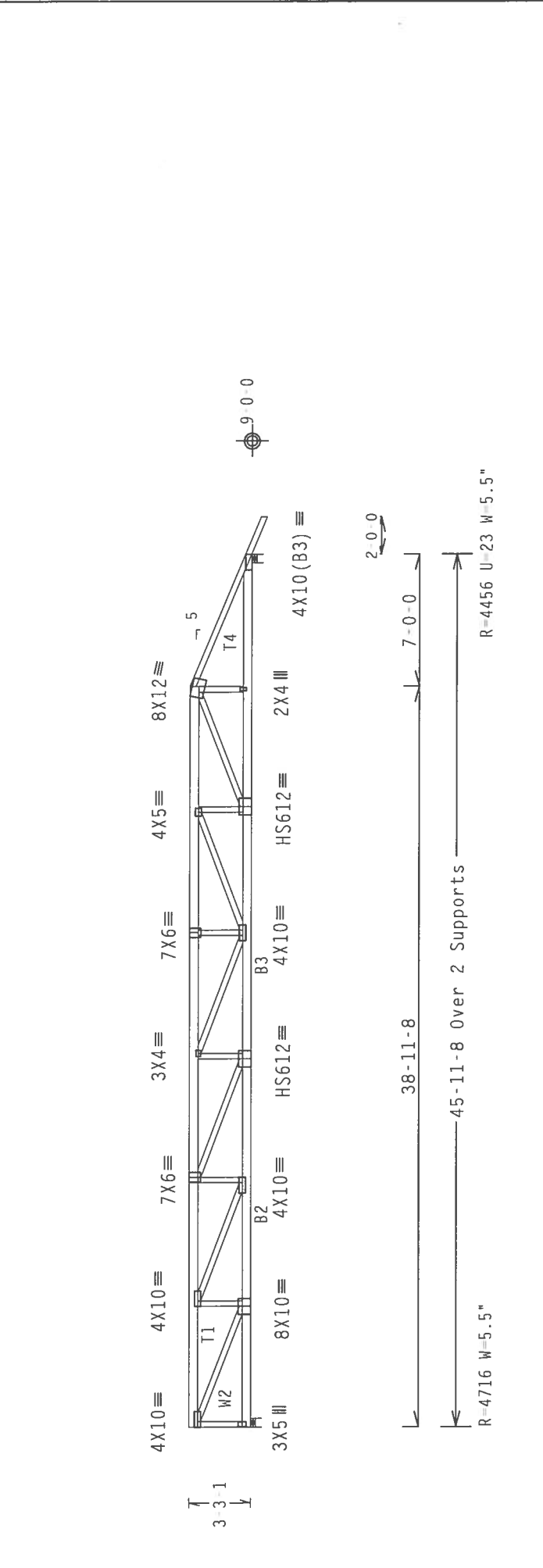
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

TC LL	20.0	PSF	REF	R215 - -	7124
TC DL	10.0	PSF	DATE	07/02/07	
BC DL	10.0	PSF	DRW	HCUSR215	07183033
BC LL	0.0	PSF	HC-ENG	EC/AP	
TOT.LD.	40.0	PSF	SEQN-	186519	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T8N215	Z04

2 COMPLETE TRUSSES REQUIRED

Top chord 2x6 SP #2 Dense :T1 2x6 SP #2 N :T4 2x4 SP #2 N :
Bot chord 2x6 SP #2 N :B2, B3 2x6 SP #5:
Webs 2x4 SP #2 N :W2 2x4 SP #2 Dense:
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf. Iw=1.00 GCpi(+/-) 0.18
Wind reactions based on MMFRS pressures.
Left end vertical not exposed to wind pressure.
Max JT VERT DEFL: LL: 0.66" DL: 0.95" recommended camber 1 5/8"
#1 hip supports 7-0-0 jacks with no webs.
Deflection meets L/240 live and L/180 total load.
Calculated vertical deflection is 0.66" due to live load and
0.95" due to dead load at X = 25'-11"-11.
The overall height of this truss excluding overhang is 3'-3-1/2".

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.



PLT TYP. 20 Gauge HS.Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.36.0424

QTY:1

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

Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R215--	7125
TC DL	10.0 PSF	DATE	07/02/07	
BC DL	10.0 PSF	DRW	HCUSR215	07183034
BC LL	0.0 PSF	HC-ENG	EC/AP	
TOT.LD.	40.0 PSF	SEQN	186497	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	1T8M215_Z04	

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

STATE OF FLORIDA
PROFESSIONAL ENGINEER
K. COLLINS JR.
No. 62212
Jul 02 07

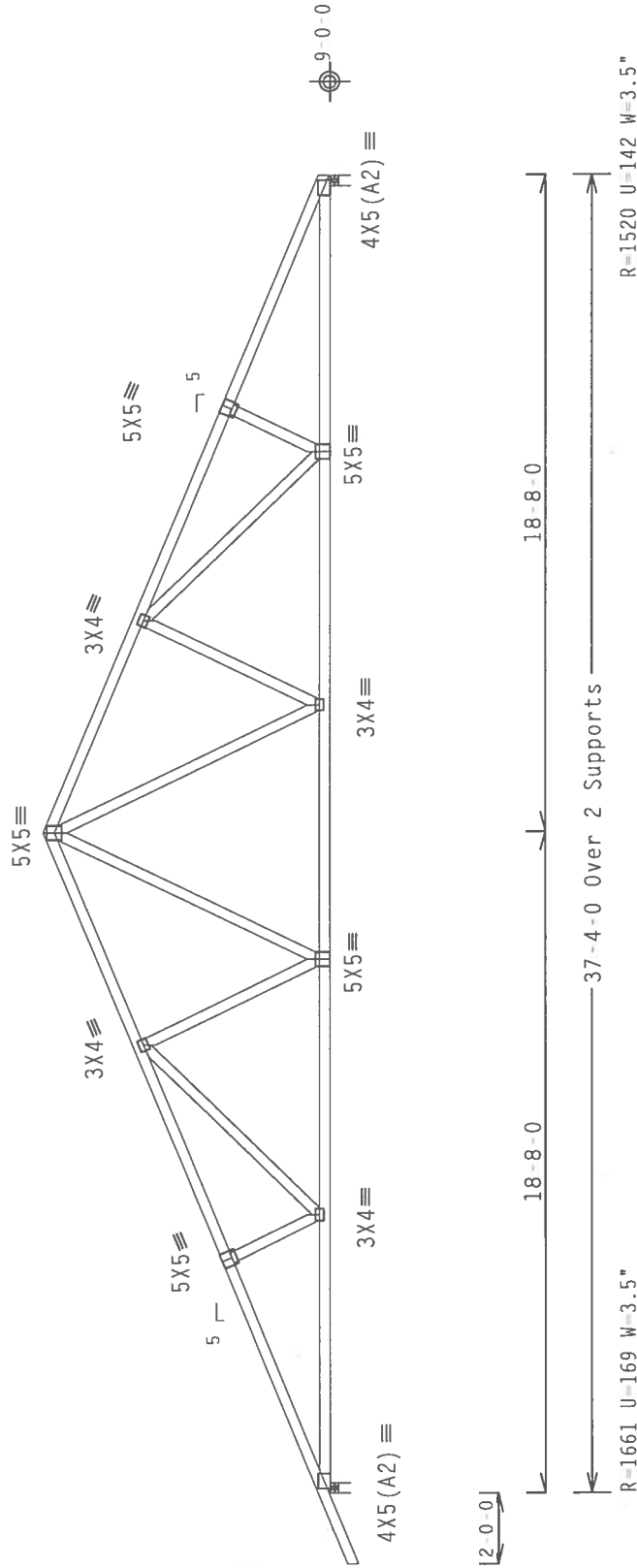
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, 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.

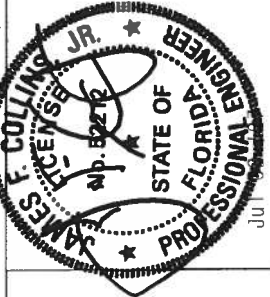
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 8'-1 1/2".

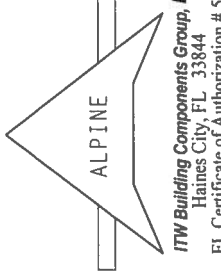


PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424 10
Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI-1. ITH BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (N-1/55/K) ASH A653 GRADE 40/60 (N, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R215--	7126
TC DL	10.0 PSF	DATE	07/02/07	
BC DL	10.0 PSF	DRW	HCUSR215	07183012
BC LL	0.0 PSF	HC-ENG	EC/AP	*
TOT.LD.	40.0 PSF	SEON-	186204	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T8M215_Z04	



Top chord 2x4 SP #2 N : T4 2x6 SP #2 N :
Bot chord 2x4 SP #2 N : B3 2x6 SP #2 N :
Webs 2x4 SP #2 N

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

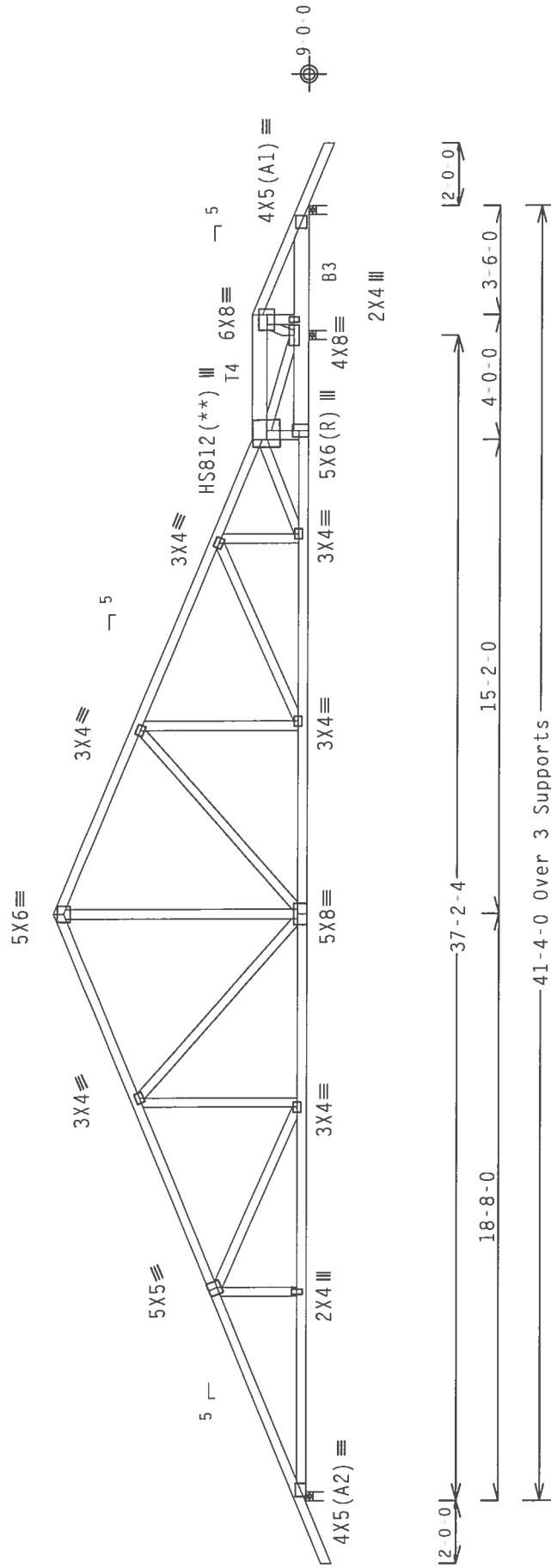
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)-0.18

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 8-1 6.

LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO VERIFY AND APPROVE THE LOADING.



R=1620 U=188 W=3.5"

R=2256 U=303 W=3.5"
R=0 U=0 W=3.5"

Design Crit: TPI-2002 (STD)/FBC

PLT TYP. 20 Gauge HS, Wave

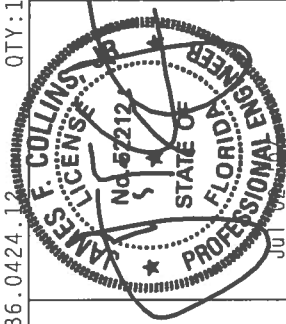
Cg/RT=1.00(1.25)/10(0)

QTY: 1

Scale = .1875"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WICA (WOOD INCH 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 A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ITW BCG DESIGN TO PLATES ARE MADE OF 20/107/100A (44/55/74) ASTH A653 GRADE 40/60 (44/55/74) GALV. STEEL. APPLY TO ALL PLATES AND BOLTS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TPI 2002 SEC. 3.1.1. 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.



TC LL	20.0 PSF	REF	R215- 7127
TC DL	10.0 PSF	DATE	07/02/07
BC DL	10.0 PSF	DRW	HCUSR215 07183035
BC LL	0.0 PSF	HC-ENG	EC/AP
TOT.LD.	40.0 PSF	SEQN	186224
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	1T8M215_Z04



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Wind reactions based on MWFRS pressures.

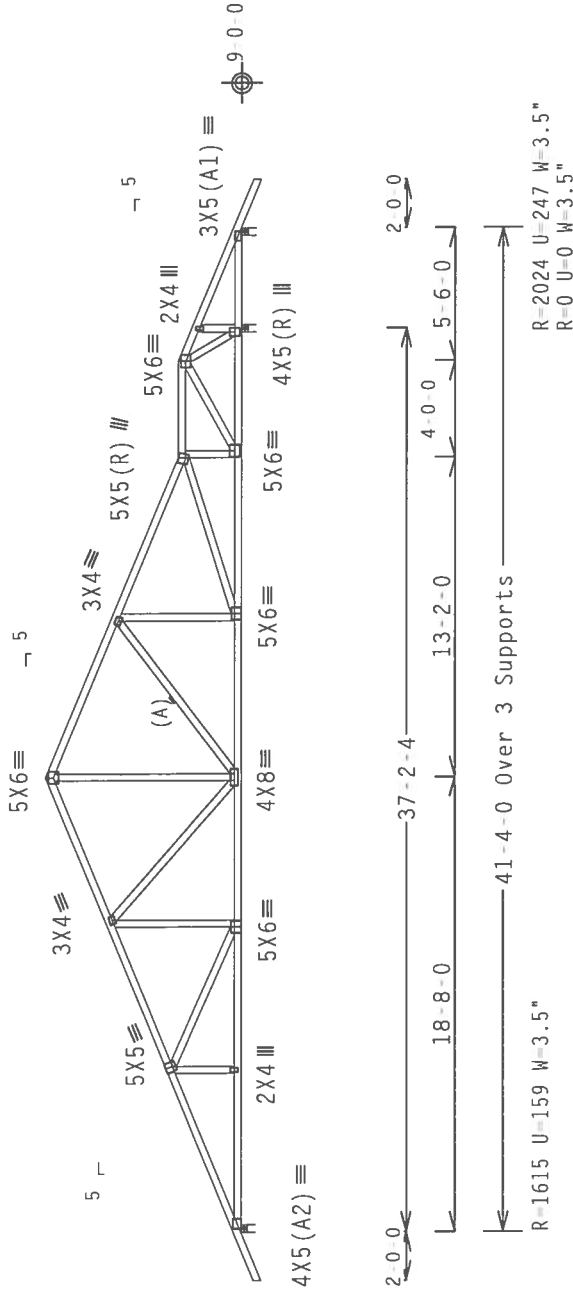
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 8'-1 5/8".



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424.10

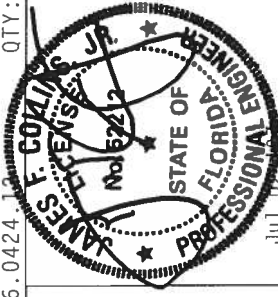
PLT TYP. Wave



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

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 THE DESIGN SHALL BE THE RESPONSIBILITY OF 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 THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.



TC LL	20.0 PSF	QTY: 1	FL / 5 / - / R / -	Scale = .125" / Ft.
TC DL	10.0 PSF	REF	R215 - - 7128	
BC DL	10.0 PSF	DATE	07/02/07	
BC LL	0.0 PSF	DRW	HCUSR215 07183036	
TOT. LD.	40.0 PSF	HC-ENG	EC/AP	
DUR. FAC.	1.25	SEON	186200	
SPACING	24.0"	FROM	CDM	
		JREF	1T8M215_Z04	

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

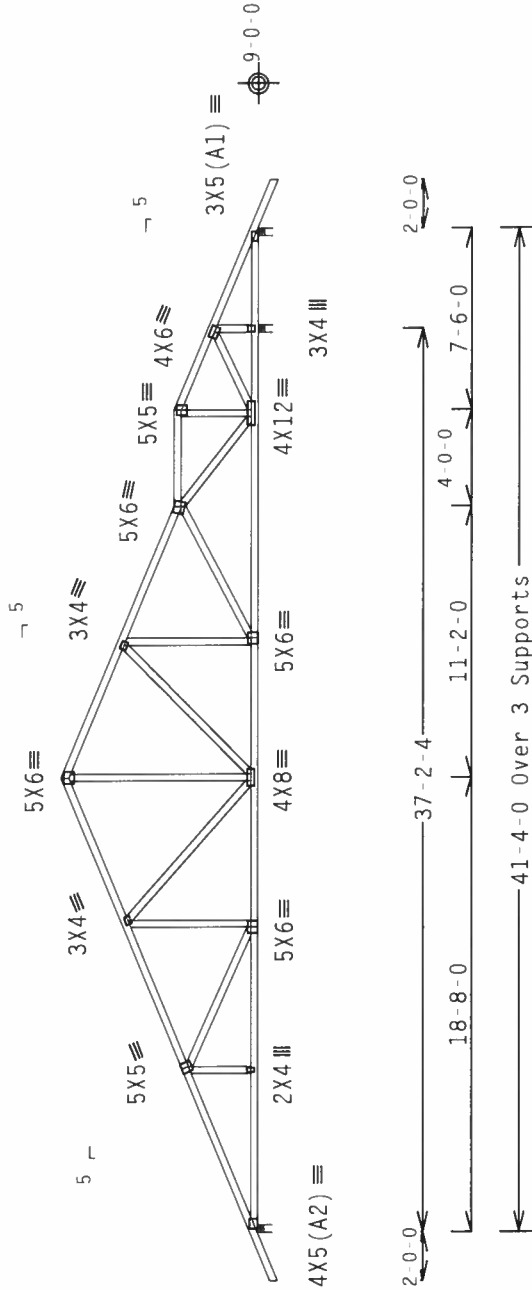
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

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

The overall height of this truss excluding overhang is 8'-1-6".



R=1623 U=161 W=3.5"

R=2016 U=235 W=3.5"
R=0 U=0 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	Cq/RT=1.00(1.25)/10(0) 7.36.0424		QTY:1	FL/-/5/-/-/R/-	Scale = .125"/Ft.	
	TC LL		20.0 PSF	REF R215--	7129	
ALPINE	TC DL		10.0 PSF	DATE	07/02/07	
	BC DL		10.0 PSF	DRW HCUSR215	07183037	
ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	BC LL		0.0 PSF	HC-ENG EC/AP		
	TOT.LD.		40.0 PSF	SEQN-	186195	
	DUR.FAC.		1.25	FROM	CDM	
	SPACING		24.0"	JREF-	1T8M215_Z04	

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

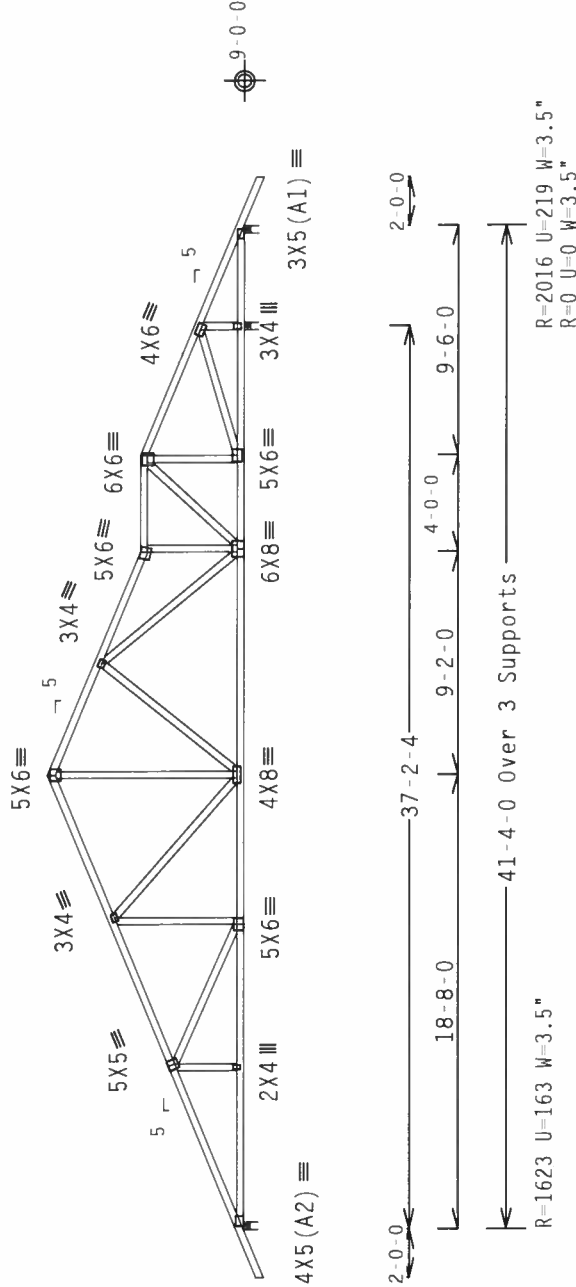
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpl (+/-)=0.18

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

The overall height of this truss excluding overhang is 8'-1-6".

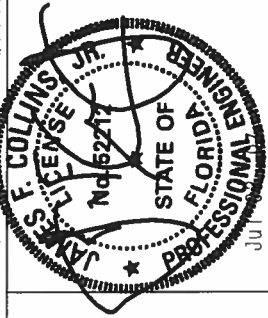


Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424.12

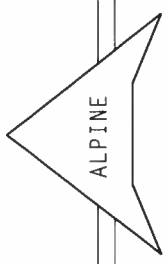
Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS IS DESIGNED FOR A SINGLE STORY BUILDING. THE TRUSS IS NOT TO BE USED FOR A TWO STORY BUILDING. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A FLAT ROOF. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A GABLE ROOF. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A HIP ROOF. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A SHED ROOF. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A DORMER ROOF. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A CHIMNEY. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A PORCH. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A BALCONY. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A TERRACE. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A PATIO. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A DECK. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A SWIMMING POOL. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A HOT TUB. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A SAUNA. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A GYM. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A BATH. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A KITCHEN. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A LIVING ROOM. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A BEDROOM. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A BATHROOM. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A HALLWAY. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A CLOSET. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A GARAGE. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A DRIVEWAY. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A PORCH. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A BALCONY. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A TERRACE. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A PATIO. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A DECK. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A SWIMMING POOL. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A HOT TUB. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A SAUNA. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A GYM. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A BATH. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A KITCHEN. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A LIVING ROOM. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A BEDROOM. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A BATHROOM. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A HALLWAY. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A CLOSET. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A GARAGE. THE TRUSS IS NOT TO BE USED FOR A BUILDING WITH A DRIVEWAY.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (40/60 (4. K/M,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. ITM BCG DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



QTY: 1 FL/-/5/-/-/R/-
REF R215-- 7130
DATE 07/02/07
DRW HCUSR215 07183038
HC-ENG EC/AP
SEQN- 186190
FROM CDM
JREF- 1T8M215_Z04



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Wind reactions based on MWFRS pressures.

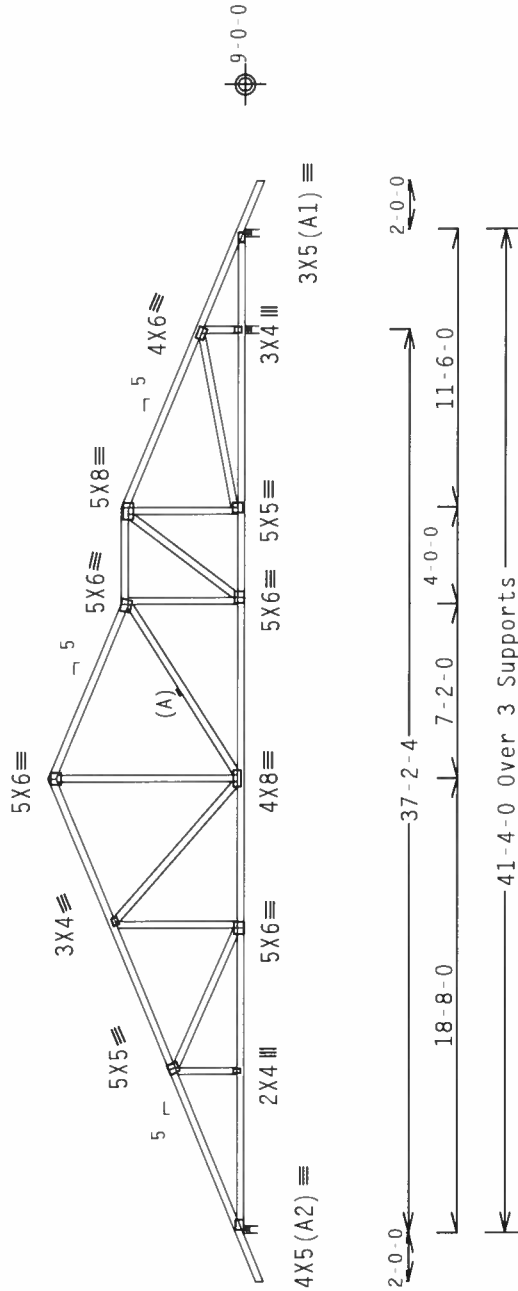
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 8-1-6.



R=1623 U=164 W=3.5"

R=2016 U=205 W=3.5"
R=0 U=0 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

QTY: 1

Cq/RT=1.00(1.25)/10(0)

7.36.0424

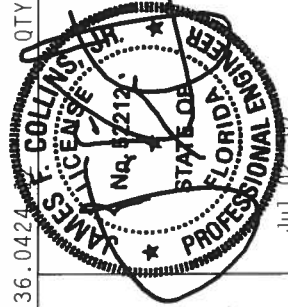
Scale = .125"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS (BUILDING COMPONENT SAFETY SYSTEM) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) 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 BEG, 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ITW BEG CONNECTOR PLATES ARE MADE OF 2018/16GA (40/55/60) ASTM A653 GRADE 40/60 (40/55) GALV. STEEL. APPLY PLATES TO EACH FACT OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AS OF TPI 2002 SEC 3. A SEAL ON THIS DESIGN SHALL BE REQUIRED FOR THE DESIGN CONTRACTOR TO SIGN OFF FOR THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R215--	7131
TC DL	10.0 PSF	DATE	07/02/07	
BC DL	10.0 PSF	DRW	HCUSR215	07183039
BC LL	0.0 PSF	HC-ENG	EC/AP	
TOT.LD.	40.0 PSF	SEQN	186185	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	1T8M215_Z04	

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

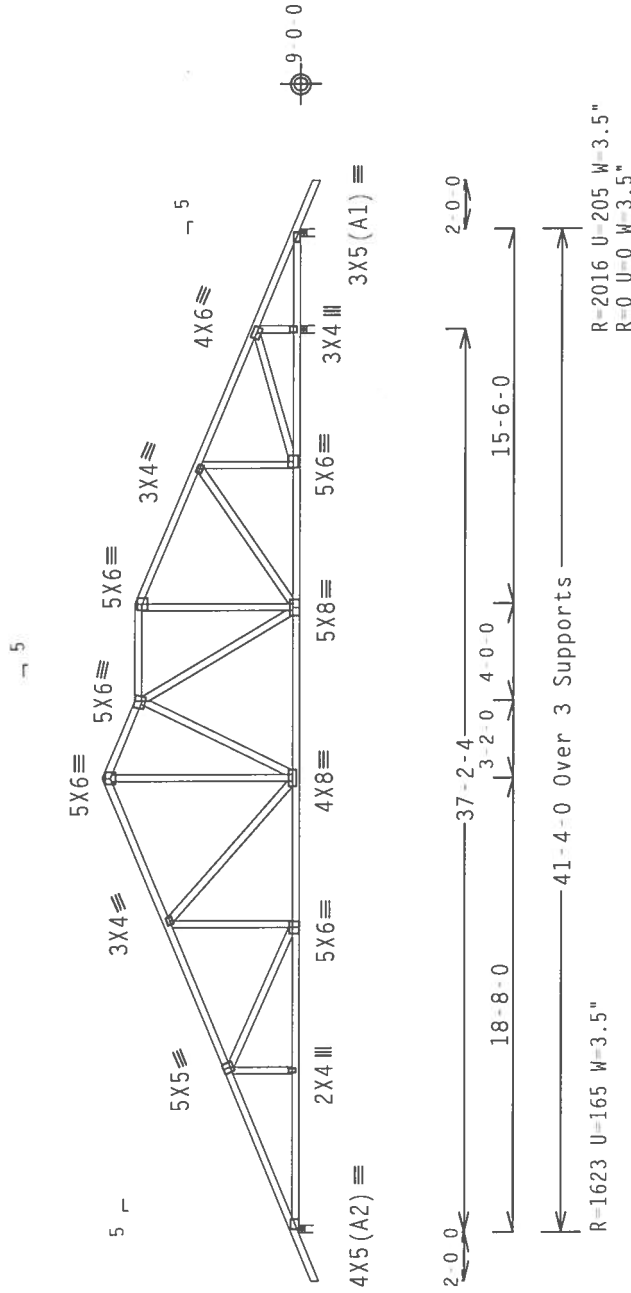
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcpi(+/-)-0.18

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

The overall height of this truss excluding overhang is 8-1-6.



R=2016 U=205 W=3.5"
R=0 U=0 W=3.5"

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/(10.0)

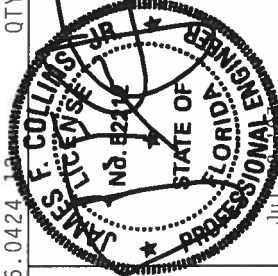
7.36.0424

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

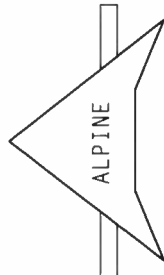
Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) 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 BEG, 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. ITW BEG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ITW BEG PROVIDES FOR PLATES AND TRUSSES 20/10/1000 (24/10/500) (ASTM A501 GRADE 50/60 (44/50) GALV. STEEL, APPLY TO ALL TRUSSES UNLESS OTHERWISE SPECIFIED). ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEA 3 OF TPI 2002 SEC. 3. ANY INSPECTION OF TRUSSES SHALL BE PER ANNEA 3 OF TPI 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 ANSI/TPI 1 SEC. 2.



PLT TYP. Wave



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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"

REF	R215--	7133
DATE	07/02/07	
DRW	HCUSR215	07183041
HC-ENG	EC/AP	
SEQN	186175	
FROM	CDM	
JREF	1T8M215	Z04

(4700 /KEITH & BETTY GORDON HANG /EDGEY CONSTRUCTION - LAKE CITY, FL A26)

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

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAI II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 8-1-6.

5X6= 5X6=

3X4= 3X4=

5X5= 2X4= 5X6= 4X8= 5X6= 3X4= 3X5 (A1)=

6X6=

3X4= 3X8= 5X6= 3X4= 3X5 (A1)=

2'-0" 18'-8" 37'-2" 41'-4" Over 3 Supports 17'-6" 2'-0" 9'-0-0

R=1623 U=164 W=3.5"

R=2016 U=211 W=3.5"

R=0 U=0 W=3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424.12

PLT TYP. Wave

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

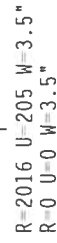
ITW BCG CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITW BCG CONTRACTOR PLATES ARE MADE OF 2017/1604 (4-H/55/7) ASH A653 GRADE 40/60 (4-8/11/55) GALV. STEEL. APPLY OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ITW BCG 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITW BCG CONTRACTOR PLATES ARE MADE OF 2017/1604 (4-H/55/7) ASH A653 GRADE 40/60 (4-8/11/55) GALV. STEEL. APPLY OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

Scale = .125"/Ft.

REF	R215--	7134
DATE	07/02/07	
DRW	HCUSR215	07183042
HC-ENG	EC/AP	
SEQN	186170	
FROM	CDM	
JREF	1T8M215_Z04	

The overall height of this truss excluding overhang is 8-5-9.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

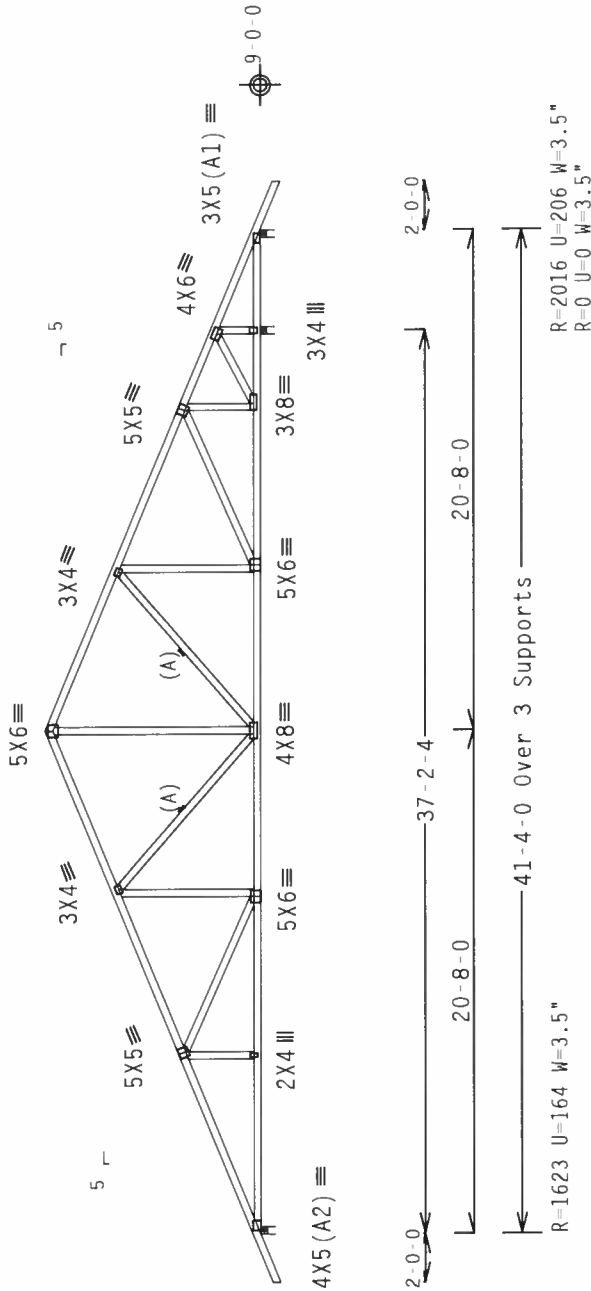
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 8'11"-6."



R=1623 U=164 W=3.5"

R=2016 U=206 W=3.5"
R=0 U=0 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

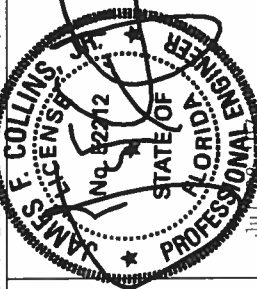
Cq/RT=1.00(1.25)/10(0)

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

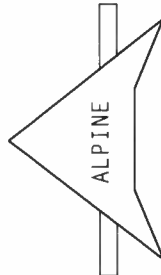
Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE - 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304) AND WIGA (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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/ASCE) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2019/160A (44/10/55/15) ASTM A563 GRADE 40/60 (44/10/55) GALV. STEEL. APPLY LATERAL BRACING TO ALL CHORDS AND WEBS. ALL TRUSSES SHALL BE PERMANENTLY SEALED ON THIS. ALL TRUSSES SHALL BE PERMANENTLY SEALED 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.



TC LL	20.0 PSF	REF	R215--	7136
TC DL	10.0 PSF	DATE	07/02/07	
BC DL	10.0 PSF	DRW	HCUSR215	07183044
BC LL	0.0 PSF	HC-ENG	EC/AP	
TOT.LD.	40.0 PSF	SEQN-	186160	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T8M215_Z04	



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

(4700 -)KEITH & BETTY GORDON HANG /EDGELY CONSTRUCTION -- LAKE CITY, FL - A29)

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

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)-0.18

(A) Continuous lateral bracing equally spaced on member.

The overall height of this truss excluding overhang is 8 11-6.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424

Scale = .125"/Ft.

REF R215-- 7137

DATE 07/02/07

DRW HCUSR215 07183045

HC-ENG EC/AP

SEON- 186155

FROM CDM

JREF- 1T8M215_Z04

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"

SAVES F. COLLAS
No. 12212
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Jul 02 07

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

110 mph wind, 15.00 ft mean hot, ASCE 7 02. CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 Gcpi(+/-)=0.18

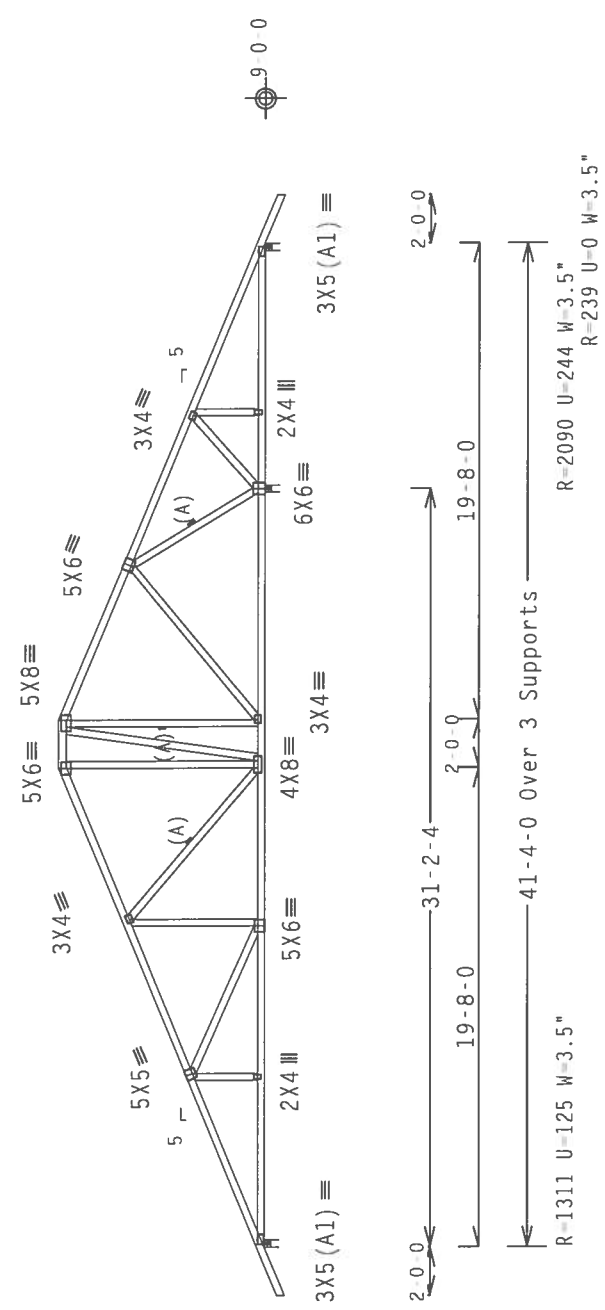
Wind reactions based on MWFRS pressures.

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

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 8-6-6.

Design Crit: $\text{TPI-2002(STD)}/\text{FBC}$
 $\text{Cq}/\text{RT}=1.00(1.25)/$

PLT TYP. Wave

Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPJ (TRUSS PLATE INSTITUTE, 218 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.

Q11:1 FL/13/1-1K/1

Scale = .123 / FL.
REF R215-- 7138


 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS

DATE 07/02/07

*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR ITM REC. INC SHALL NOT

URW HCUSR215 0/183046
HC-ENG EC/AP

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI.
TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

SEQN- 186150

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF 1911-2002 SEC.3, A SEAL ON THIS

FROM CDM

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JUL 29 1997

SPACING 24.0"

JREF- 1T8M215_Z04

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

Wind reactions based on MWFRS pressures.

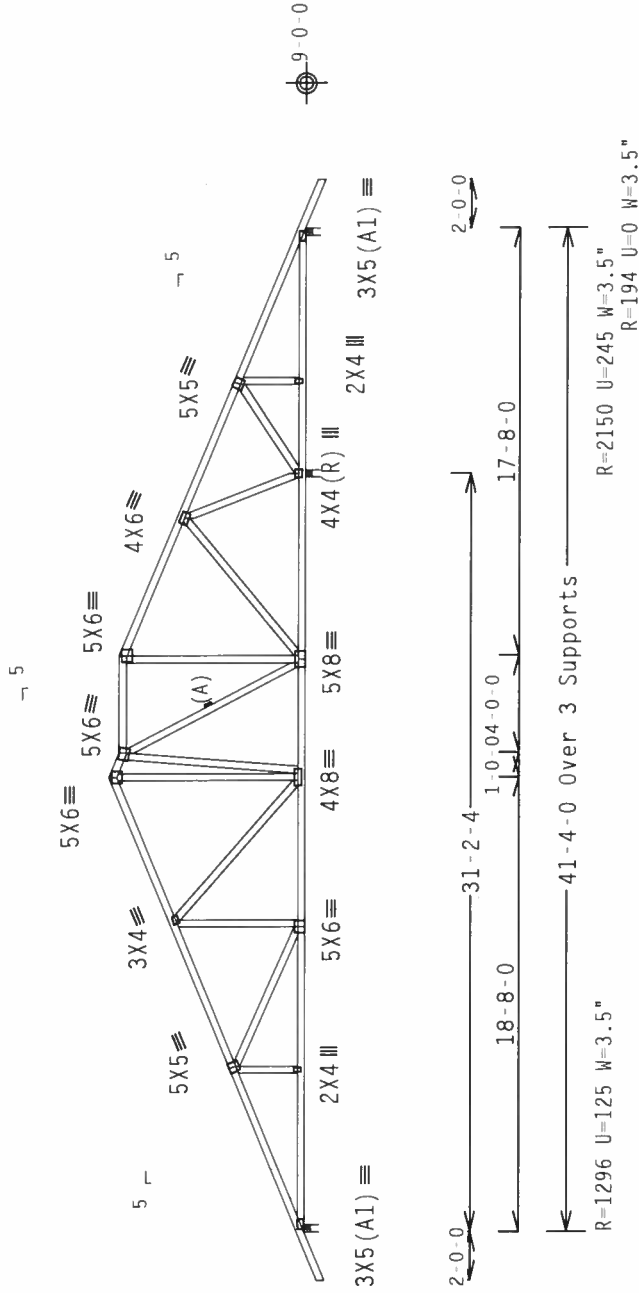
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cpi}(+/-)=0.18$

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 8-1-6.



Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.36.0424

QTY:1

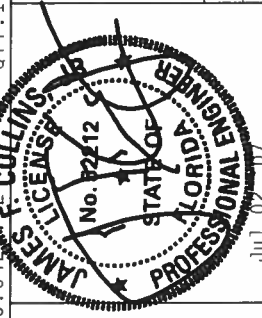
FL/-/5/-/-/R/-

Scale = .125"/Ft.

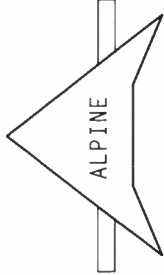
PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST "BUILDING COMPONENT SAFETY INFORMATION" PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2310 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASEP) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2019/166A (M-17/SS/N) ASTM A563 GRADE 40/60 (9, 8/16/55) GALV. STEEL. APPLY TO ALL TRUSSES. ANY DEVIATION FROM THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE DESIGNER. ANY INSPECTION OF PLATES FOLLOWED BY SIGNATURE OF DESIGNER SHALL BE THE RESPONSIBILITY OF THE DESIGNER. 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.



TC LL	20.0 PSF	REF	R215--	7139
TC DL	10.0 PSF	DATE	07/02/07	
BC DL	10.0 PSF	DRW	HCUSR215	07183047
BC LL	0.0 PSF	HC-ENG	EC/AP	
TOT.LD.	40.0 PSF	SEQN-	186145	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T8M215_Z04	



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

	Top	chord	2x4	SP	#2	N	:T6	2x4	SP	#2	Dense:
Bot	chord	2x4	SP	#2	N						
	webs	2x4	SP	#2	N						

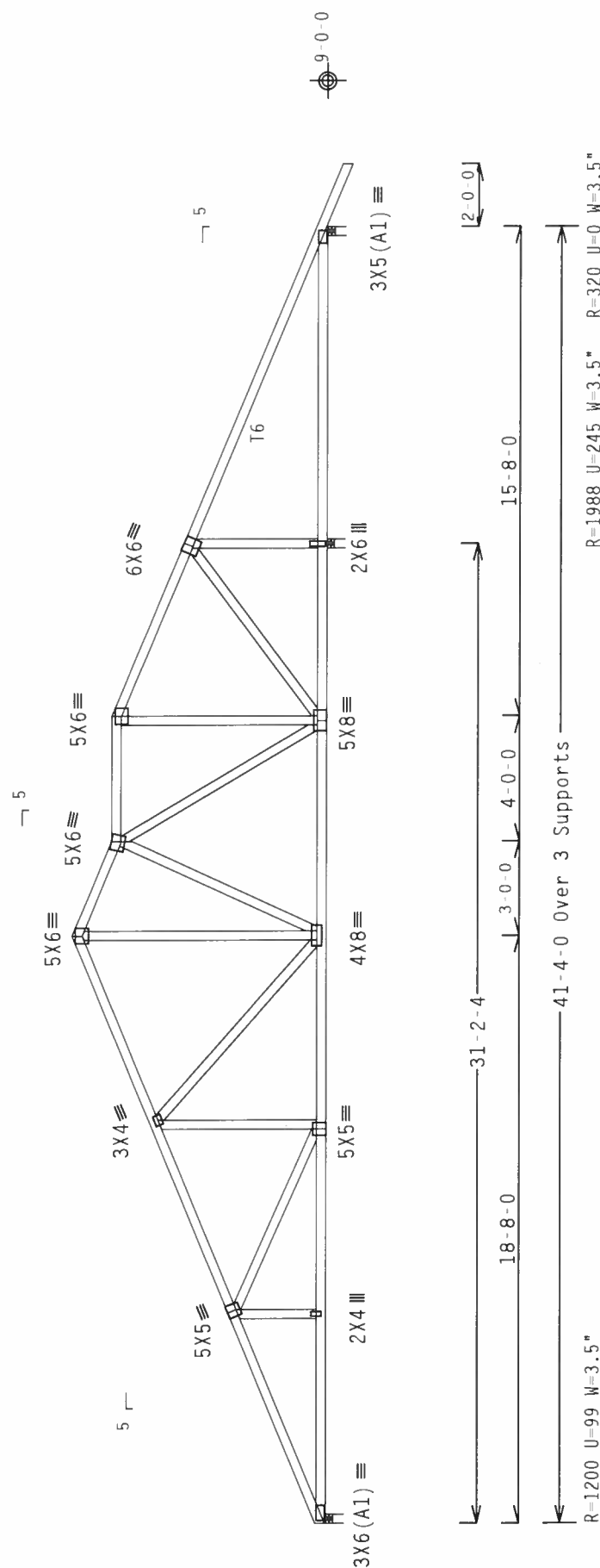
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)0.18

Wind reactions based on MWFRS pressures.

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

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

The overall height of this truss excluding overhang is 8-1-6.

 $R=1200 \quad U=99 \quad W=3.5$

$P=1988$ $II=245$ $W=3$ 5^* $R=320$ $II=0$ $W=3$ 5^*

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 7.36.0424.12

Scale = .1875"/Ft.

PLT TYP. Wave

*****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT INFORMATION, PUBLISHED BY TPI (TRUSS PAPER INSTITUTE, 218 MILLER LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 OTTAWA DRIVE, SUITE 100, FARMERSVILLE, OHIO 43024) FOR PERMISSIBLE PERFORMING STANDARDS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

TTC LL	20.0 PSF	REF	R215--	7140
TTC DL	10.0 PSF	DATE	07/02/07	
BC DL	10.0 PSF	DRW	HCUSR215	07183048
BC LL	0.0 PSF	HC-ENG	EC/AP	
TOT.LD.	40.0 PSF	SEQN-	186140	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T8M215	Z04

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 (BUILDING COMPONENTS INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, HADDONSBURY, MA 01831) 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 OF THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONTRACTOR COMPLIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A. 2. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A. 2. SECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN ASSOCIATION OF BRIDGE ENGINEERS (AASHTO) 1992 SEC. 3. DRAWING INDICATES THE RESPONSIBILITY OF THE DESIGNER TO SELECT FOR THE TRUSS COMPONENT THE DESIGN, MATERIALS, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AASHTO 1992 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Wind reactions based on MWFRS pressures.

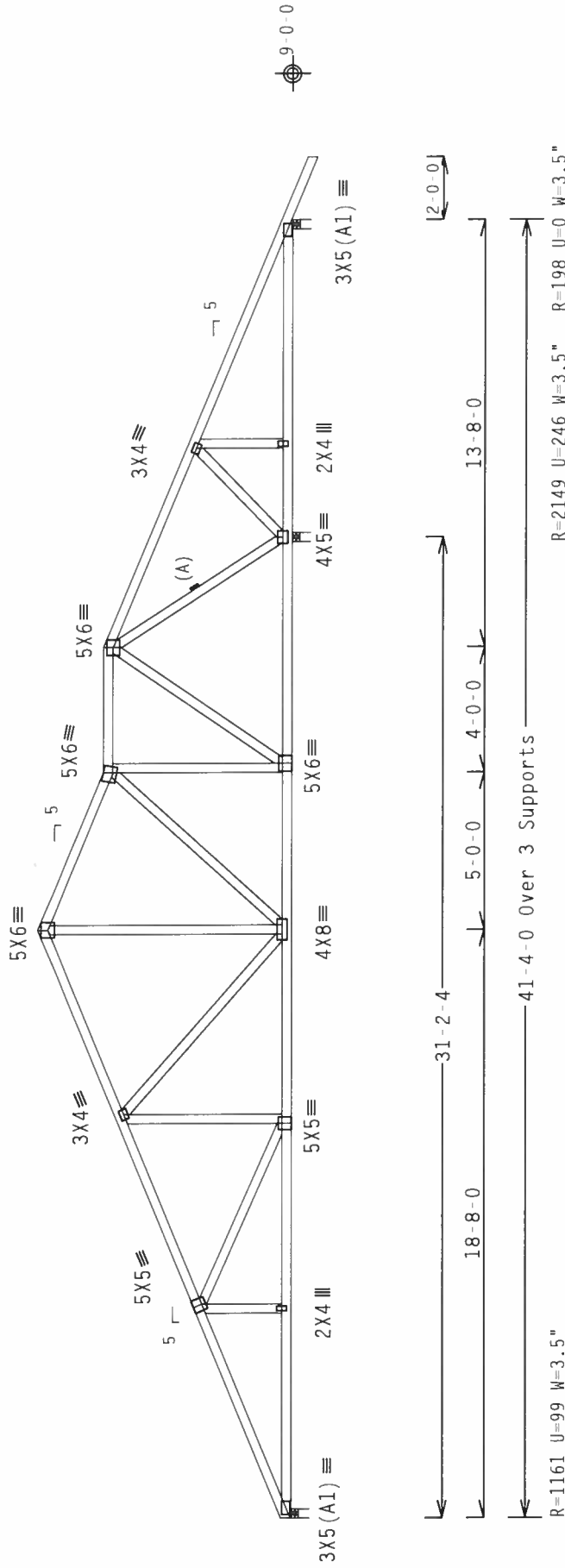
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $1w=1.00 Gcpi(+/-)=0.18$

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 8'-1-6".



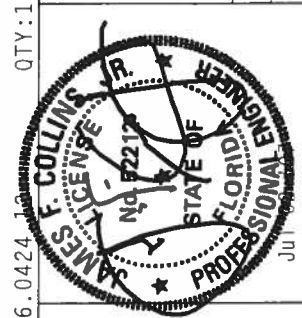
R=1161 U=99 W=3.5"

R=2149 U=246 W=3.5" R=198 U=0 W=3.5"

Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R215-- 7141
TC DL	10.0 PSF	DATE	07/02/07
BC DL	10.0 PSF	DRW	HCSR215 07183049
BC LL	0.0 PSF	HC-ENG	EC/AP
TOT.LD.	40.0 PSF	SEQN-	186133
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T8M215_Z04



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCA (NATIONAL 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AITAP) AND TPI (ITW BCG CONNECTOR PLATES ARE MADE OF 2010/160A (4-11/16) ASH A653 GRADE 40/60 (4, 6, 8, 10, 12) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE 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

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Wind reactions based on MWFRS pressures.

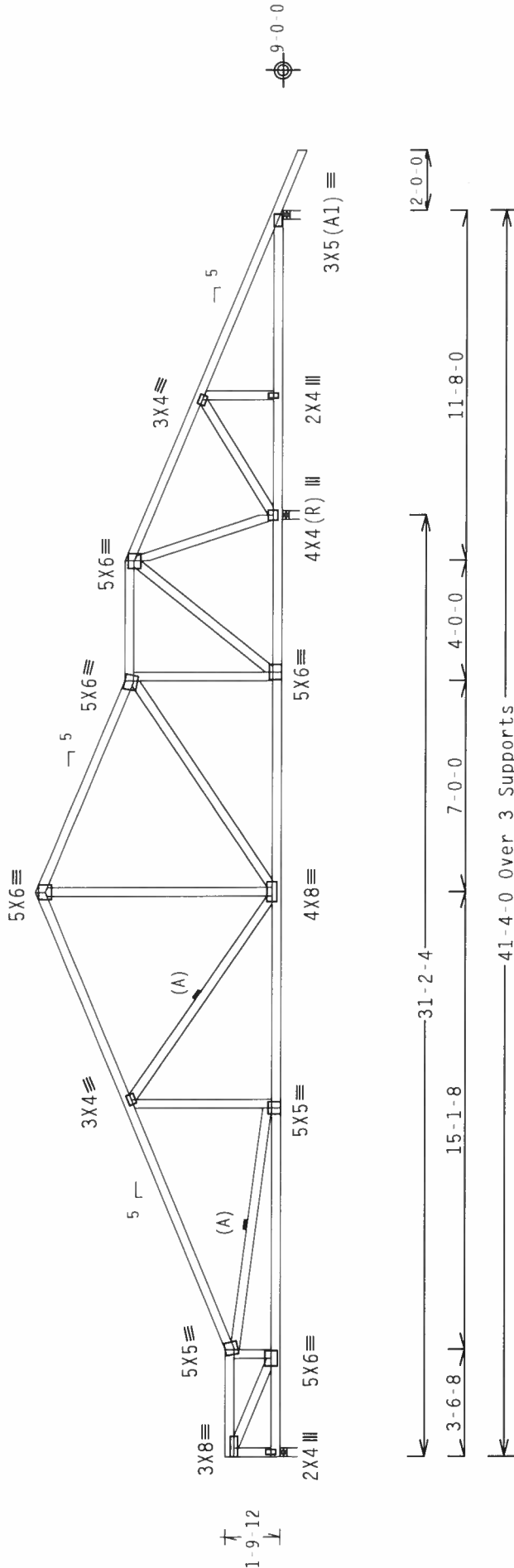
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $lw=1.00 Gcpi(+/-)=0.18$

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 8'-1 1/2".



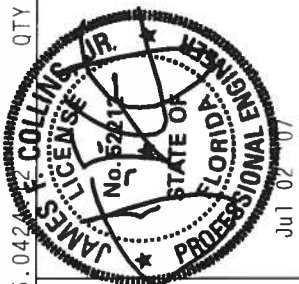
R=1132 U=103 W=3.5"

R=2251 U=246 W=3.5" R=125 U=0 W=3.5"

Design Crit: TPI-2002(STD)/FBC

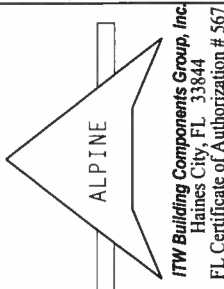
QTY:1 FL/-/5/-/-/R/- Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R215--	7142
TC DL	10.0 PSF	DATE	07/02/07	
BC DL	10.0 PSF	DRW	HCUSR215	07183050
BC LL	0.0 PSF	HC-ENG	EC/AP	
TOT.LD.	40.0 PSF	SEQN	186128	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	1T8M215_Z04	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCA (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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/AT&T AND TPI). ITW BCG CONTRACTOR PLATES ARE MADE OF 2017/16GA (4.4/55K) ASH 6053 GRADE 40/60 (4.4/55K) GALV. STEEL. APPLY TO ALL TRUSSES. ANY INSPECTION OF PLATES FOLLOWED BY ITW SHALL BE PERFORMED BY ITW. ITW SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRUSS. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

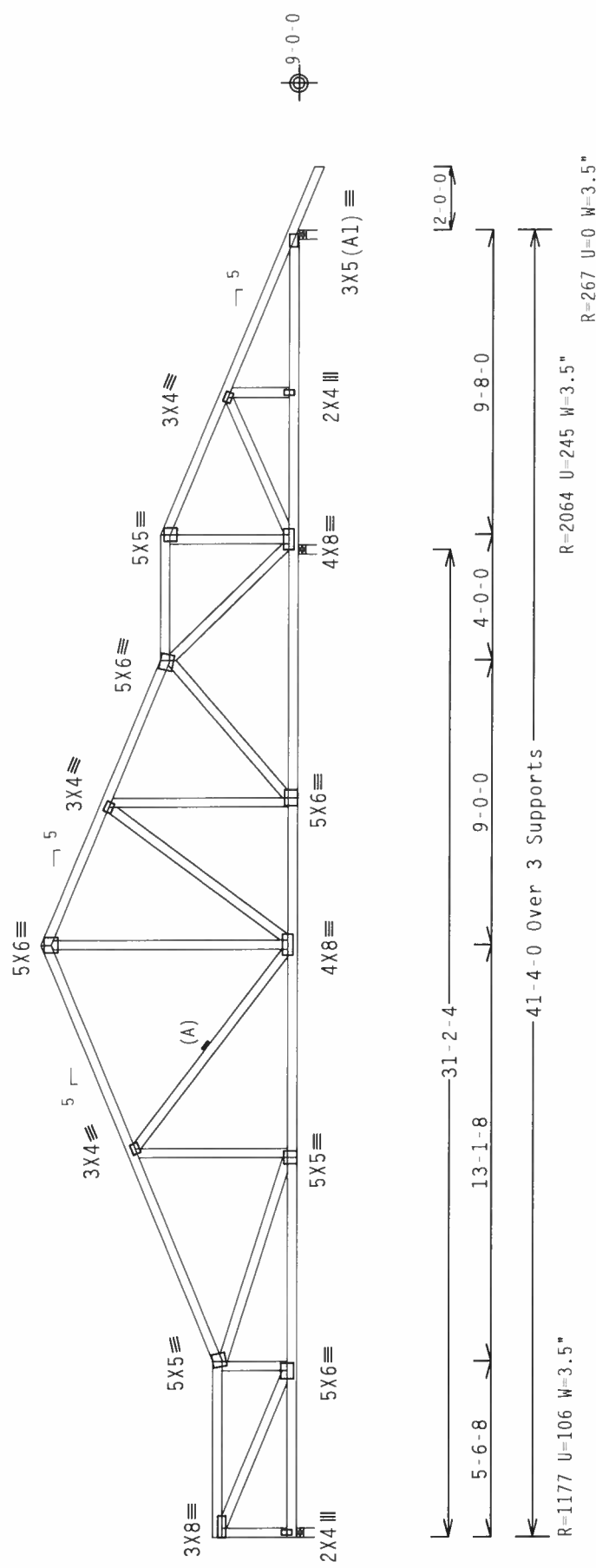
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cpi}(+/-)=0.18$

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 8-1-6.

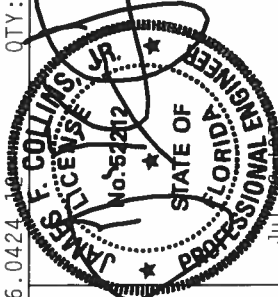


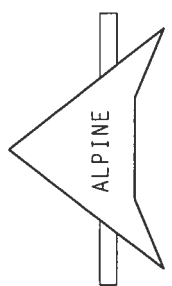
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

Scale = .1875"/Ft.

	TC LL	20.0 PSF	REF	R215--	7143
	TC DL	10.0 PSF	DATE	07/02/07	
	BC DL	10.0 PSF	DRW	HCUSR215	07183051
	BC LL	0.0 PSF	HC-ENG	EC/AP	
	TOT.LD.	40.0 PSF	SEQN-	186123	
	DUR.FAC.	1.25	FROM	CDM	
SPACING			JREF-	1T8M215_Z04	



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpl(+/-)=0.18

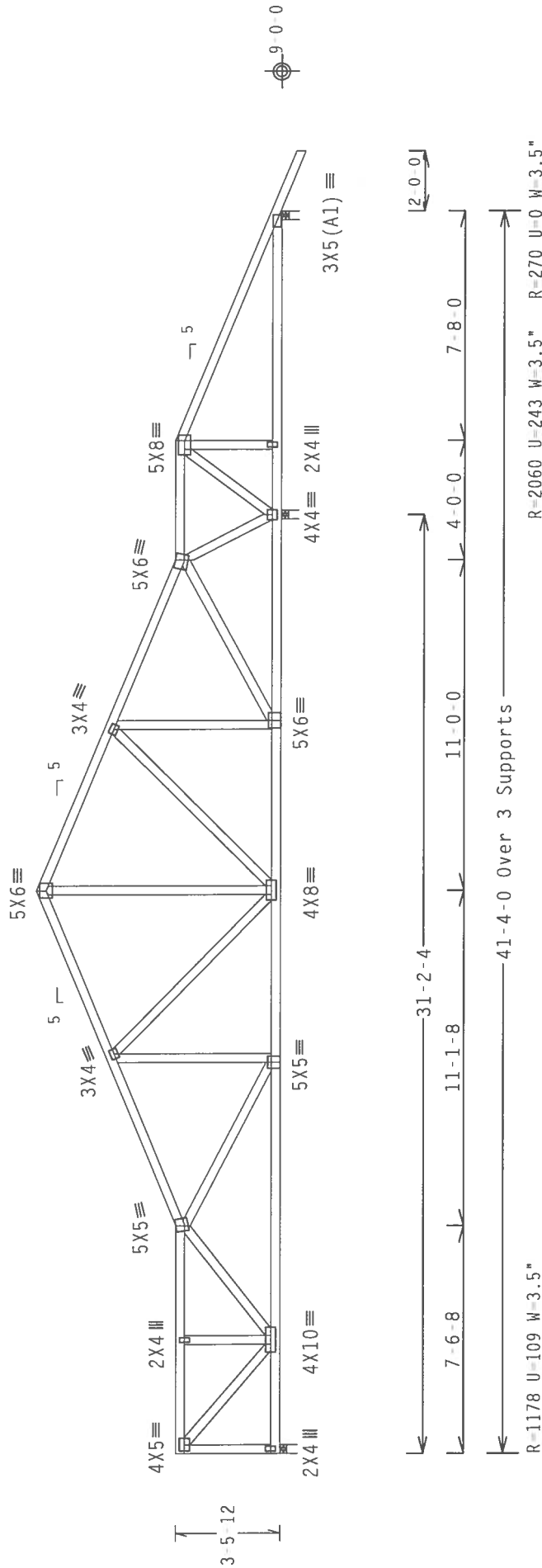
Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 8'-1.6".

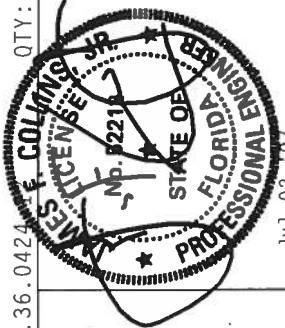
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



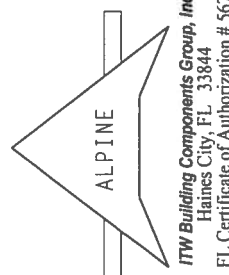
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

TC LL	20.0 PSF	FL / - / 5 / - / R / -	QTY: 1	Scale = .1875" / Ft.
TC DL	10.0 PSF			REF R215 - 7144
BC DL	10.0 PSF			DATE 07/02/07
BC LL	0.0 PSF			DRW HCUSR215 07183052
TOT.LD.	40.0 PSF			HC-ENG EC/AP
DUR.FAC.	1.25			SEQN - 186118
SPACING	24.0"			FROM CDM
				JREF - 1T8M215_Z04



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSEI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WEA (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 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 & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ITW REG. CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/55/K) ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TGA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI 2002 SEC.3. A SEAL ON THIS DESIGN INDICATES THE DESIGNER'S PROFESSIONAL ENGINEERING RESPONSIBILITY, SOLELY FOR THE TRUSS COMPONENT. DESIGN SHOWS THE SITUATION OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N : T5 2x6 SP #2 N:

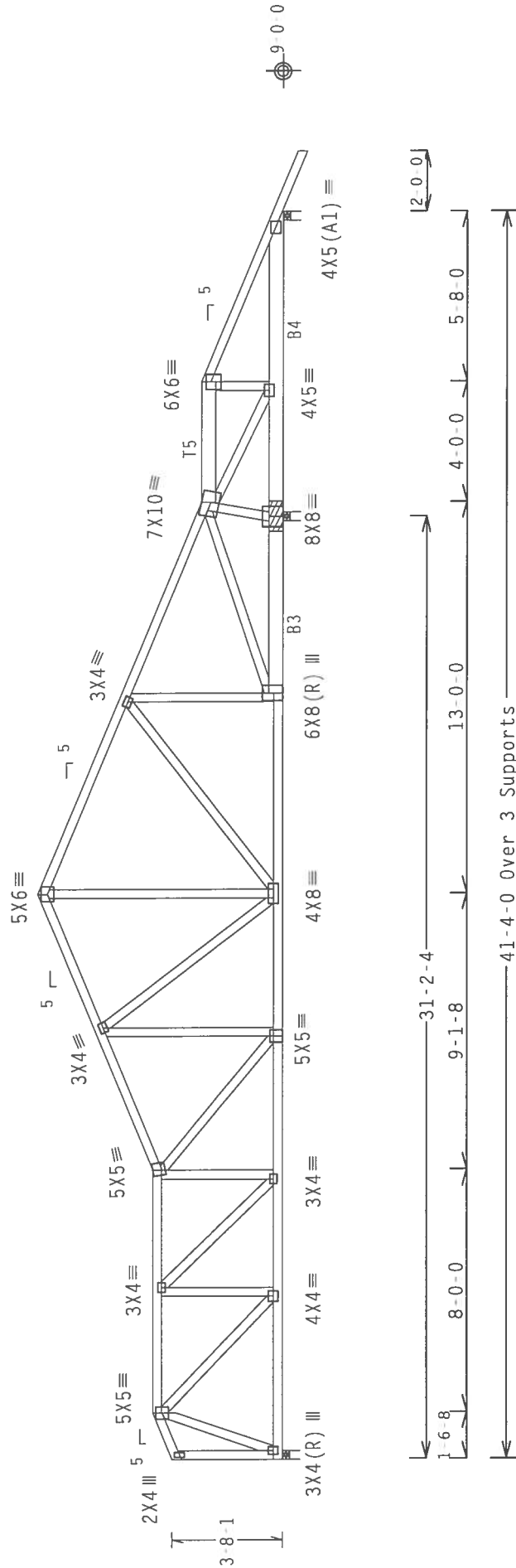
Bearing blocks: Nail type: 0.131"x3" Gun nails
BRG X LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
2 31.042' 1 12" 4 Rigid Surface

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO VERIFY AND APPROVE THE LOADING.



R-1196 U-74 W-3.5"

PLT TYP. Wave

Scale = .1875"/Ft.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REQUEST IMMEDIATELY FOR SAFETY INSTRUCTIONS. PUBLISHED BY THE MANUFACTURER. SEE INSTRUCTIONS FOR SAFETY. 2300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304-6100. AICHA GOOD TRUSSES, COUNCILS, AMERICAN, UNLESS OTHERWISE 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 THIS DESIGN OR FABRICATING HANDLING, SHIPPING, INSTALLING, A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P) AND IP1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (14-31/64) ASTM A653 GRADE 40/60 (14-31/64) 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 (3) SHALL BE PER AMERICAN A3 OF IP11 2002 SEC.3. A SEAL ON THE 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/JP1 1 SEC. 2.

REF	R215-- 7145	IC LL	20.0 PSF
DATE	07/02/07	TC DL	10.0 PSF
DRW	HCUSR215 07183053	BC DL	10.0 PSF
HC-ENG	EC/AP	BC LL	0.0 PSF
SEQN-	186114	TOT.LD.	40.0 PSF
FROM	CDM	DUR.FAC.	1.25
JREF-	1T8M215_Z04	SPACING	24.0"

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

Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

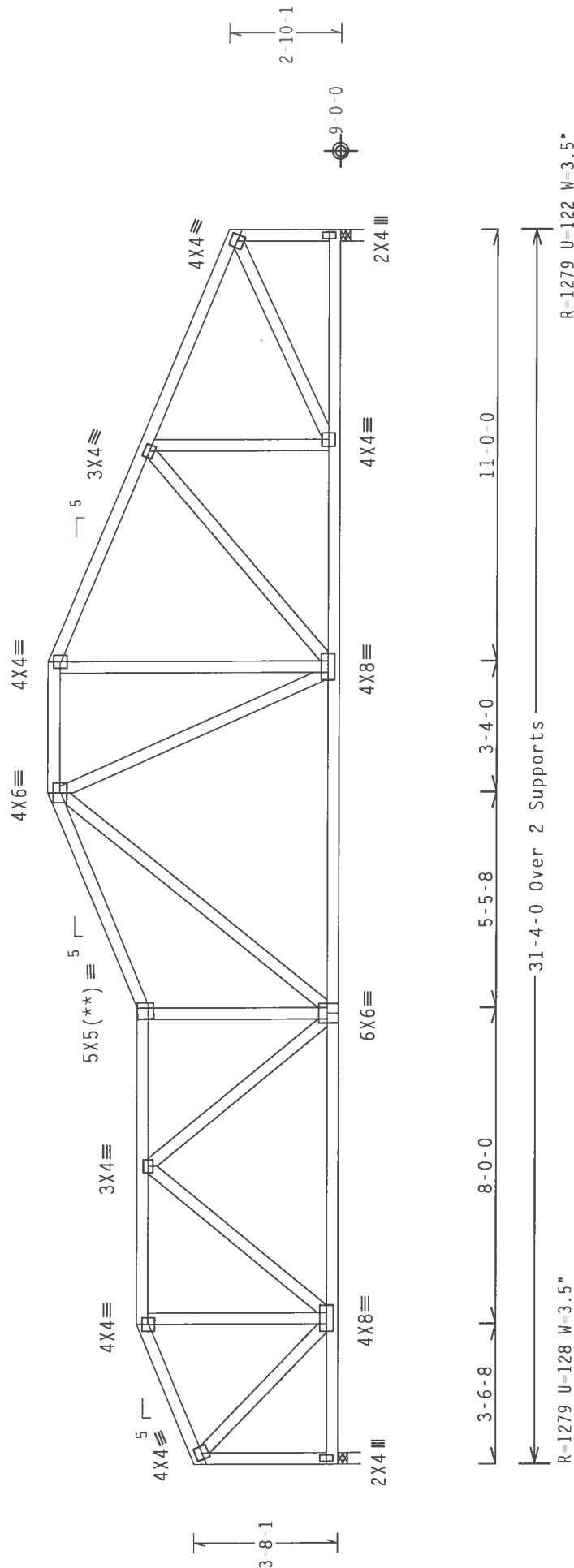
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 7'-5.1".

(**) 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 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

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



Design Crit: TPI-2002(STD)/FBC

Scale = .25"/Ft.

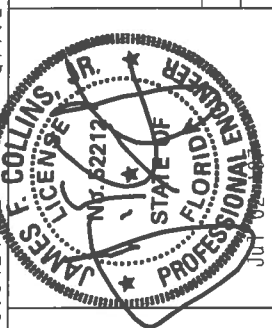
QTY: 1 FL/-/5/-/1/R/-

7.36.0424

Cq/RT=1.00(1.25)/10(0)

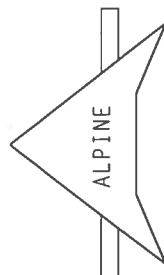
PLT TYP. Wave

REF	R215 --	7146
DATE	07/02/07	
DRW	HCUSR215	07183054
HC-ENG	EC/AP	
SEON-	186056	
FROM	CDM	
JREF-	1T8M215_Z04	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48053) 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. ITM 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 2018/1866 (M/J/557K) ASTM A653 GRADE 40/60 (N, K/H/SS) GALV. STEEL. APPLY ANALYSIS EACH FACE OF PRESSURE AND TENSION. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING. ITM BCG ANALYSIS INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS 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.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpf(+/-)=0.18

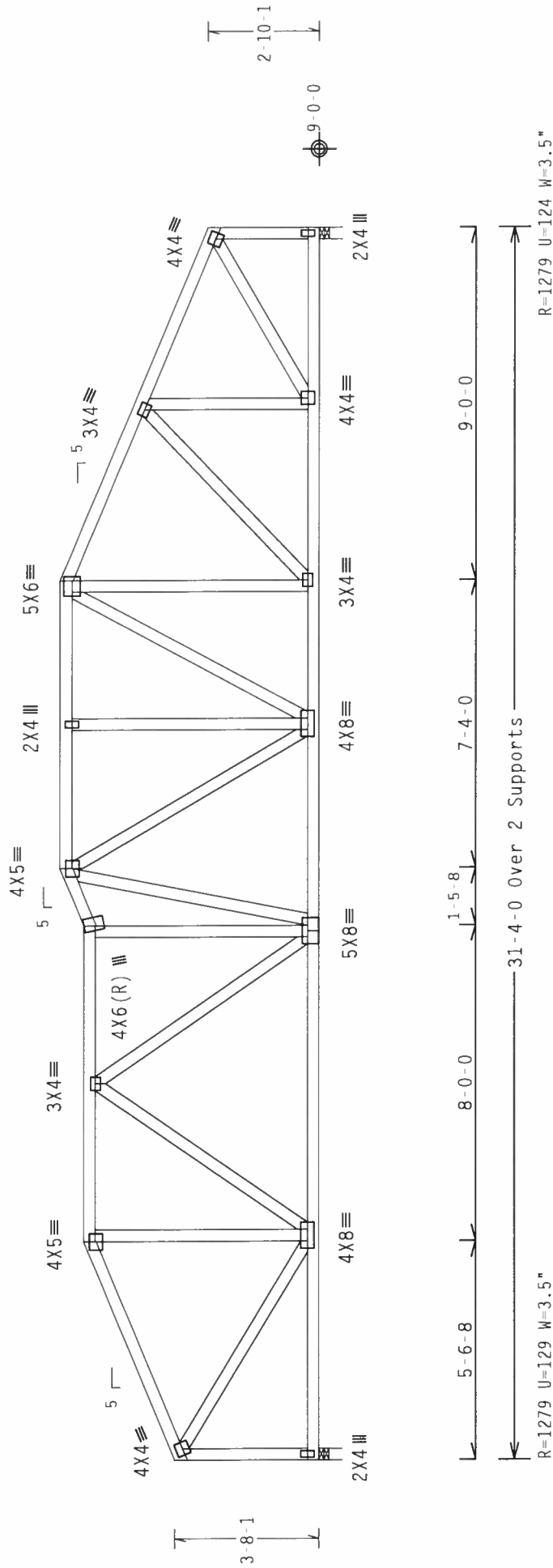
Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

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 6'-7-1/2".



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

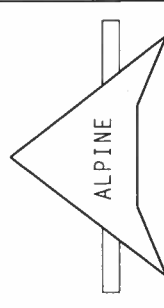
Scale = .25"/Ft.

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

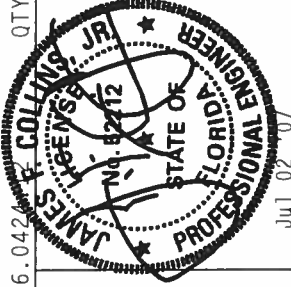
7.36.0424

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (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, MI 48071) 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (N-11/55/K) ASH 6053 GRADE 40/60 (N, K/M-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, ALL OTHERS SHALL BE LOCATED AS SHOWN. 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.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



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"

REF	R215--	7147
DATE	07/02/07	
DRW	HCUSR215	07183013
HC-ENG	EC/AP	*
SEQN	186052	
FROM	CDM	
JREF	1T8M215_Z04	

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

110 mph wind, 15.00 ft mean ht, ASCE 7 02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

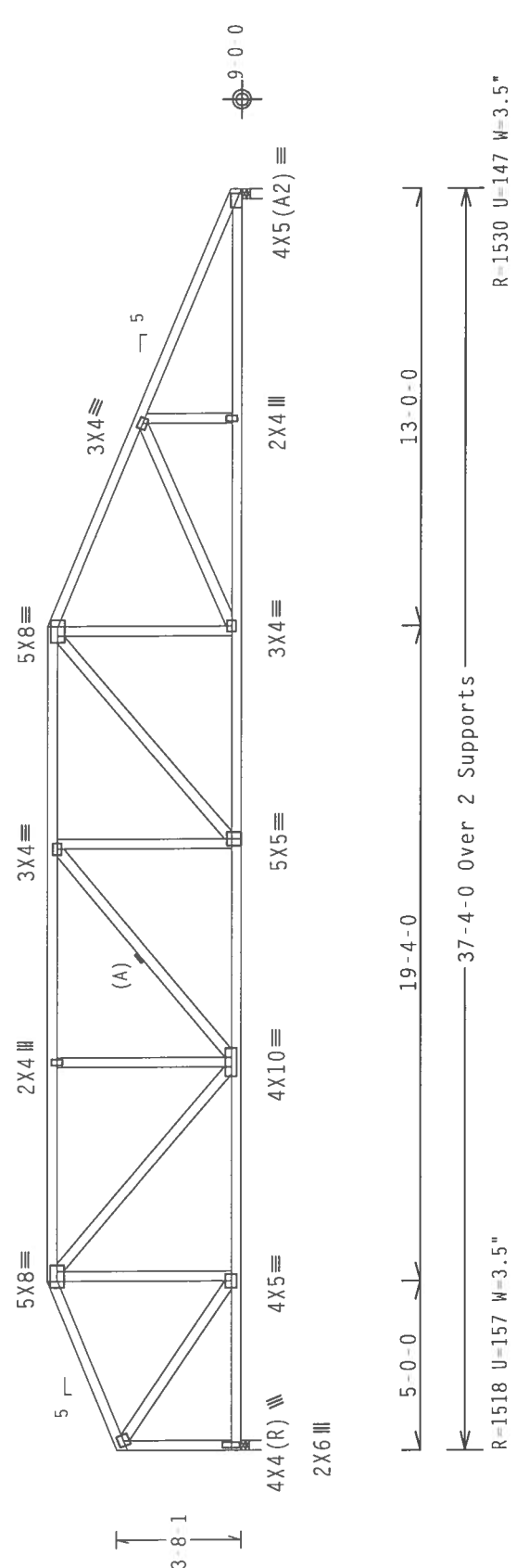
Left end vertical not exposed to wind pressure.

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

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 5-9-1.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave QTY:1 FL/-5/-R/ Scale = .1875"/Ft.
Cq/RT=1.00(1.25)/10(0)
Design Crt: IPI-200Z(SID)/FBC

ALPINE ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (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 THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID DESIGN. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE OR INJURY RESULTING FROM THE TRUSS IN COMPLIANCE WITH THE FOLLOWING CONDITIONS: 1. THE TRUSS SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, AND BRACING OF TRUSSES. 2. THE TRUSS SHALL BE DESIGNED IN ACCORDANCE WITH THE DESIGN PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AISC/AIA) AND TPI. 3. CONNECTOR PLATES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AISC/AIA) AND TPI. 4. ALL TRUSSES SHALL BE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (M, K/H-S5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. 5. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI11-2002 SEC. 3. 6. 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.	JAMES F. COLLINS JR. No. 162212 STATE OF FLORIDA PROFESSIONAL ENGINEER Jul 10 2002	TC LL	20.0 PSF	REF	R215 --	7148
			TC DL	10.0 PSF	DATE	07/02/07	
			BC DL	10.0 PSF	DRW	HCSR215	07183014
			BC LL	0.0 PSF	HC - ENG	EC/AP	*
			TOT.LD.	40.0 PSF	SEQN -	186048	
			DUR.FAC.	1.25	FROM	CDM	
			SPACING	24.0"	JREF -	1T8M215_Z04	

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 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf $I_w=1.00$ GCpi(+/-)=0.18

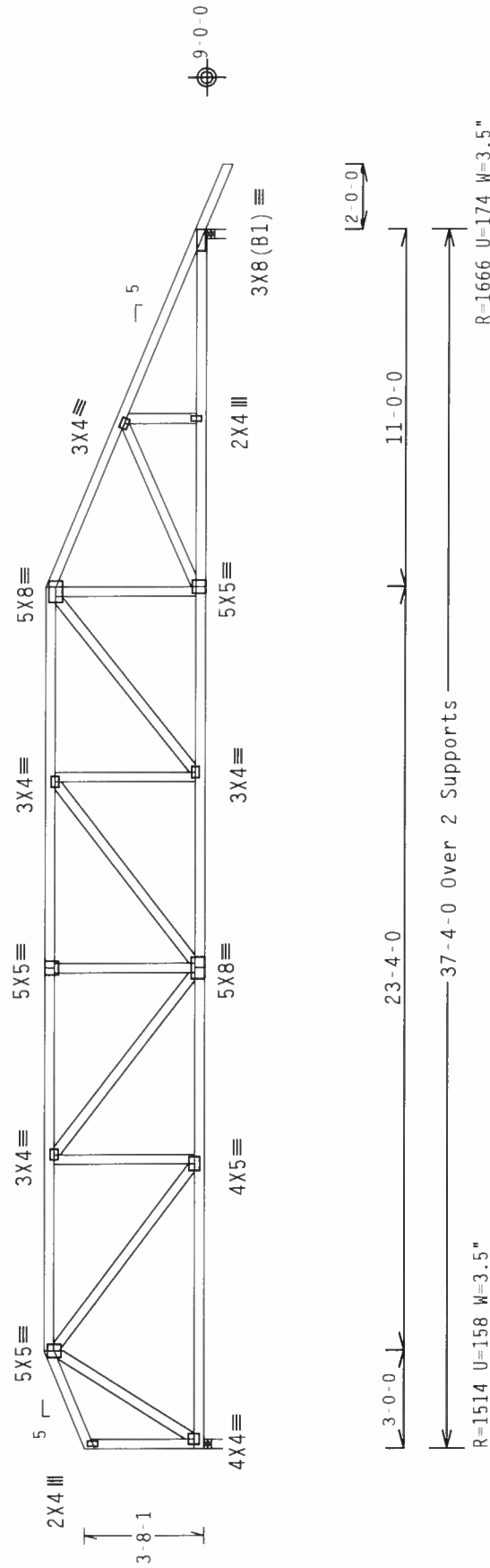
Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 4-11-1.

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: TPI-2002(STD)/FBC

PLT TYP. Wave

0424-12

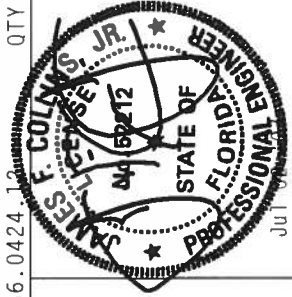
Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BEST AVAILABLE FABRICATOR'S INFORMATION. PUBLISHED BY THE STEEL ERECTORS' EDUCATIONAL FUND, 600 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES. THESE PRACTICES ARE NOT A SUBSTITUTE FOR PROPERLY ATTACHED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID BEAMING.

TC LL	20.0 PSF	REF R215-- 7149
TC DL	10.0 PSF	DATE 07/02/07

[illegible]

BC DL	10.0 PSF	DKW HCUSR215 07183015
BC LL	0.0 PSF	HC-ENG EC/AP
TOT. LD.	40.0 PSF	SEQN- 186044
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T8M215 Z04



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

Wind reactions based on MWFRS pressures.

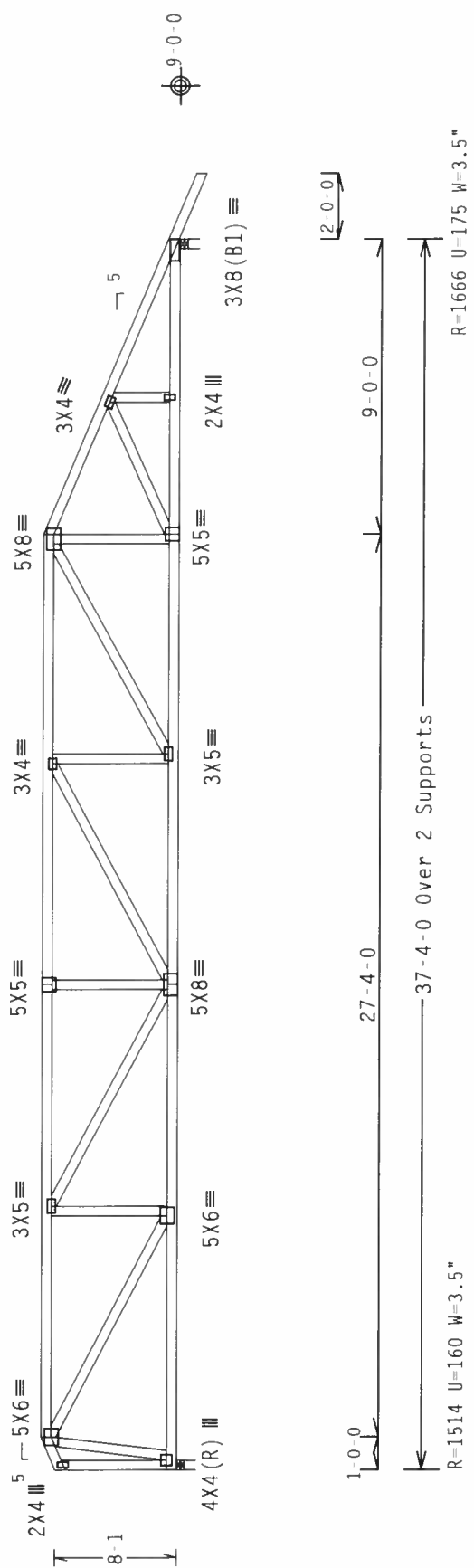
Left end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 4'-1".

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cpi}(+/-)=0.18$

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY:1	FL / - / 5 / - / - / R / -	Scale = .1875" / Ft.
	TC LL	20.0 PSF	REF R215 -- 7150
	TC DL	10.0 PSF	DATE 07/02/07
	BC DL	10.0 PSF	DRW HCUSR215 07183016
	BC LL	0.0 PSF	HC-ENG EC/AP
	TOT.L.D.	40.0 PSF	SEQN- 186037
	DUR.FAC.	1.25	FROM CDM
SPACING 24.0"			JREF- 1T8M215 Z04

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) 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. ITH 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ITH BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (40/60 (4, 8/16.55) GALV. STEEL. APPLY TO ALL TRUSSES OCCURRING IN THIS DESIGN. DESIGNATION PER DRAWINGS, FIG. 2. ANY INSPECTION OF PLATES FOLLOWED BY CS SHALL BE PERFORMED BY CS. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY 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.

ITH Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Jul 02 '07

	Top chord	2x4	SP	#2 N	:T2,	T3	2x6	SP	#2 N:
Bot chord	2x6	SP	#2 N	:B2	2x6	SP	SS:		
webs	2x4	SP	#2 N						

110 mph wind, 15.00 ft mean ht, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

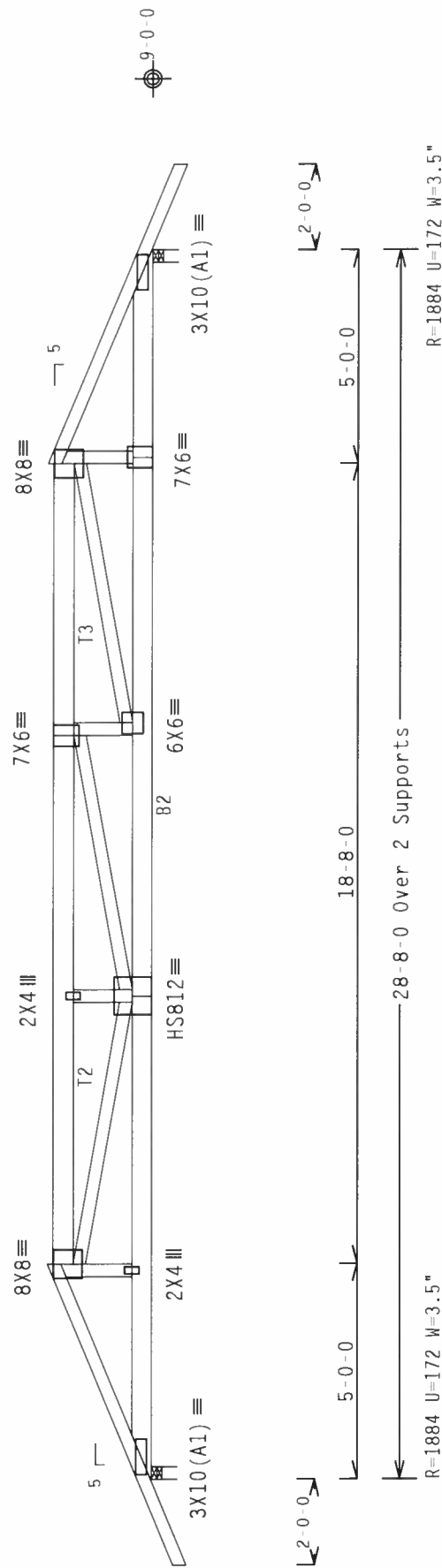
Wind reactions based on MWFRS pressures.

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

#1 hip supports 5-0-0 jacks with no webs.

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

The overall height of this truss excluding overhang is 2-5-1.



R=1884 U=172 W=3.5"

R=1884 U=172 W=3.5"

28-8-0 Over 2 Supports

PLT TYP. 20 Gauge HS.Wave
Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/

$$Cq/RT=1.00(1.25)/10(0) \quad 7.$$

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

Scale = .25"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE MANUFACTURING INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 210 COLUMBIA AVENUE, SUITE 100, WESTFIELD, MA 01095, (413) 562-1100, FOR THE LATEST TRUSS PLATE INSTITUTE (TRUSS PLATE) CHARTERED LAME, (401) 521-1919, 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 CELLING.

TC LL	20.0 PSF	REF	R215 -	7152
TC DL	10.0 PSF	DATE	07/02/07	
BC DL	10.0 PSF	DRW	HCUSR215	07183056
BC LL	0.0 PSF	HC-ENG	EC/AP	
TOT.LD.	40.0 PSF	SEQN-	185890	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T8M215	Z04

A circular professional engineer seal for James F. Collins, State of Florida, License No. 52212. The seal is stamped over a grid. To the right of the seal, the date "Jul 02, 1990" is handwritten.

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY IPT (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI. 48719) 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 CORDING.

*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, 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. TRUSSES SHALL BE DESIGNED TO MEET THE DESIGN REQUIREMENTS OF THE FOLLOWING TRUSSES: 1. TRUSS DESIGNATION: 171W BEG. 2. CONNECTOR PLATES ARE MADE OF 20/18/16GA. (H/25X3) ASH A663 GRADE 40/60 (H. 4/16X5) GALV. STEEL. APPLY 171W BEG. PLATES TO EACH FACE OF TRUSS AND OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. 3. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF TP11-2902 SEC.3. 4. 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 ANNEX 43 OF TP11-2902 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
E1 Certificate of Authorization # 567

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

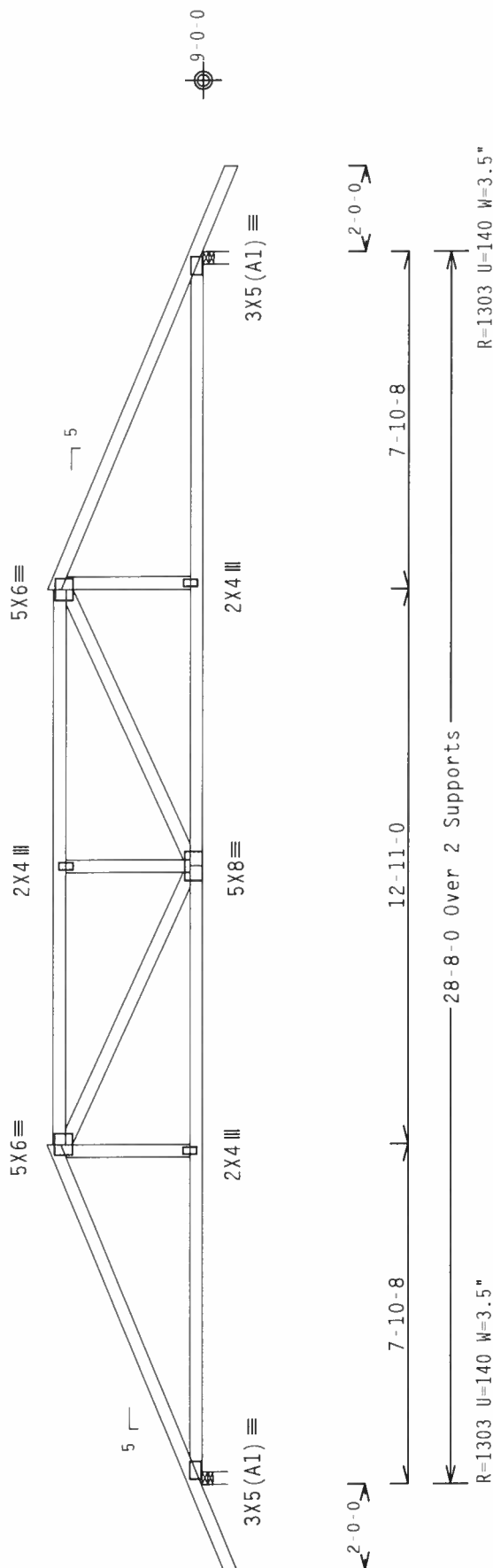
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCpi (+/-) = 0.18

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.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

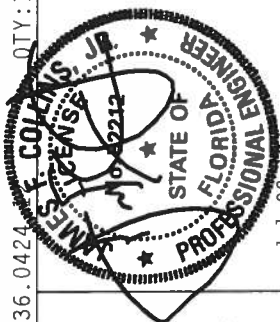
 $Cq/RT=1.00(1.25)/10(0)$ 7.36.04245

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

Scale = .25"/Ft.

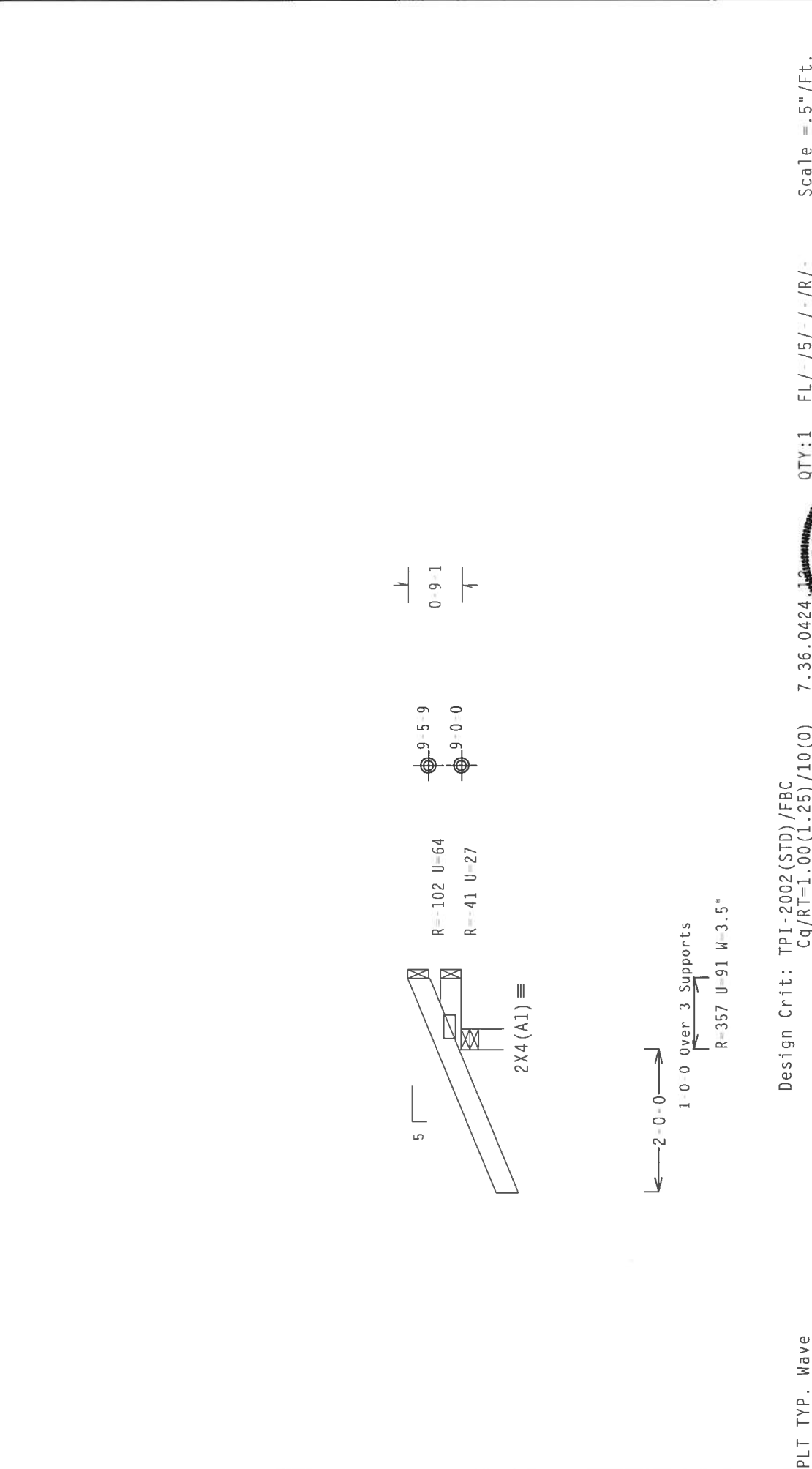
*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGN (BUILDING COMPONENTS) INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 210 ENTERPRISE LANE, HALLS CROSSING, MISSOURI 64571-9001, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNDESIRABLES INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID GIRDERS.

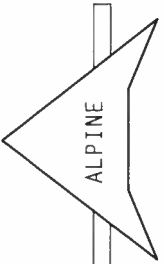
TC LL	20.0	PSF	REF R215-- 7154
TC DL	10.0	PSF	DATE 07/02/07
BC DL	10.0	PSF	DRW HCUSR215 07183018
BC LL	0.0	PSF	HC-ENG EC/AP
TOT.LD.	40.0	PSF	SEQN- 185898
DUR.FAC.	1.25		FROM CDM
SPACING	24.0"		JREF- 1T8M215 Z04



Jul 02 '07

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Wind reactions based on MWFRS pressures.
The overall height of this truss excluding overhang is 0 9-1.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18
Deflection meets L/240 live and L/180 total load.





ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424.12

PLT TYP. Wave

QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R215-- 7155
TC DL	10.0 PSF	DATE	07/02/07
BC DL	10.0 PSF	DRW	HCUSR215 07183057
BC LL	0.0 PSF	HC-ENG	EC/AP
TOT.LD.	40.0 PSF	SEQN	186080
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	1T8M215_Z04

James F. Collins, P.E.
Professional Engineer
No. 62112
State of Florida
July 02

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND MTCA (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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (4-N/55/18) ASTM A653 GRADE 40/60 (4, 8/11/55) GALV. STEEL. APPLY ANY INSPECTION OF MATERIALS AND BY OTHERS. THIS DESIGN IS NOT A SUBSTITUTE 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.

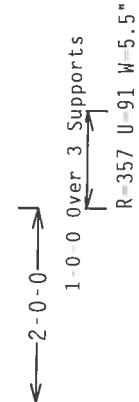
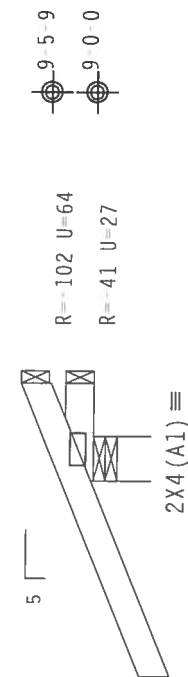
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 0-9-1.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi (+/-) 0.18

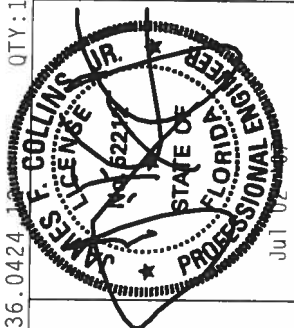
Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

QTY: 1	FL / - / 5 / - / - / R / -	Scale = .5" / Ft.
TC LL	20.0 PSF	REF R215 -- 7156
TC DL	10.0 PSF	DATE 06/29/07
BC DL	10.0 PSF	DRW HCUSR215 07180207
BC LL	0.0 PSF	HC-ENG EC/AP
TOT.LD.	40.0 PSF	SEQN- 186509
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T8M215.Z04



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (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 THE DESIGN OR CONSTRUCTION OF THIS TRUSS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF THE TRUSS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF THE TRUSS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF THE TRUSS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF THE TRUSS.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

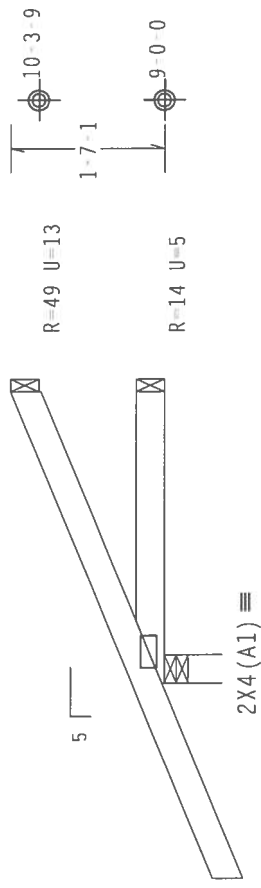
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, 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.

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

The overall height of this truss excluding overhang is 17.1.



$\overleftarrow{\hspace{1.5cm}} 2-0-0 \overrightarrow{\hspace{1.5cm}}$
 $\overleftarrow{\hspace{1.5cm}} 3-0-0 \text{ Over } 3 \text{ Supports } \overrightarrow{\hspace{1.5cm}}$
 R-314 U=42 W=3.5"

Design Crit: TPI-2002(STD)/FBC

Scale = .5"/Ft.

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

.36.0424 10

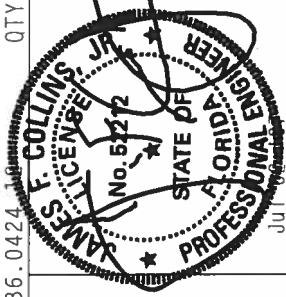
 $Cq/RT=1.00(1.25)/10(0)$

—
—
—
—
—
—
—
—

PLT TYP. Wave

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) 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 THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA. (4/15/25K) GALV. A663 GRADE 40/60 (4. K/515) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TPI1 '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 ANNEX (TPI) 1 SEC. 2.



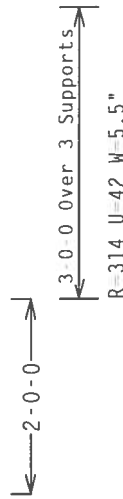
TC LL	20.0	PSF	REF	R215--	7157
TC DL	10.0	PSF	DATE	07/02/07	
BC DL	10.0	PSF	DRW	HCUSR215	07183019
BC LL	0.0	PSF	HC-ENG	EC/AP	*
TOT.LD.	40.0	PSF	SEQN-	186083	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T8M215_Z04	

[illegible]

110 mph wind, 15.00 ft mean ht, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL 5.0 psf, wind BC DL 5.0 psf. lw=1.00 GCpi(+/-)=0.18

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

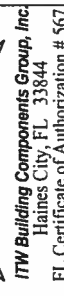
Deflection meets L/240 live and L/180 total load.



7.36.0424 1 FL / - / 5 / - / - / R / - QTY: 1 Scale = .5" / Ft.

TC LL	20.0 PSF	REF R215-- 7158
TC DL	10.0 PSF	DATE 07/02/07

BC DL	10.0 PSF	DRW	HCUSR215	07183020
BC LL	0.0 PSF	HC-ENG EC/AP		
TOT.LD.	40.0 PSF	SEON-	186506	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24 0"	10EE-	1T8M15 704	



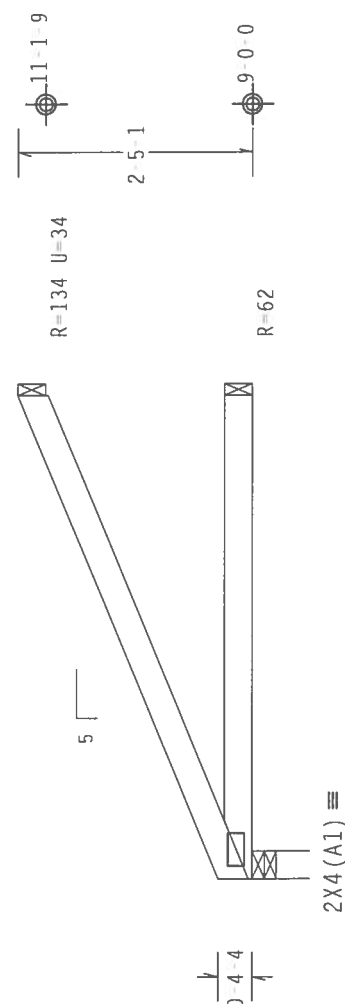
Haines City, FL 33844
FL Certificate of Authorization # 567

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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC
DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)0.18

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 25.1.

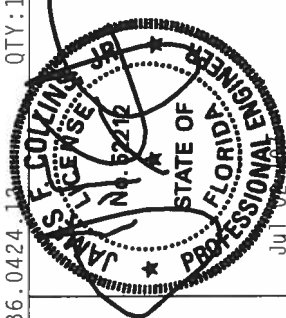


← 4-11-8 Over 3 Supports →
R=209 U=8 W=3.5"

Design Crit: TPI-2002(STD)/FBC

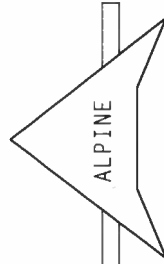
Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R215--	7160
TC DL	10.0	PSF	DATE	07/02/07	
BC DL	10.0	PSF	DRW	HCUSR215	07183022
BC LL	0.0	PSF	HC-ENG	EC/AP	*
TOT.LD.	40.0	PSF	SEQN	-	186095
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF	-	1T8M215_Z04



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCG (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY ITW TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WIGA (WOOD TRUSS COUNCIL OF AMERICA, 6300 MORRIS 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 CORREL.

****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 THE FABRICATING AND HANDLING, SHIPPING AND INSTALLING, OR BRACING SCHEDULE BY AFPPA AND TP1. ALL DESIGN CONNECTIONS MUST BE MADE AS SHOWN ON THIS DRAWING. UNLESS OTHERWISE SPECIFIED, ALL STEEL APPLY CONNECTOR PLATES ARE MADE OF 20/18/16GA (.015/.013/.010) ASTM A653 GRADE 40/60 (K/HS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF IP11 2002 SEC.3.) A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNING DESIGNER PER ANNUAL/TP1 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

(4700 - KEITH & BETTY GORDON HANG /EDGELY CONSTRUCTION - LAKE CITY, FL - JC5B)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Wind reactions based on MWFRS pressures.
The overall height of this truss excluding overhang is 25'-1".

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cpi}(+/-)=0.18$
Deflection meets L/240 live and L/180 total load.

5' ———

2'-0" ———

5'-0" Over 3 Supports ———

R=373 U=40 W=5.5"

R=119 U=30

2'-5" ———

2X4 (A1) ≡

PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00 (1.25) / (10.0) 7.36.0424.12

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

Scale = .5" / Ft.

REF	R215 --	7161
DATE	07/02/07	
DRW	HCUSR215	07183023
HC-ENG	EC/AP	*
SEQN	186503	
FROM	CDM	
JREF	1T8M215_Z04	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WICA CHORD TRUSS, COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2010/16GA (44/10/55/K) ASTM A653 GRADE 40/60 (4. K/M/55) GALV. STEEL. APPLY TO ALL TRUSSES UNLESS OTHERWISE NOTED ON THIS DESIGN. DESIGNER'S RESPONSIBILITY 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.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Wind reactions based on MWFRS pressures.
The overall height of this truss excluding overhang is 1-9-9.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18
Deflection meets L/240 live and L/180 total load.



2X4 (A1) =

3-6-0 Over 3 Supports

R=149 U=5 W=3.5"

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/5/-/-/R/-

Scale =.5"/Ft.

PLT TYP. Wave

REF R215-- 7162

DATE 07/02/07

DRW HCUSR215 07183024

HC-ENG EC/AP

SEQN- 186211

FROM CDM

JREF- 1T8M215 Z04

AMERICAN INSTITUTE OF PROFESSIONAL ENGINEERS

FLORIDA

STATE OF

NO. 62217

JUL 02 07

AMERICAN INSTITUTE OF PROFESSIONAL ENGINEERS

FLORIDA

STATE OF

NO. 62217

JUL 02 07

AMERICAN INSTITUTE OF PROFESSIONAL ENGINEERS

FLORIDA

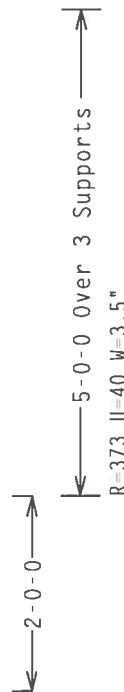
STATE OF

NO. 62217

JUL 02 07

AMERICAN INSTITUTE OF PROFESSIONAL ENGINEERS

FLORIDA

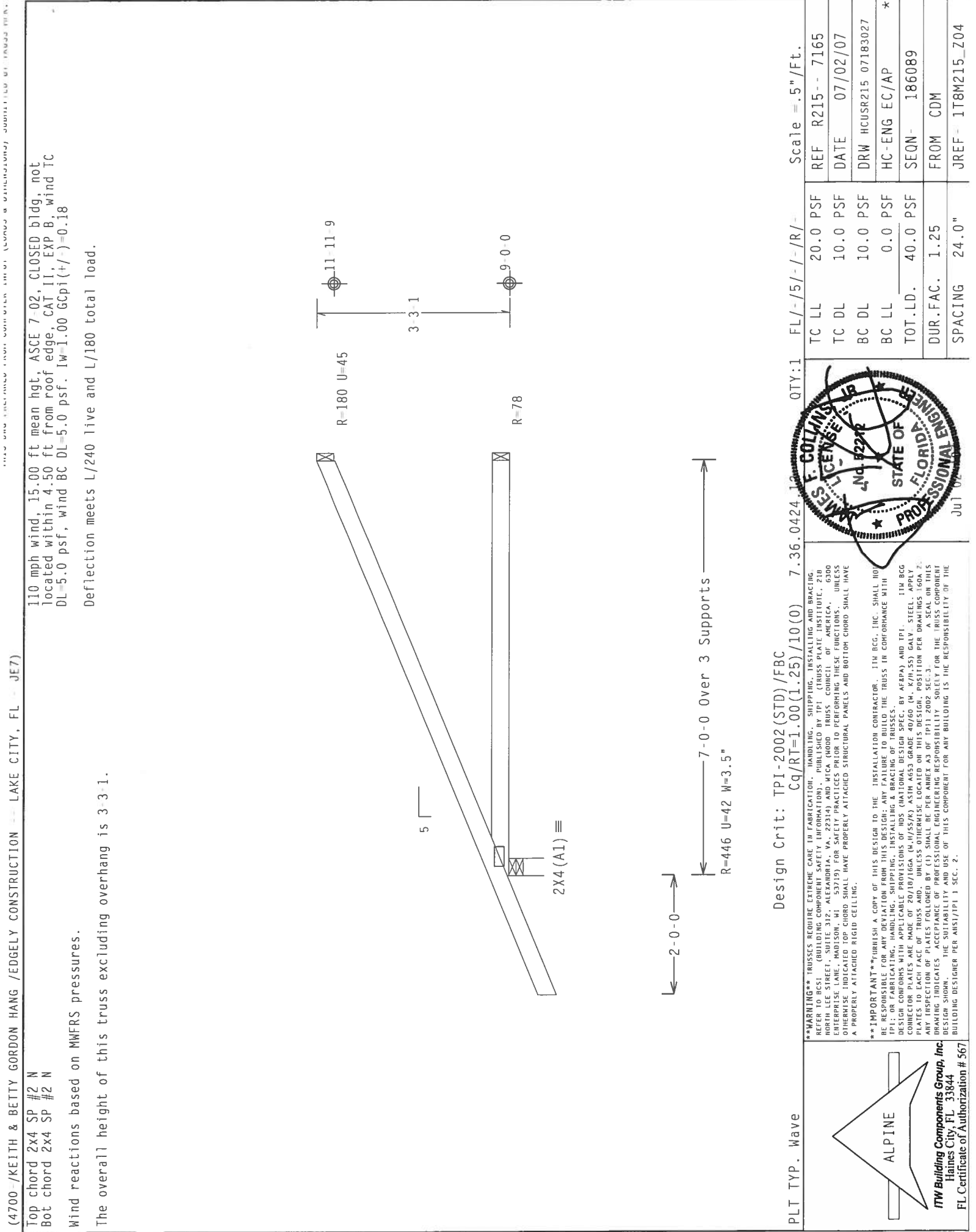


Design Crit: TPI-2002(STD)/FBC

Scale = 5"/Ft.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



(4700-)/KEITH & BETTY GORDON HANG /EDGELY CONSTRUCTION -- LAKE CITY, FL -- (JE7)

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $lw=1.00$ $G_{Cpi}(+/-)=0.18$

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

The overall height of this truss excluding overhang is 3'-3.1".

Wind reactions based on MWFRS pressures.

Top chord 2x4 SP #2 N

Bot chord 2x4 SP #2 N

5

2X4 (A1)

R-180 U=45

R-78

3'-3.1

2'-0-0

7'-0-0 Over 3 Supports

R=446 U=42 W=3.5"

Scale = 1/4" = 1'-0"

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.36.0424.12

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

Scale = 1/4" = 1'-0"

REF R215-- 7165

DATE 07/02/07

DRW HCUSR215 07183027

HC-ENG EC/AP *

SEQN- 186089

FROM CDM

JREF- 1T8M215_Z04

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.36.0424.12

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

Scale = 1/4" = 1'-0"

REF R215-- 7165

DATE 07/02/07

DRW HCUSR215 07183027

HC-ENG EC/AP *

SEQN- 186089

FROM CDM

JREF- 1T8M215_Z04

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844

FL Certificate of Authorization # 567

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) 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 & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2010/166A (4-N/55/5X) ASTM A653 GRADE 40/60 (4-N/55/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ALL DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS ARE TO FACE. THE TRUSS CONFORMS TO 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.

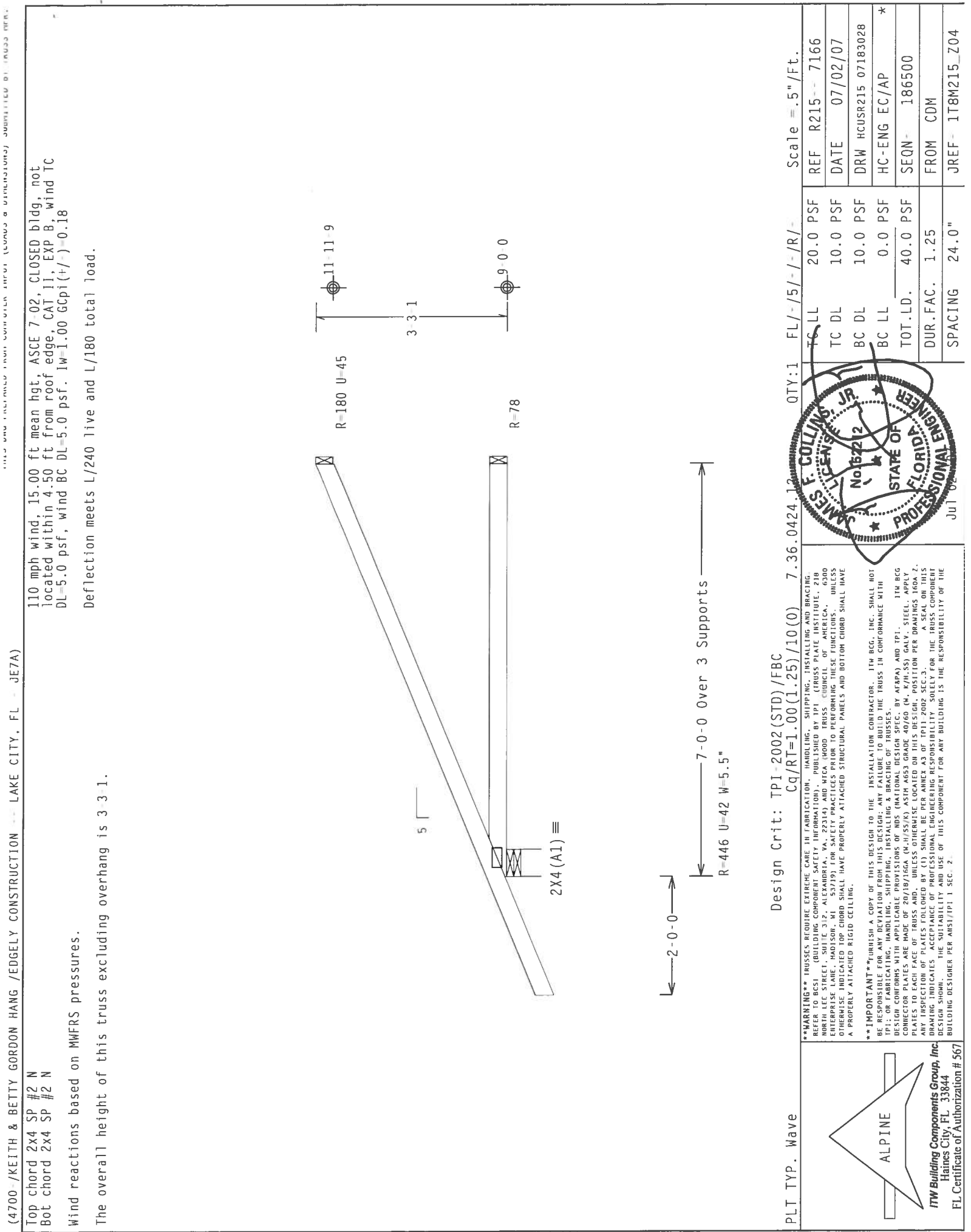
James F. Collins, Jr.

Professional Engineer

State of Florida

License No. 92272

July 02



(4700 /KEITH & BETTY GORDON HANG /EDGEY CONSTRUCTION -- LAKE CITY, FL -- JE7A)

Top chord 2x4 SP #2 N

Bot chord 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 3 3 1.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

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

PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)	7.36.0424.12	QTY:1	FL/-/5/-/-/R/-	Scale =.5"/Ft.
	REF R215-- 7166				
	DATE 07/02/07				
	DRW HCUSR215 07183028				
	HC-ENG EC/AP				*
	SEQN 186500				
	FROM CDM				
JREF- 1T8M215_Z04				SPACING 24.0"	
DUR.FAC. 1.25				TOT.LD. 40.0 PSF	
				BC LL 0.0 PSF	
				BC DL 10.0 PSF	
				TC DL 10.0 PSF	
				TC LL 20.0 PSF	

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE U.S. DEPARTMENT OF COMMERCE, 100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND NTCA (NATIONAL 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. ITM 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.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/55/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 TOGA 2. THIS TRUSS IS DESIGNED TO BE USED IN CONFORMANCE WITH THE TPI AND NDS. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

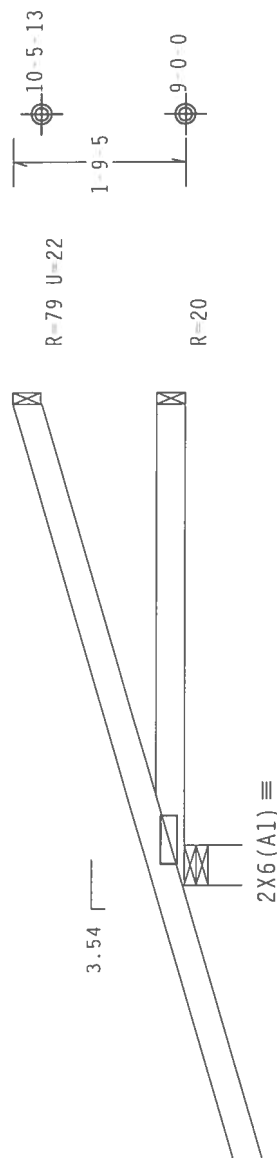
11110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf. Iw=1.00 GCpi(+/-) 0.18

wind reactions based on MWFRS pressures.

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

Hipjack supports 3-6-0 setback jacks with no webs.

The overall height of this truss excluding overhang is 19.5.


$$\overleftrightarrow{2-9-15}$$

← 4-11-6 Over 3 Supports →

Design Crit: $\text{TPI} - 2002(\text{STD}) / \text{FBC}$
 $\text{Ca} / \text{RT} = 1.00 (1.25) /$

PLT-TYP. Wave

24

QTY:1 EL / - / 5 / - / - / R / -

Scale = .5"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. WRITER OF BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CRUICKSHANK PLATE INSTITUTE, 218 WEST 37TH STREET, NEW YORK, N.Y. 10018-6900. TELEPHONE (212) 462-4000. FAX (212) 462-4001. E-MAIL: CRUICK@AOL.COM. WEBSITE: WWW.CRUICKSHANKPLATEINSTITUTE.COM. FOR FURTHER INFORMATION ON THIS PRODUCT, PLEASE CONTACT THE ABOVE LISTED PERSONS OR VISIT OUR WEBSITE.

EF R215-- 7167

DATE 07/02/07

RW HCUSR215 07183058

IC-ENG EC/AP

EQN- 186207

FROM CDM

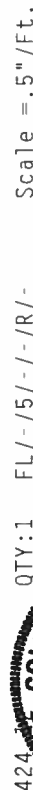
REF- 1T8M215 Z04

SPACING 24.0"

Jul 02 07

Haines City, FL 33844
FL Certificate of Authorization # 567

The overall height of this truss excluding overhang is 2-8-2.



•**WARNING**• TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO INSTRUCTIONS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (CROSS PLATE INSTITUTE, 218 E. WASHINGTON ST., CHICAGO, IL 60601) 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.

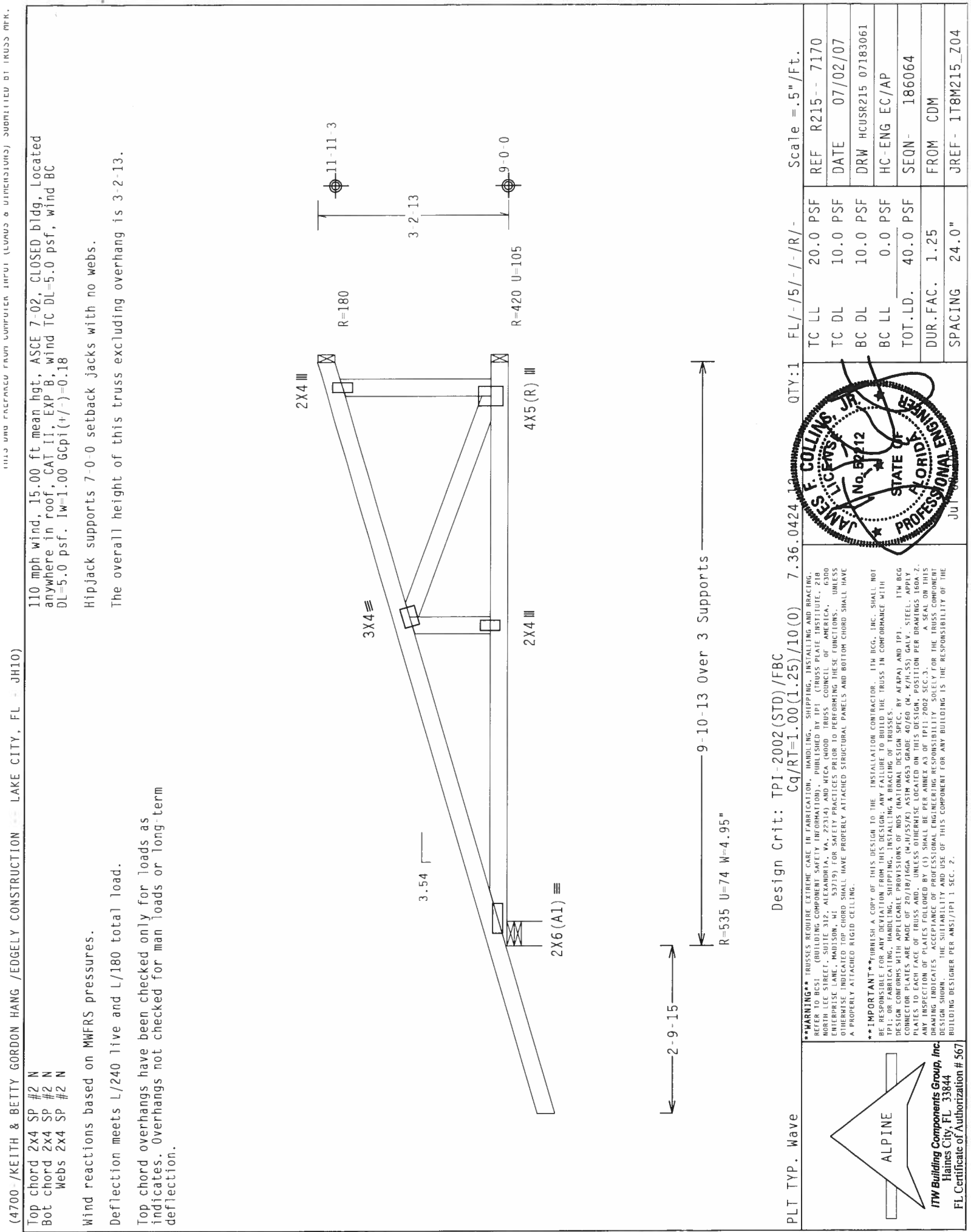
IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1 OR FACILITY DRAWING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

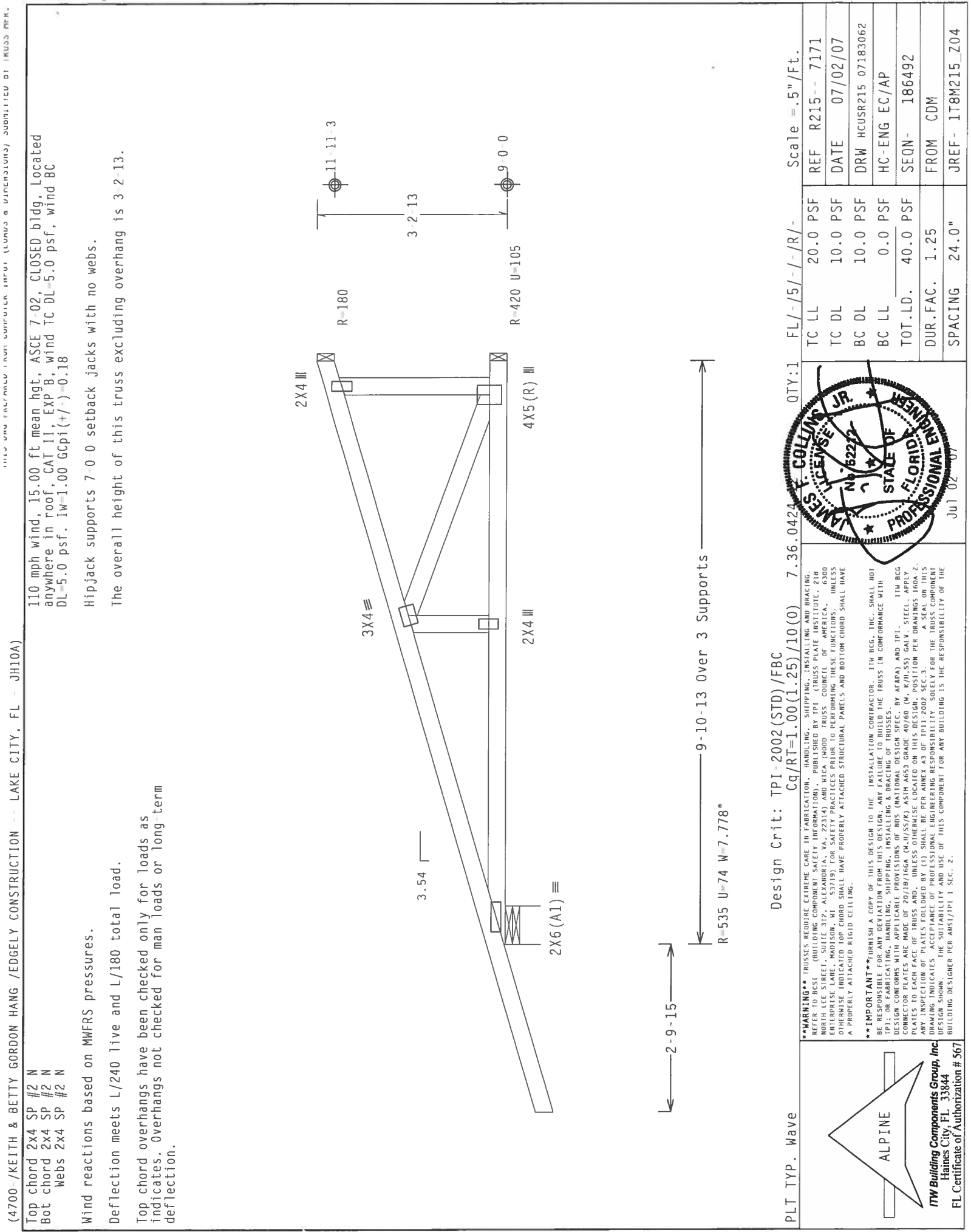
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC., BY AISC AND TP1. ITW BCG HAS DESIGNED THIS TRUSS TO MEET ALL LOCAL STRESS REQUIREMENTS (A-8.1.5) GALVATEC TYPE 2 PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE SPECIFIED, POSITION PER DRAWING ACROSS 2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF TP1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 4 SEC. 2.



TC LL	20.0	PSF	REF	R215--	7169
TC DL	10.0	PSF	DATE	07/02/07	
BC DL	10.0	PSF	DRW	HCUSR215	07183060
BC LL	0.0	PSF	HC-ENG	EC/AP	
TOT.LD.	40.0	PSF	SEQN-	186098	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T8M215_Z04	





(4700- /KEITH & BETTY GORDON HANG /EDGELY CONSTRUCTION -- LAKE CITY, FL - JH10A)

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

Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load.

Top chord overhangs have been checked only for loads as indicates. Overhangs not checked for man loads or long term deflection.

Hipjack supports 7-0-0 setback jacks with no webs.
The overall height of this truss excluding overhang is 3-2-13.

110 mph wind, 15.00 ft mean ht, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, Exp 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.36.0424

PLT TYP. Wave

Scale = .5" / Ft.

OTY:1

REF R215-- 7171

DATE 07/02/07

DRW HCUSR215 07183062

HC-ENG EC/AP

SEQN- 186492

FROM CDM

JREF- 1T8M215_Z04

TC LL 20.0 PSF

TC DL 10.0 PSF

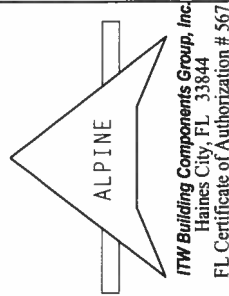
BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"



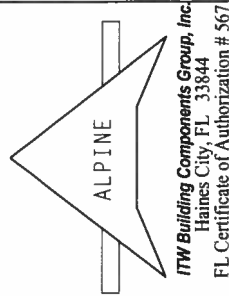
WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCA (NATIONAL COUNCIL OF AMERICA, 6300 ENTERPRISE 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.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI.

CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/55/K) ASH A653 GRADE 40/60 (M, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2.

ITW BCG, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS. THE DESIGNER'S RESPONSIBILITY FOR THE DESIGN OF THIS TRUSS IS NOT TRANSFERRED TO THE INSTALLATION CONTRACTOR BY THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

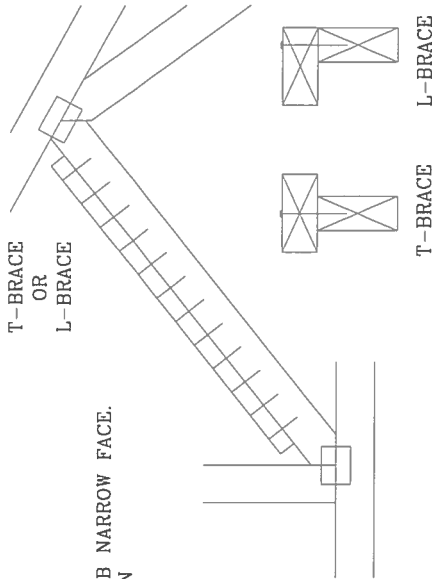
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING

OR

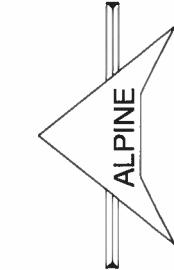
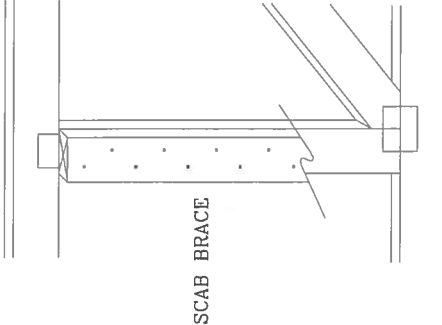
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE. ATTACH WITH 10d BOX OR GUN (0.128" x 3" MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d BOX OR GUN (0.128" x 3" MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



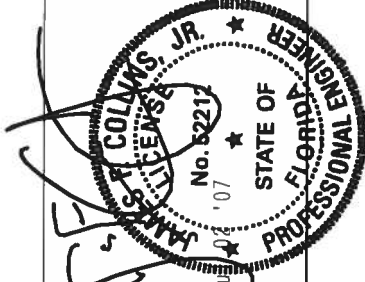
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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 STR., SUITE 312, ALEXANDRIA, VA 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, HAUCON, WI 53119) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIVITIES. ALL TRUSSES MUST BE PROPERLY ATTACHED TO THE STRUCTURE. PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO 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 DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALL TRUSSES MUST BE PROPERLY ATTACHED TO THE STRUCTURE. PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. APPLY PLATES TO EACH FACE OF TRUSS AND JOINTS. OTHERS SPECIFIED IN THIS DESIGN. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1-2002 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/ITPI 1 SEC. 2.

THIS DRAWING REPLACES DRAWING 579.640

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCLBSUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			



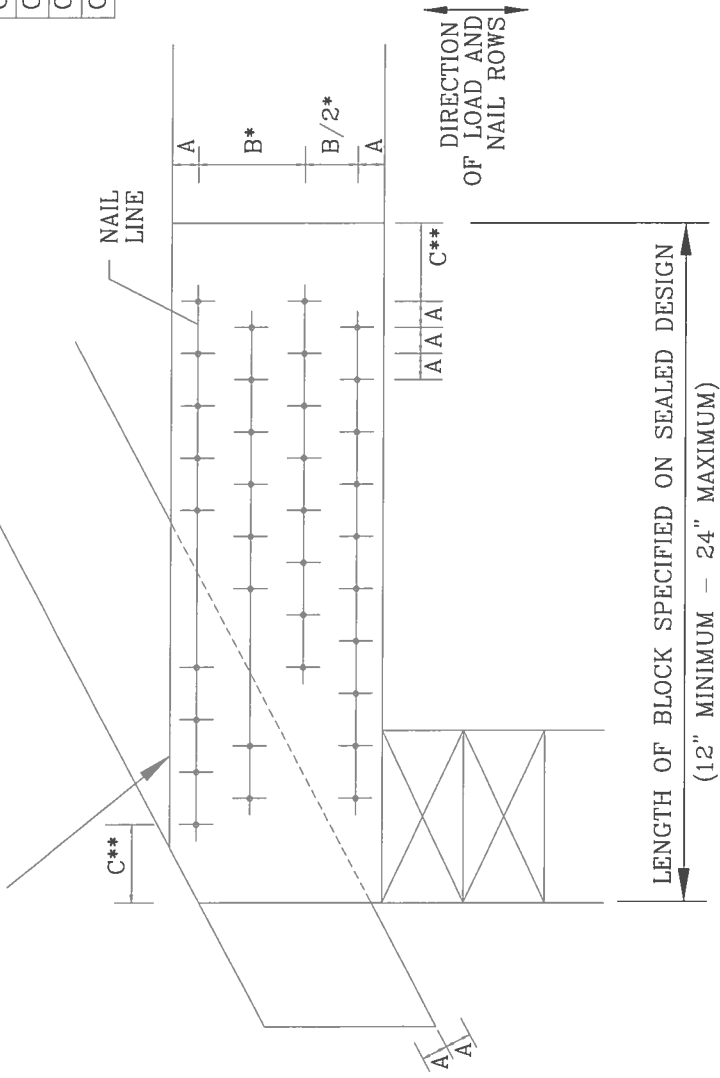
BEARING BLOCK NAIL SPACING DETAIL

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

- A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C - END DISTANCE (15 NAIL DIAMETERS)

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

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.



MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

NAIL TYPE	CHORD SIZE				
	2X4	2X6	2X8	2X10	2X12
8d BOX (0.113"X 2.5",MIN)	3	6	9	12	15
10d BOX (0.128"X 3",MIN)	3	5	7	10	12
12d BOX (0.128"X 3.25",MIN)	3	5	7	10	12
16d BOX (0.135"X 3.5",MIN)	3	5	7	10	12
20d BOX (0.148"X 4",MIN)	2	4	5	6	8
8d COMMON (0.131"X 2.5",MIN)	3	5	7	10	12
10d COMMON (0.148"X 3",MIN)	2	4	6	8	10
12d COMMON (0.148"X 3.25",MIN)	2	4	6	8	10
16d COMMON (0.162"X 3.5",MIN)	2	4	6	8	10
GUN (0.120"X 2.5",MIN)	3	6	8	11	14
GUN (0.131"X 2.5",MIN)	3	5	7	10	12
GUN (0.120"X 3",MIN)	3	6	8	11	14
GUN (0.131"X 3",MIN)	3	5	7	10	12

MINIMUM NAIL SPACING DISTANCES

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

THIS DRAWING REPLACES DRAWING B139 AND CNBRGK0699

ALPINE
BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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, 210 NORTH LEE STR., SUITE 312 ALEXANDRIA, VA 22314) AND VITA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. TRUSSES MUST BE PROPERLY INDICATED, IDENTIFIED, AND PROPERLY ATTACHED STRUCTURE PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO 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, DESIGN, OR CONSTRUCTION, APPLICABLE PROVISIONS OF AIA, NATIONAL DESIGN SPEC, BY AIA/ASD AND TPI, U.S. STEEL, SHALL BE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1-2002 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.

REF BEARING BLOCK
DATE 2/23/07
DRWG CNBRGK0207
-ENG SJP/KAR