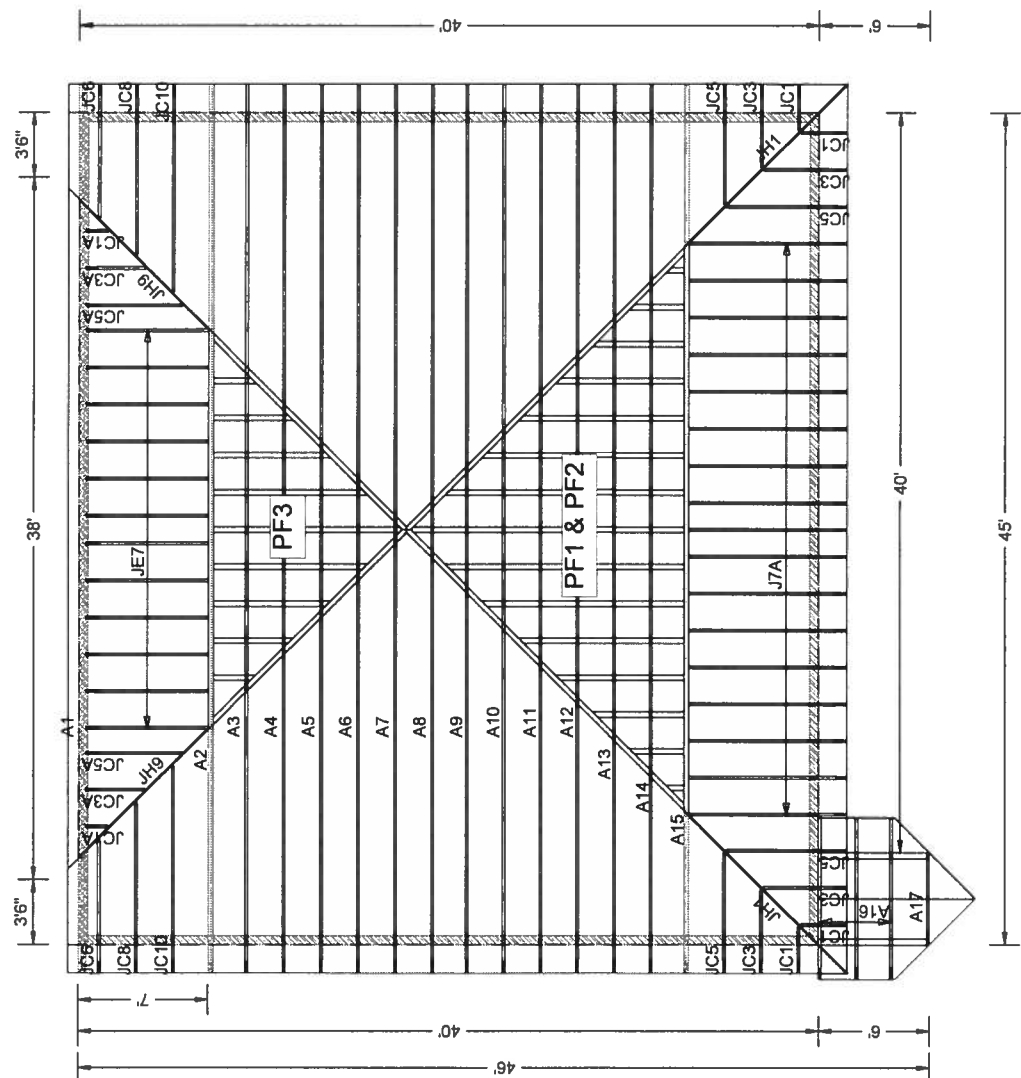


Revised
11-21-08



W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)

ROOF PITCH: 6/12
CLG PITCH: FLAT
OVERHANG: 1-10-8 PLUMB CUT
LOADING: 40 PSF T.L./SHINGLE
WIND LOAD: 110 MPH/ENCLOSED
EXT WALLS: 2x4 FRAMING
DATE: 12-14-07
REVISIONS: 11/7/08
(1) 1' HEEL HT ADDED
(2) HIP SET ADDED TO HANGER
DOOR SIDE.
(3) O.H. REVISED TO 1' 6 1/2"

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:ITMK215-Z0112094701

Truss Fabricator: W.B. Howland
Job Identification: 5119-/LAGONI /EDGELY CONSTRUCTION -- LAKE CITY, FL
Truss Count: 45
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.38.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
the seal date per section 61G15-31.003(5a) of the FAC
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Details: BRCLBSUB-

Seal Date: 11/12/2008

-Truss Design Engineer-
James F. Collins Jr.

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

#	Ref	Description	Drawing#	Date
1	36896--A1		08317001	11/12/08
2	36897--A2		08317013	11/12/08
3	36898--A3		08317001	11/12/08
4	36899--A4		08317024	11/12/08
5	36900--A5		08317002	11/12/08
6	36901--A6		08317006	11/12/08
7	36902--A7		08317002	11/12/08
8	36903--A7A		08317010	11/12/08
9	36904--A8		08317004	11/12/08
10	36905--A11		08317020	11/12/08
11	36906--A12		08317021	11/12/08
12	36907--A13		08317023	11/12/08
13	36908--A14		08317025	11/12/08
14	36909--A15		08317026	11/12/08
15	36910--A16		08317019	11/12/08
16	36911--A17		08317018	11/12/08
17	36912--A18		08317003	11/12/08
18	36913--A19		08317022	11/12/08
19	36914--A20		08317005	11/12/08
20	36915--A21		08317016	11/12/08
21	36916--A22		08317017	11/12/08
22	36917--A23		08317015	11/12/08
23	36918--A24		08317014	11/12/08
24	36919--A25		08317037	11/12/08
25	36920--A26		08317007	11/12/08
26	36921--A27		08317012	11/12/08
27	36922--A28		08317039	11/12/08
28	36923--A29		08317004	11/12/08
29	36924--A30		08317005	11/12/08
30	36925--JC1		08317041	11/12/08
31	36926--JC3		08317042	11/12/08
32	36927--JC5		08317011	11/12/08
33	36928--JEA		08317006	11/12/08
34	36929--JEB		08317028	11/12/08
35	36930--JEG		08317007	11/12/08
36	36931--JE5		08317040	11/12/08

#	Ref	Description	Drawing#	Date
37	36932--JE7		08317027	11/12/08
38	36933--JH7		08317008	11/12/08
39	36934--JH8		08317008	11/12/08
40	36935--JH9		08317029	11/12/08
41	36936--JH10		08317009	11/12/08
42	36937--PF1		08317003	11/12/08
43	36938--PF2		08317010	11/12/08
44	36939--PF3		08317038	11/12/08
45	36940--PF4		08317009	11/12/08



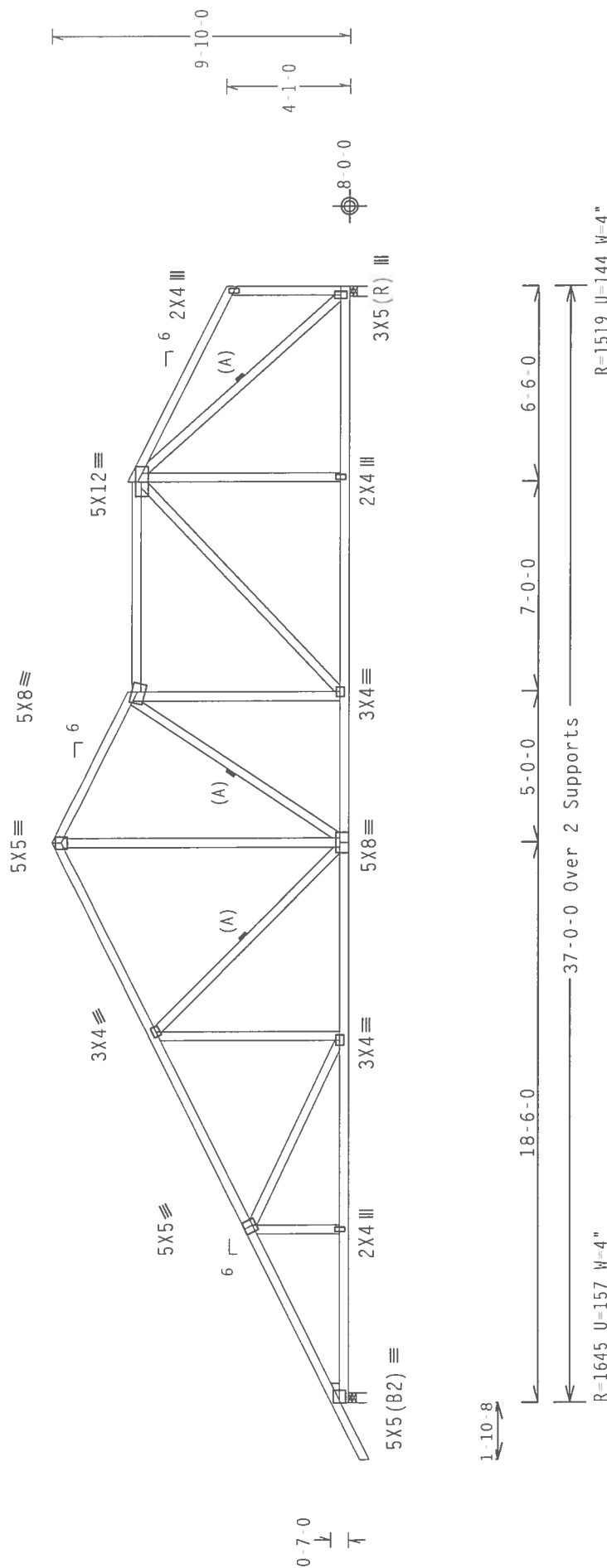
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCpi(+/-)0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

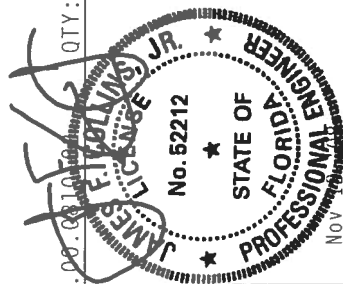
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 9-10-0.

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

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF R215 - 36896
TC DL	10.0 PSF	DATE 11/12/08
BC DL	10.0 PSF	DRW HCUR215 08317001
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 149555
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1TMK215 Z01

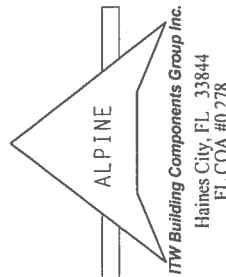


*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING UPON TO BESS. CONSULTING COMPONENT SAFETY IN ORIENTATION. PURLIN MUST BE TYPED CROSS PURLIN STRUCTURE. ZIP REFER TO BESS. HADISON LANE, HADISON, NJ 07431 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CHLING.

****IMPORTANT**** THROUGH A COPY OF THIS DESIGN, THE INSTALLATION CONTRACTOR MUST BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE HOUSE IN CONFORMANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPANIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) BY ATRPA AND TPI SHALL BE REQUIRED TO PROVIDE ALL NECESSARY INFORMATION TO THE INSTALLER REGARDING THE TRUSS SYSTEM. PLATES TO EACH FACE OF TRUSSES AND JOISTS (WHICH ARE LOCATED ON THIS DESIGN, POSITION PER DIAPHRAGM 160A.2) SHALL BE PROVIDED TO THE INSTALLER BY THE DESIGNER. THE DESIGNER SHALL PROVIDE A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS DESIGN. THE REMAINING PORTION OF THIS DOCUMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AS/NZS1171.1:2002.

PLT TYP. Wave



Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Wedge 2x4 SP #2 N:

(A) Continuous lateral bracing equally spaced on member.

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

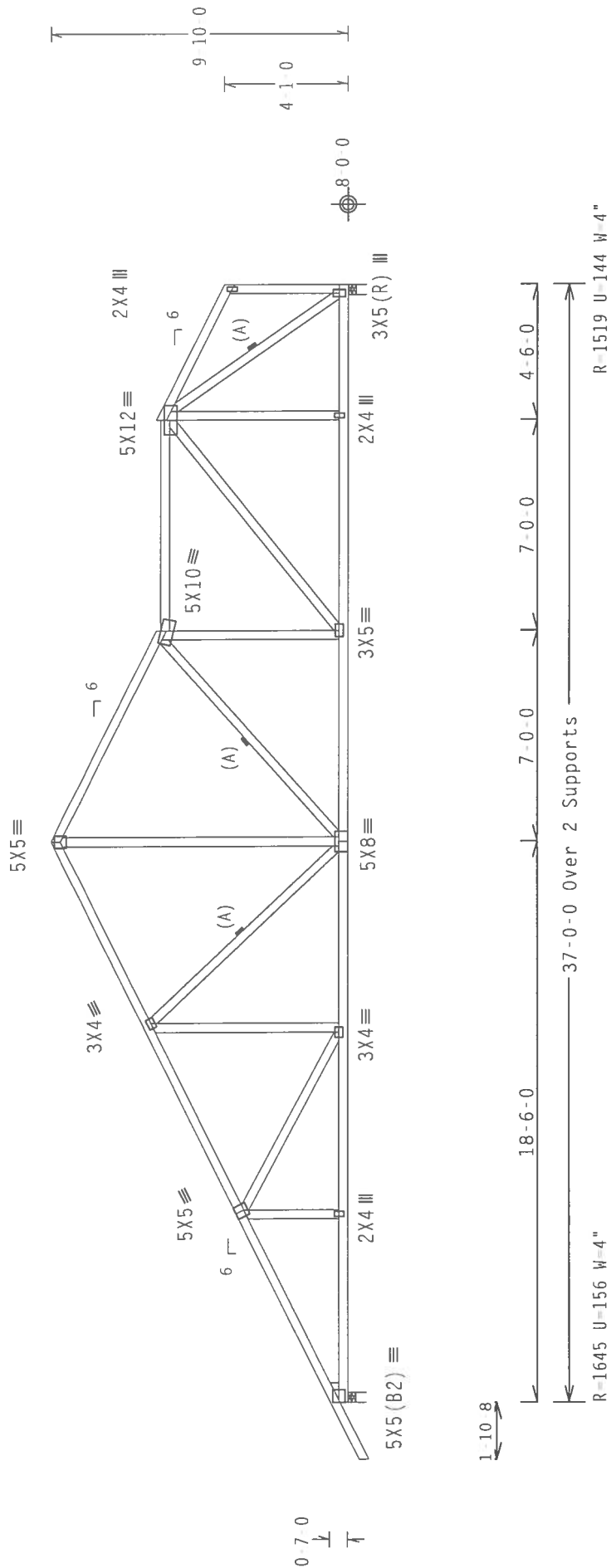
The overall height of this truss excluding overhang is 9-10 0.

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. 1w 1.00 GCpi(+/-) = 0.18

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

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



Design Crit: TPI-2002(STD)/FBC

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

7.38.00

QTY:1

FL/-5/-/-R/-

Scale = .1875" / Ft.

****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 BROTHERLY STREET, SUITE 317, ALEXANDRIA, VA 22304 AND TPI (TRUSS PLATE INSTITUTE), 6000 WILSON AVENUE, SUITE 100, WILSON, NC 27157. THESE TRUSSES ARE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE TPI DESIGN SPECIFICATIONS FOR STEEL TRUSSES. 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. TPI BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY VIOLATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AREA) AND TPI. TPI BCG CONNECTION PLATES ARE MADE OF 20/18/16GA (W/55/8) ASTM A653 GRADE 40/60 (W/ K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBIA 3 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 AMBIA/TPI 1 SEC. 2.

PLT TYP. Wave

REF R215 - 36897
DATE 11/12/08
DRW HCUSR215 08317013
HC-ENG AK/WHK
SEQN - 149549
FROM CDM
JREF - 1TMK215_Z01

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

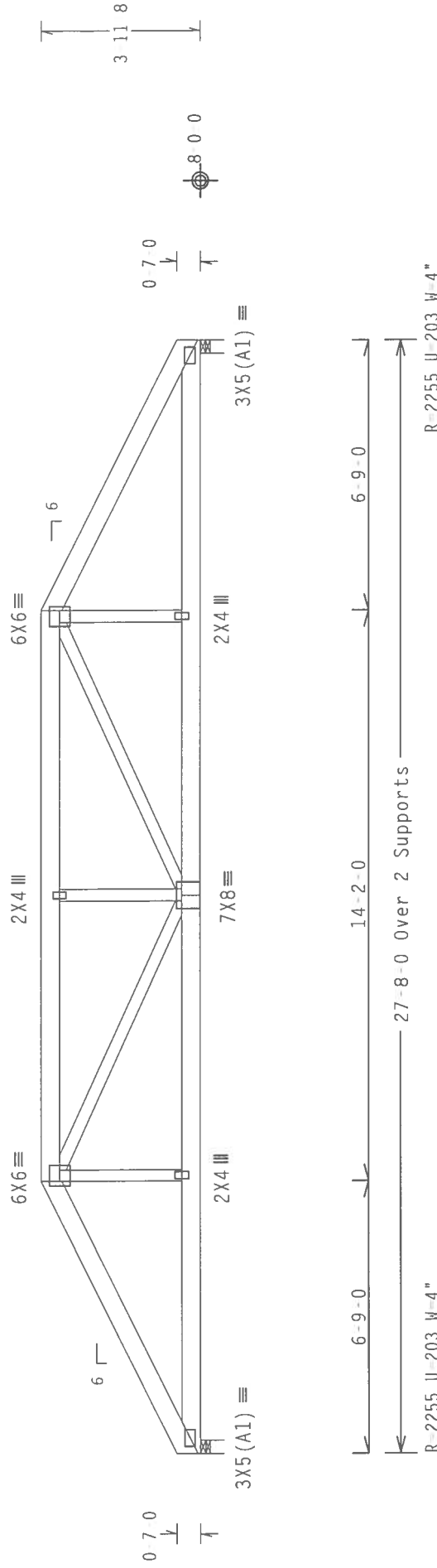
2 COMPLETE TRUSSES REQUIRED

Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

The overall height of this truss excluding overhang is 3'11"8.



- 27-8-0 Over 2 Supports

R-2255 U-203 W-4"

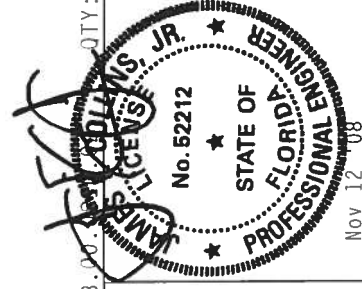
Design Crit: TPI-2002(STD)/FBC
Ca/RT=1.00(1.25)

PLOT TYPE: Wave

00. ~~Quantity~~ QTY: 1 EL/-/5/-/-/RI-

Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R215 --	36898
TC DL	10.0	PSF	DATE	11/12/08	
BC DL	10.0	PSF	DRW	HCUSR215	08317001
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	149543	
DUR.FAC.	1.25		FROM	CDM	
SPACING	SEE ABOVE		JREF-	1TMK215	Z01



Nov 12 '08

ALPINE

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

Top chord 2x4 SP #2 N :T2 2x6 SP #2 N:

Bot chord 2x6 SP #2 N

Webbs 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. lw=1.00 GCpi(+/-)0.18

Wind reactions based on MWFRS pressures.

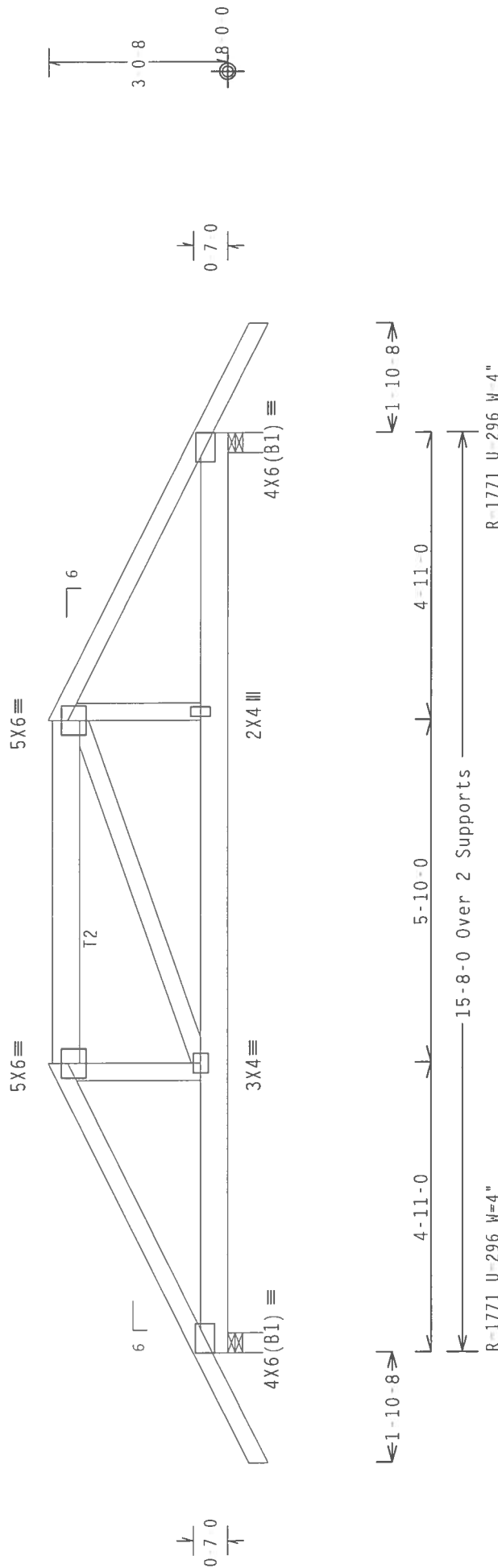
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 3 0 8.

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 1.88 to 62 PLF at 5.00
TC - From 62 PLF at 5.00 to 62 PLF at 10.67
TC - From 62 PLF at 10.67 to 62 PLF at 17.54
BC - From 20 PLF at 0.00 to 20 PLF at 15.67
PLT 454 LB Conc. Load at (5.00,10.93), (10.67,10.93)
PLT 131 LB Conc. Load at (7.06,10.93), (8.60,10.93)
PLB 373 LB Conc. Load at (5.00,8.04), (10.67,8.04)
PLB 51 LB Conc. Load at (7.06,8.04), (8.60,8.04)

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



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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCS1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH 1ST STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 NORTH MICHIGAN, SUITE 1300, CHICAGO, IL 60611) FOR ADDITIONAL INFORMATION. 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. CORRECTOR PLATES ARE MADE OF 20/18/16GA (40/55/50) ASH 6053 GRADE 40/60 (M, K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL OF PER AMEX A3 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.

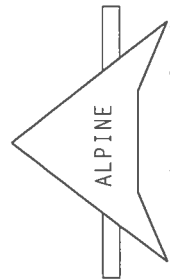
PLT TYP. Wave

7.38.00

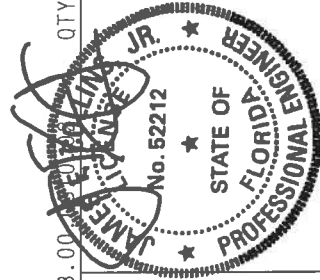
QTY:1

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R215	36899
TC DL	10.0 PSF	DATE	11/12/08	
BC DL	10.0 PSF	DRW	HCUSR215 08317024	
BC LL	0.0 PSF	HC-ENG	AK/WHK	
TOT.LD.	40.0 PSF	SEQN	149906	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	1TMK215 201	



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

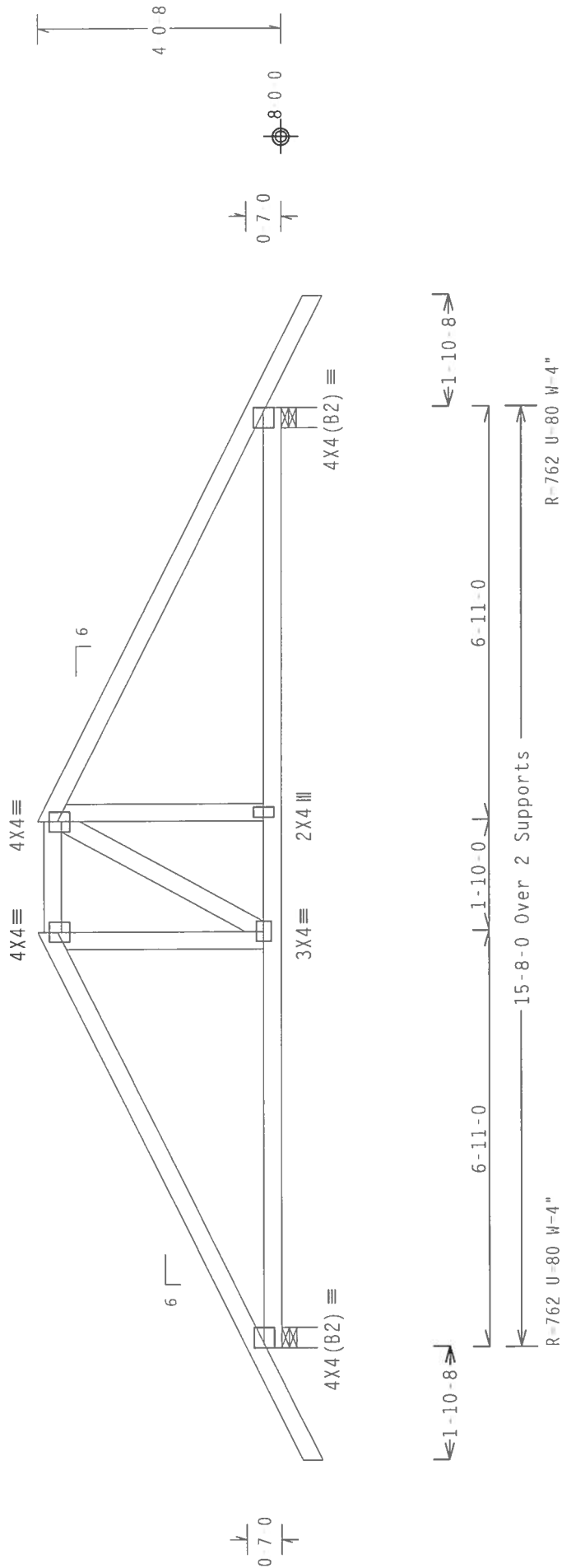


110 mph wind, 15.00 ft mean hgt, ASCE 7 02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL 5.0 psf, wind BC DL 5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MVFR pressures.

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

The overall height of this truss excluding overhang is 40.8.

Design Crit: $\text{TPI-2002(STD)}/\text{FBC}$
$$\text{PI-2002(STD)/FBC}$$

Scale = .375"/Ft.

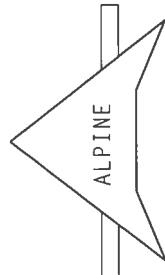
PLT TYP. Wave

WARNING TRUSSES BEING UTILIZED IN THE CARE OF FABRICATIONS... HARMFUL TO SHIPPING... UNLESS PLANT INSPECTOR...
REFER TO DESIGNS FOR BUILDING COMPONENT SAFETY INFORMATION... PUBLISHED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA., 22304 AND MICA GROUP TRUSS COMPANY OF AMERICA,
EMPLOYEE STATE, MADISON, WI, 53719 FOR SALES PRICES PRIOR TO PERFORMING THESE FUNCTIONS.
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
PROPERLY ATTACHED RIGID JOINT.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR FOR THE BCG, INC. SHALL BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, BY ACP/PA AND TPI. THE BCG DESIGN COMPONENTS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY ACP/PA) AND TPI. CONNECTIONS FOR PLATES ARE MADE OF 2010/1016, UNF/55/55/55, ASH 6053 GRADE, 40/60 (N, K, H, S) GALV. SILLI. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED, POSITIONED FOR BRACING. 160A. 2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERX AS OF 17/11 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. TPI AMERX/17/11 SEC. 2.



TC LL	20.0 PSF	REF R215-- 36900
TC DL	10.0 PSF	DATE 11/12/08
BC DL	10.0 PSF	DRW HCUR215 08317002
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 149366
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1TMK215_Z01

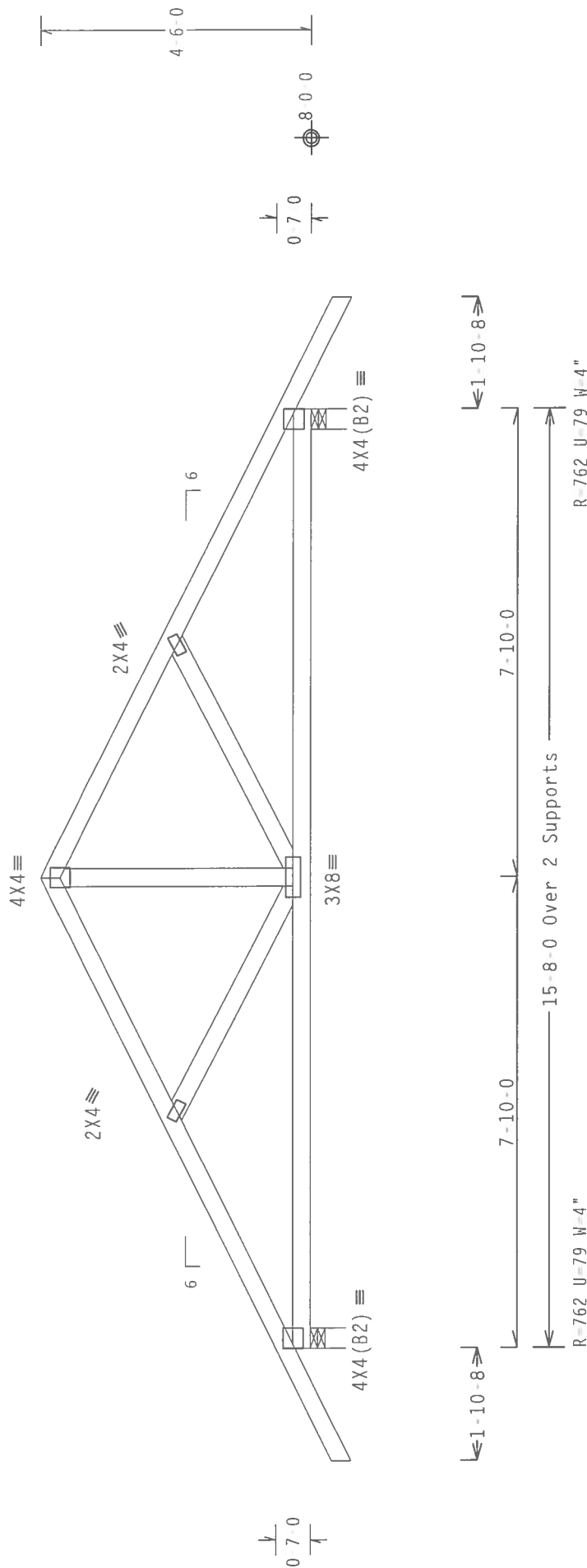


ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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(1/)-0.18

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 4.60.

Design Crit: TPI-2002(STD)/FBC
Ca/RT=1.00(1.25)

Scale = 375"/Ft.

[illegible]

ALPINE

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

STAFF OF

STATE OF

54

FLORIDA

Signs and Symptoms

ATIONAL

08-71

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

: Lt Slider 2x6 SP #2 N: BLOCK LENGTH = 2.206'

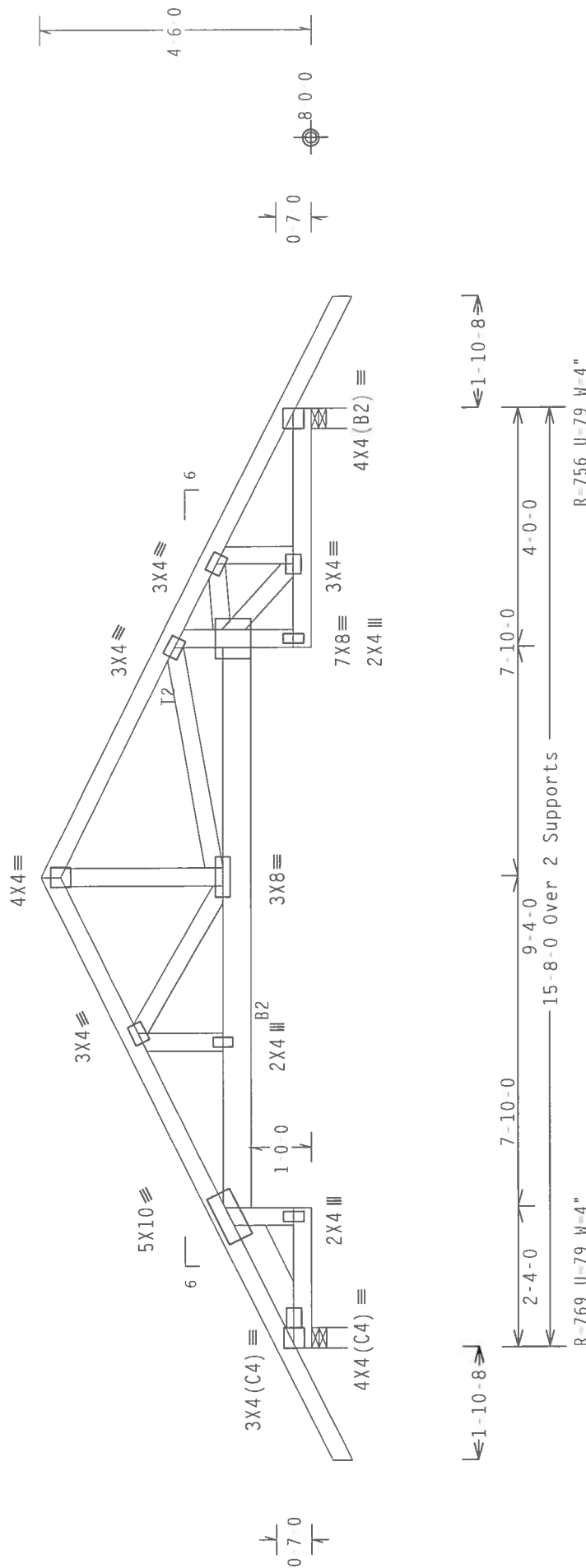
Calculated horizontal deflection is 0.22" due to live load and 0.21" due to dead load.

The overall height of this truss excluding overhang is 46.0.

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(i)=0.18

Wind reactions based on MWFRS pressures.

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



Design Crit: TPI-2002(STD)/FBC

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

00

QTY:4 FL/-/5/-/-/R/-

Scale = .375"/Ft.

WARNING THESE REQUIRE EXTREME CARE IN FABRICATING. HANDLING, SHIPPING, UNLOADING AND BRACING. BEARINGS MUST BE OIL-DEPLETED COMPONENTS. INFORMATION FROM USED BY THE JOINTS PLATE INSTITUTE, 218 MILLER STREET, LANE, HOUSTON, TX 77002. ALEXANDRIA, VA 22304, AND WEGA TRUSS, CORP. OF AMERICA, 6500 COLUMBIA STREET, HOUSTON, TX 77057. THE FABRICATOR'S RESPONSIBILITY TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAINTS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BLEED FILLS.

*** IMPORTANT *** THROUGH A COPY OF THIS DESIGN, THE INSTALLATION CONTRACTOR, THE EGC, THE SHALL BE RESPONSIBLE FOR OBTAINING FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING, OR BRACING OF BRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ALPMA) AND IPT. CONNECTION PLATES ARE MADE OF 2014/106GA. (ASTM A563 GRADE 40/60 (U.S. 70/100) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, WHERE DIFFERENT, LOCATED ON THIS DESIGN, POSITIONING PER DRAWINGS TADA 2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN A3 OF IPT 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 OR SIGNER, IPT 1 SEC. 7.



NOV 27 1988

JREF- 1TMK215 701

SPACING 24.0"

Nov 17 08

JREF- 1TMK215 701

Top chord 2x4 SP SS :T2 2x4 SP #2 N:
Bot chord 2x4 SP #2 N :B2 2x6 SP #2 N:
Webs 2x4 SP #2 N
:Lt Slider 2x6 SP #2 N: BLOCK LENGTH = 2.206'

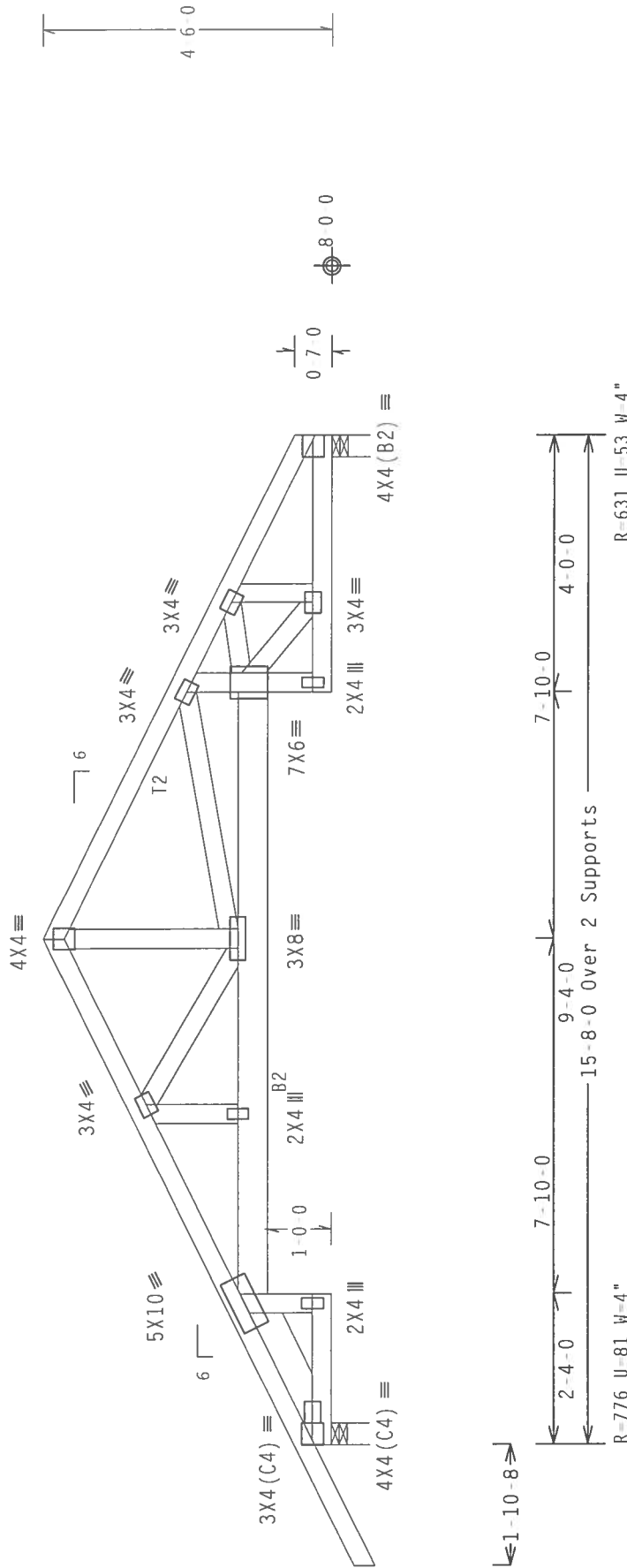
Calculated horizontal deflection is 0.21" due to live load and
0.21" due to dead load.

The overall height of this truss excluding overhang is 4 6 0.

110 mph wind, 15.00 ft mean htg, 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. $I_w=1.00$ $G_{CPI}(v/-)=0.18$

Wind reactions based on MWFRS pressures.

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



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

PLT TYP. Wave

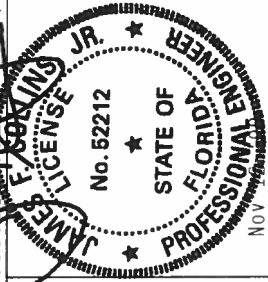
7.38.00 (1810.00)

QTY:1

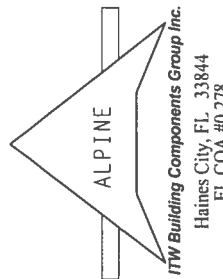
Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTERIOR GABLE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 WEST STREET, SUITE 200, ALBANY, NY 12204, FOR ADDITIONAL INFORMATION. TRUSSES ARE TO BE USED IN CONFORMANCE WITH THE TPI DESIGN CRITERIA. 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. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONCORDS WITH APPLICABLE PROVISIONS OF BIDS (NATIONAL DESIGN SPEC, BY AREA) AND TPI. TRUSS PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF 1911 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE LIABILITY 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 -- 36903
TC DL	10.0 PSF	DATE	11/12/08
BC DL	10.0 PSF	DRW	HCUSR215 08317010
BC LL	0.0 PSF	HC-ENG	AK/WHK
TOT.LD.	40.0 PSF	SEQN-	149395
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	1TMK215 Z01



4 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3"_Gun_nails)
 Top Chord: 1 Row @12.00" o.c.
 Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)
 Webs : 1 Row @ 4" o.c.

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting. In addition apply (1) 1/2" bolt at each joint location.

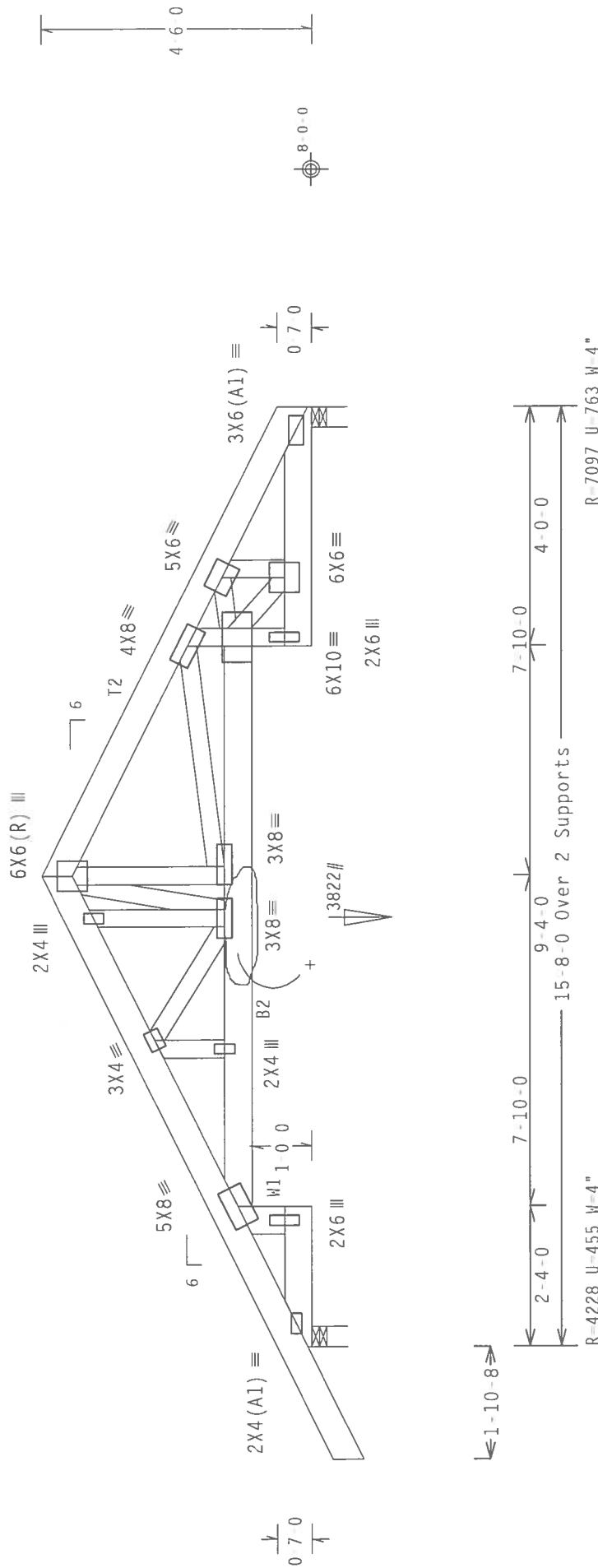
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

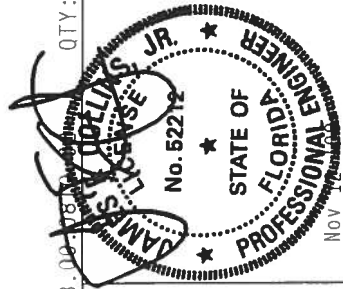
The overall height of this truss excluding overhang is 4·6·0.

+ 12-(.162"x3.5")16d COMMON NAILS OPPOSITE HANGER AFTER THE THIRD PLY IS ATTACHED. 6-(.162"x3.5")16d COMMON NAILS OPPOSITE HANGER AFTER THE FOURTH PLY IS ATTACHED.

Design Crit: TPI-2002(STD)/FBC
Ca/RT=1.00(1.25)

PLT TYP. Wave

Scale = .375"/Ft.

[illegible][illegible]

TC LL	20.0	PSF	REF R215 -	36904
TC DL	10.0	PSF	DATE	11/12/08
BC DL	10.0	PSF	DRW	HCUUSR215 08317004
BC LL	0.0	PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0	PSF	SEON-	149710
DUR.FAC.	1.25		FROM	CDM
SPACING	SEE ABOVE		JREF-	1TMK215 Z01



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

Top chord 2x4 SP #2 N : T3 2x6 SP #2 N :
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N

SPECIAL LOADS

(LUMBER DUR.FAC. = 1.25 / PLATE DUR.FAC. = 1.25)
TC - From 62 PLF at 1.88 to 62 PLF at 12.33
TC - From 62 PLF at 12.33 to 62 PLF at 18.33
TC - From 62 PLF at 18.33 to 62 PLF at 30.67
TC - From 62 PLF at 30.67 to 62 PLF at 38.88
BC - From 20 PLF at 0.00 to 20 PLF at 37.00
TC - 88 LB Conc. Load at 24.79
TC - 173 LB Conc. Load at 26.60, 28.60, 30.60
BC - 1272 LB Conc. Load at 24.79
BC - 68 LB Conc. Load at 26.60, 28.60
BC - 404 LB Conc. Load at 30.67

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun nails)

Top Chord: 1 Row @12.00" O.C.

Bot Chord: 1 Row @12.00" O.C.

Webs : 1 Row @ 4" O.C.

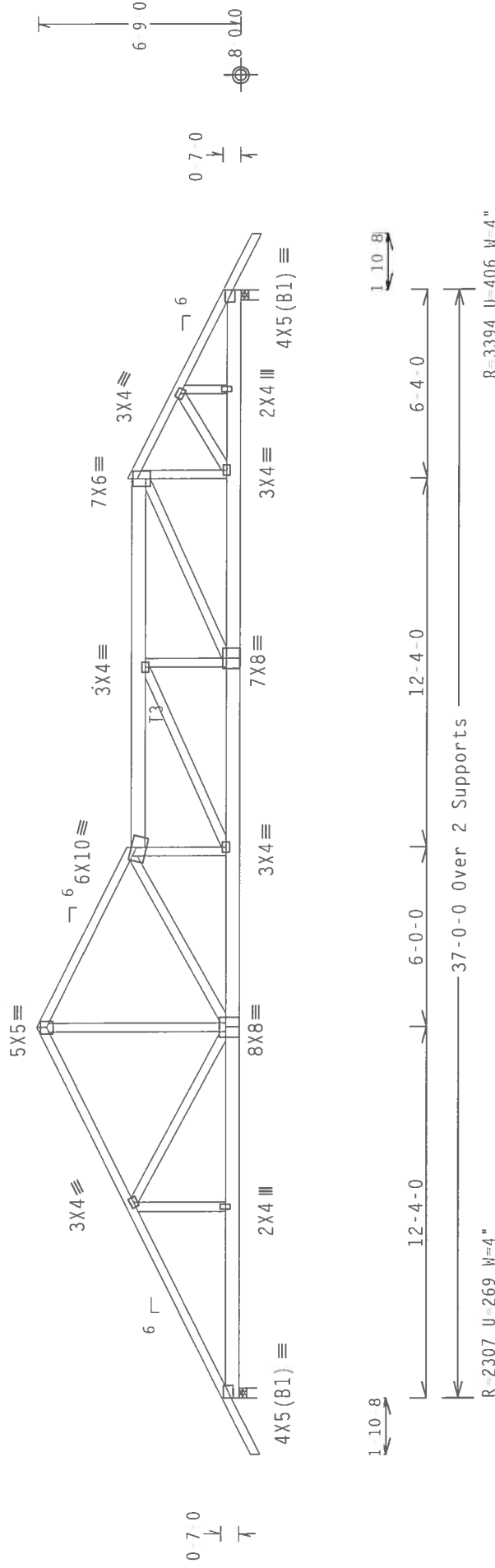
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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.

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

The overall height of this truss excluding overhang is 6 9 0.



Design Crit: TPI-2002(STD)/FBC

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

7.38

QTY:1

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

Scale = .1875"/Ft.

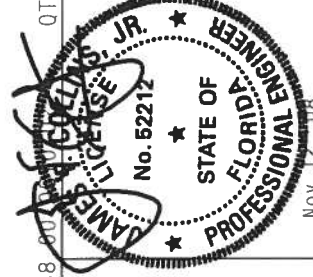
PLT TYP. Wave

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENTS SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 HAINES CITY, FL 33844, FOR ALL INFORMATION. ALL TRUSSES ARE TO BE ASSEMBLED AND ERECTED IN ACCORDANCE WITH THE TPI TRUSSING MANUAL, 1997 EDITION, AND THE TPI TRUSSING MANUAL, 2002 EDITION, 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AISC AND TPI. THE BCG CONTRACTOR PLATES ARE MADE OF 2018/16GA (40/55/70) ASTM A653 GRADE 40/60 (40, 55, 70) 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 (C) SHALL BE PER AISC A3 OF TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT. THE BCG, INC. IS NOT PROVIDING ANY DESIGN OR ENGINEERING SERVICES FOR THIS COMPONENT. THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



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



TC LL	20.0 PSF	REF	R215--	36905
TC DL	10.0 PSF	DATE	11/12/08	
BC DL	10.0 PSF	DRW	HCUSR215	08317020
BC LL	0.0 PSF	HC	ENG AK/WHK	
TOT.LD.	40.0 PSF	SEQN	149645	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	1TMK215_Z01	

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(μ) -0.18

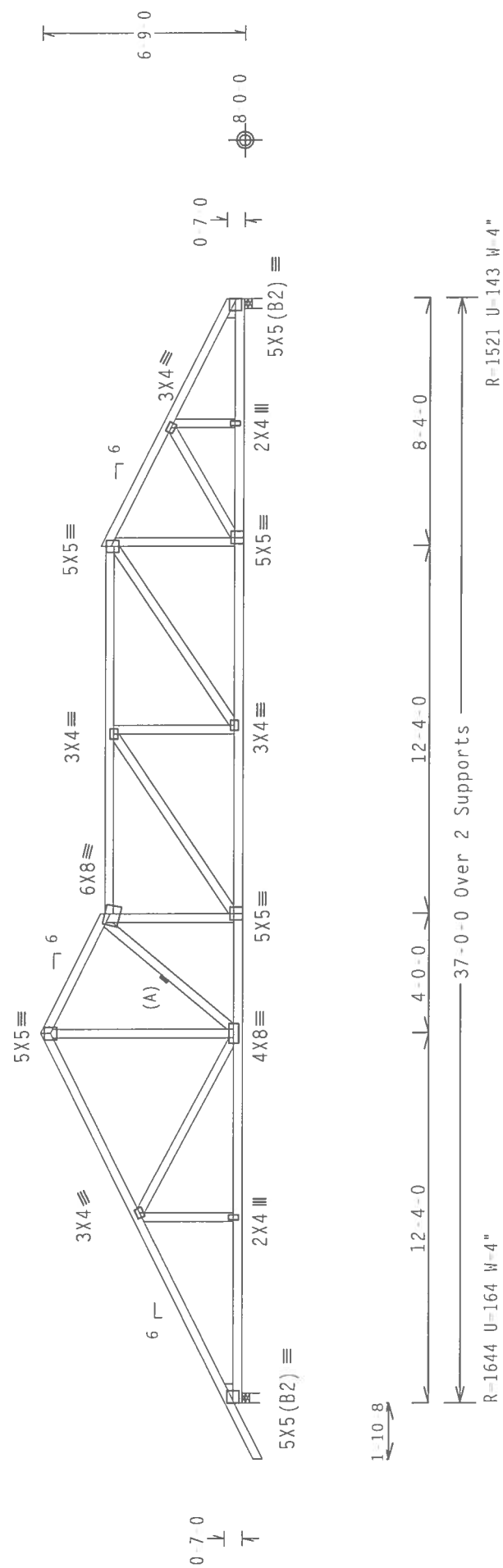
Wind reactions based on MWFS pressures.

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.

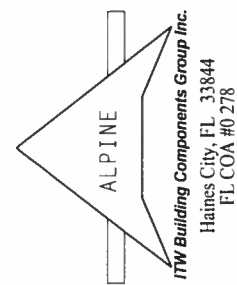
The overall height of this truss excluding overhang is 69.0.

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

FL/-/5/-/-R/-		Scale = .1875"/Ft.	
TC LL	20.0 PSF	REF	R215-- 36906
TC DL	10.0 PSF	DATE	11/12/08
BC DL	10.0 PSF	DRW	HCUSR215 08317021
BC LL	0.0 PSF	HC-ENG	AK/WHK *
TOT.LD.	40.0 PSF	SEQN-	149652
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1TMK215_Z01



*****WARNING**** TRUSS'S REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BEST SELLING COMPONENT SAFETY INFORMATION, PUBLISHED BY IPI (TRUSS PLAIN INSTALL, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) PRIOR TO PERFORMING THESE FUNCTIONS. UNITS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CING.

[illegible]

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Wedge 2x4 SP #2 N:

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

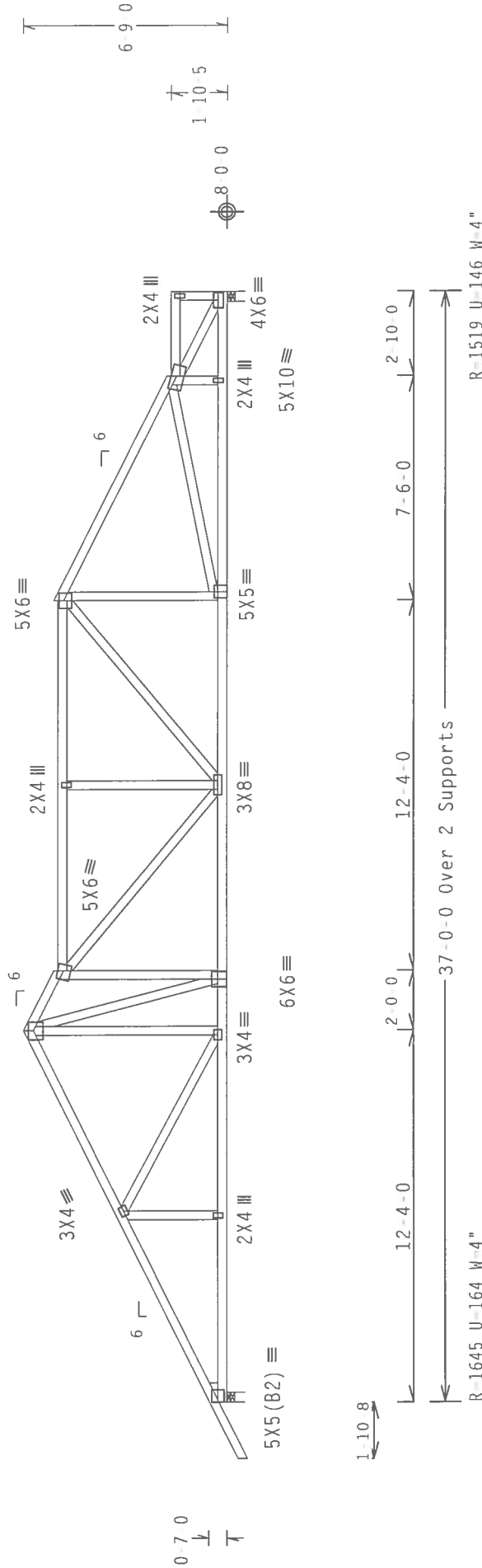
The overall height of this truss excluding overhang is 6-9 0.

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. $I_w=1.00$ GCpl(i/λ)=0.18

Wind reactions based on MWFRS pressures.

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

7X6(R) III



Design Crit: TPI-2002(STD)/FBC

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

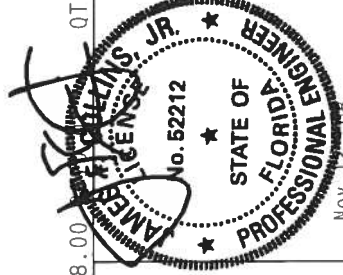
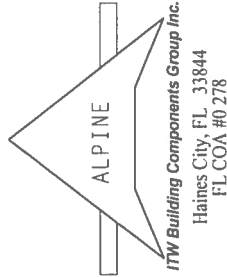
7.38.00

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

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLANT INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 FORT WORTH AVENUE, SUITE 312, FORT WORTH, TX 76116) FOR BEST PRACTICES PRIOR TO PERFORMING THESE ACTIONS. UNLESS OTHERWISE INDICATED, ALL TRUSS CHORDS 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. THE BCG CONTRACTOR PLATES ARE MADE OF 20/10/16GA (H/J/SS/PS) ASTM A653 GRADE 40/60 (H, K/J/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ADHER A3 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.



TC LL	20.0 PSF	REF	R215 - 36907
TC DL	10.0 PSF	DATE	11/12/08
BC DL	10.0 PSF	DRW	HCUSR215 08317023
BC LL	0.0 PSF	HC-ENG	AK/VHK
TOT.LD.	40.0 PSF	SEQN	149658
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	1TMK215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Wedge 2x4 SP #2 N:

(A) Continuous lateral bracing equally spaced on member.

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

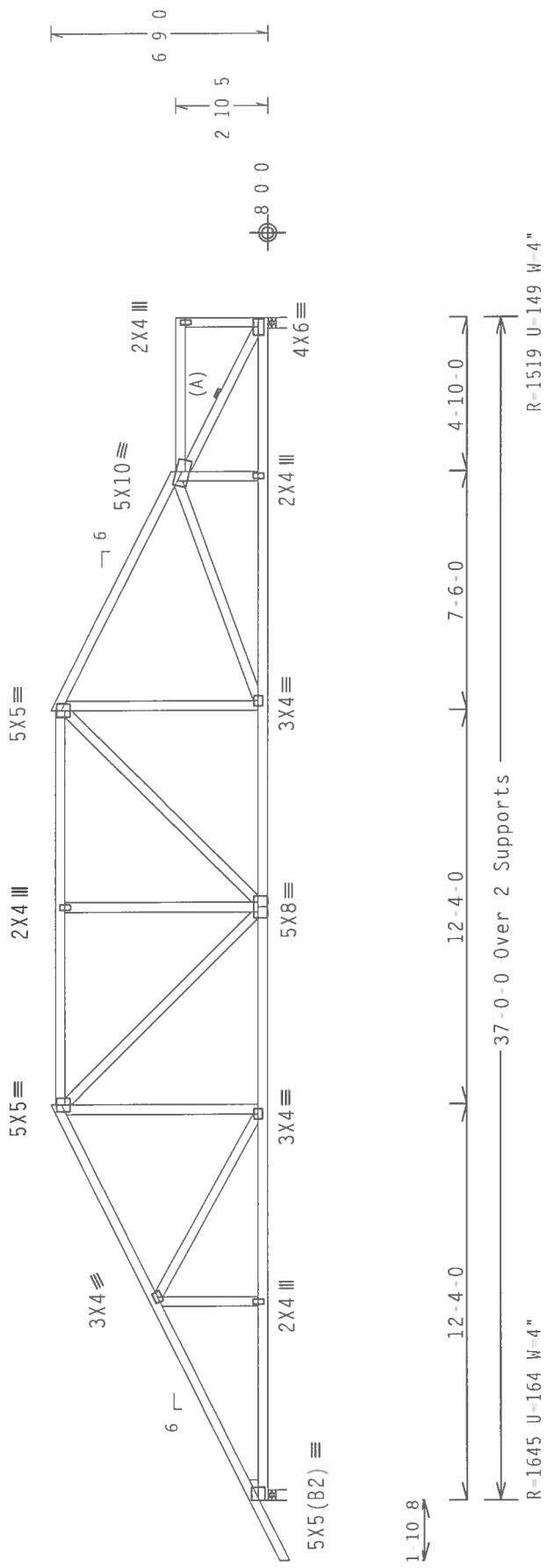
The overall height of this truss excluding overhang is 6 9 0.

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.

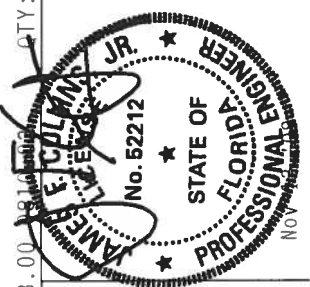
Right end vertical not exposed to wind pressure.

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



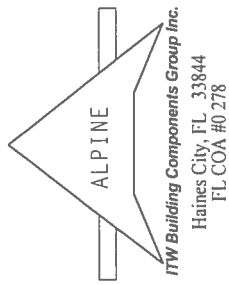
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0)

Scale = .1875"/Ft.	REF R215 - 36908
DATE 11/12/08	DRW HCUSR215 08317025
HC-ENG AK/WHK	SEQN 149590
FROM CDM	JREF 1TMK215_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLAT INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, 500 NORTH MICHIGAN, SUITE 1300, CHICAGO, IL 60610) FOR ADDITIONAL INFORMATION. THE TRUSS MANUFACTURER SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** (UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR - THE BGC, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. THE BGC DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI (THE BGC CONECTOR PLATES ARE MADE OF 20/10/16GA (40/60 (4, P/H-SS) GALV. - STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC A3 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 AISC/TPI 1 SEC. 7.



(5119 /LAGONI /EDGELY CONSTRUCTION -- LAKE CITY, FL - A15)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Wedge 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. $I_w=1.00$ GCpl(+/-) 0.18

Wind reactions based on MWFRS pressures.

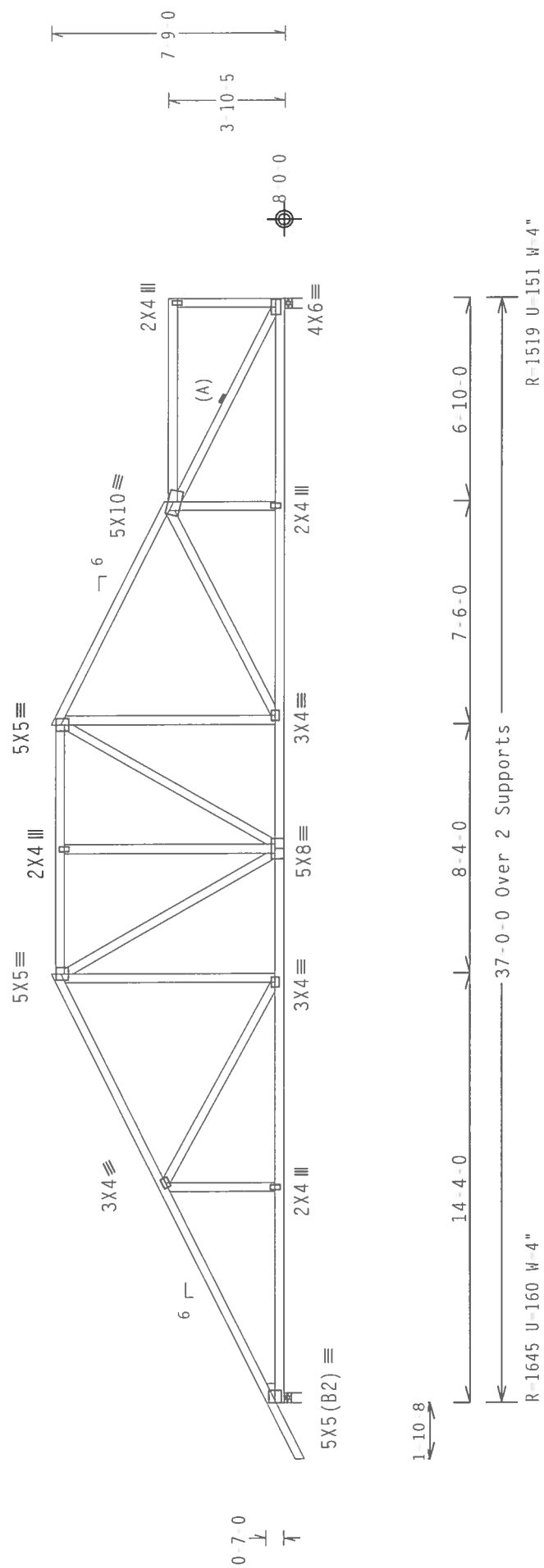
(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 7 9 0.

Right end vertical not exposed to wind pressure.

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



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

Scale = .1875" / Ft.

PLT TYP. Wave

ALPINE

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

QTY: 1

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

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

REF R215 - 36909

DATE 11/12/08

DRW HCUSR215 08317026

HC-ENG AK/WHK

SEQN - 149583

FROM CDM

JREF - ITMK215_Z01

Nov 12 08

STATE OF FLORIDA

PROFESSIONAL ENGINEER

NO. 52212

JAMES E. WILLIAMS, JR.

SEAL

Nov 12 08

STATE OF FLORIDA

PROFESSIONAL ENGINEER

NO. 52212

JAMES E. WILLIAMS, JR.

SEAL

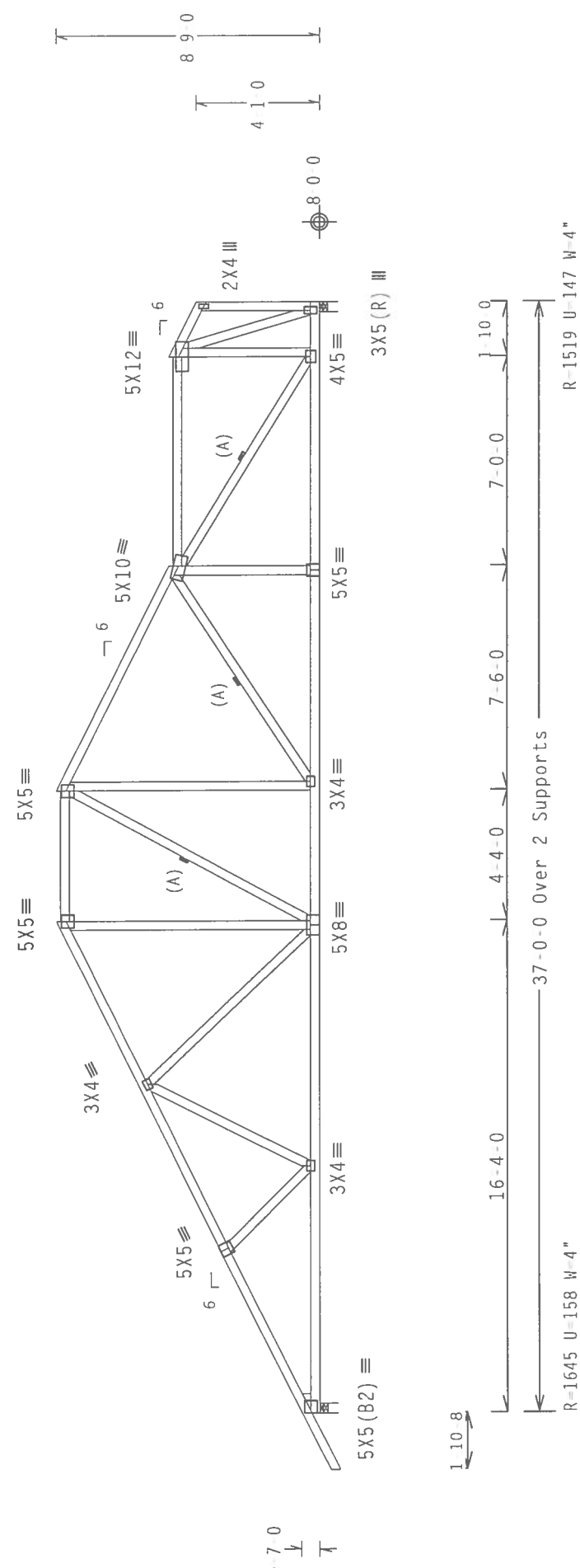
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSEI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 BORDO LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND MCA (WOOD TRUSS MANUFACTURERS ASSOCIATION), 6300 WOODBURN AVENUE, SUITE 100, WOODBURN, NJ, 07095. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, FABRICATION, AND BRACING. THE TRUSS MANUFACTURER SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC., BY AIA/PA) AND TPI. ITW BCG CONNECTIONS ARE MADE OF 20/18/16GA (W/H/SS/P) 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 DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMH X A3 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.

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
: Lt Wedge 2x4 SP #2 N

(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 8'9.0".

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 B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $1w=1.00 G_{CPI}(+/-)=0.18$
Wind reactions based on MWFRS pressures.
Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
 $Cq/RT=1.00(1.25)/0(0)$ 7.38 00.00

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R215 -	36910
TC DL	10.0 PSF	DATE	11/12/08	
BC DL	10.0 PSF	DRW	HCUSR215	08317019
BC LL	0.0 PSF	HC-ENG	AK/WHK	*
TOT.LD.	40.0 PSF	SEQN-	149577	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	ITMK215	Z01

ALPINE

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

JAMES E. HALL JR.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 14, 2008

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Wedge 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. $I_w 1.00 GCp1(+/-)=0.18$
Wind reactions based on MWFRS pressures.

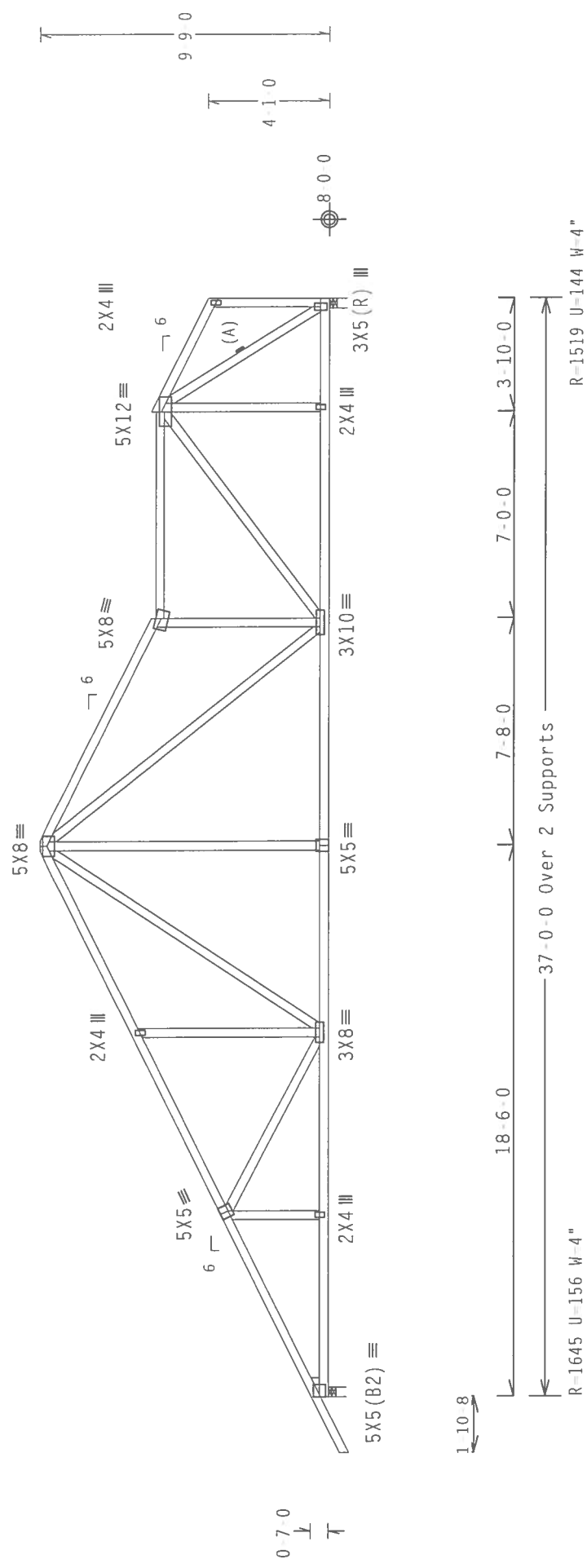
(A) Continuous lateral bracing equally spaced on member.

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

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

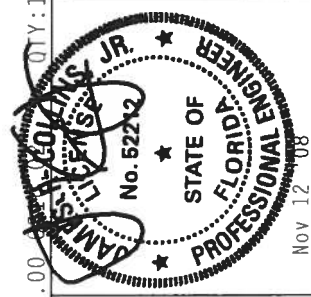
Right end vertical not exposed to wind pressure.

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



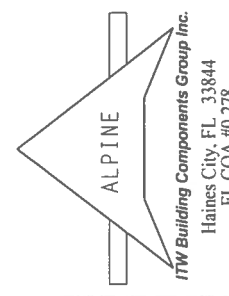
Design Crit: TPI-2002(STD)/FBC
 $Cq/RT=1.00(1.25)/0(0)$

Scale = .1875"/ft.
REF R215 - 36911
DATE 11/12/08
DRW HCUSR215 08317018
HC-ENG AK/WHK
SEQN- 149571
FROM CDM
JREF- ITMK215_Z01



****WARNING**** TRUSSES, BEARING EXTERNAL LOADS IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 219 BROTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MECA (WOOD TRUSS, COUNCIL OF AMERICA, 6300 MILLER LANE, SUITE 100, FARMERSBURGH, NY 11731) FOR PROPER PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARTS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID GILLING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCSI, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI'S OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. THE REG. CONNECTION PLATES ARE MADE OF 20/18/16GA (W/55/PS) ASH 6053 GRADE 40/60 (M. K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS LOOK 2. ANY INSPECTION OF TRUSSES FOLLOWED BY (1) SHALL BE PERFORMED AS A TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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 Iw 1.00 GCpi (+/-) = 0.18

Wind reactions based on NWFRS pressures.

Right end vertical not exposed to wind pressure.

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

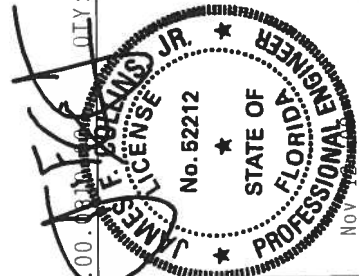
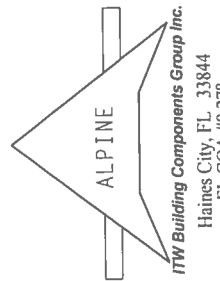
The overall height of this truss excluding overhang is 9'10" 0.



Scale = .1875"/Ft.

8.00 6870 0TY:1

TC LL	20.0 PSF	REF R215- - 36912
TC DL	10.0 PSF	DATE 11/12/08
BC DL	10.0 PSF	DRW HCUUSR215 08317003
BC LL	0.0 PSF	HC-ENG WHK/WHK *
TOT.LD.	40.0 PSF	SEQN- 149561
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1TMK215_Z01

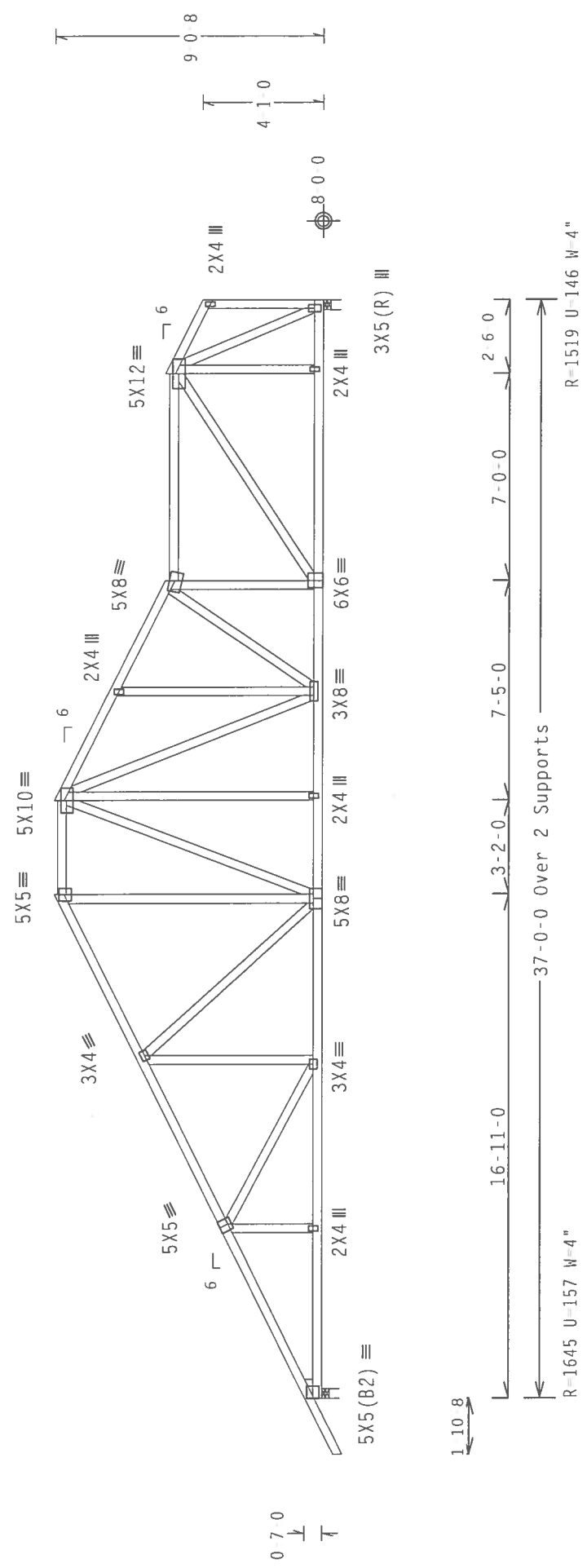
[illegible][illegible]

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(1/)=0.18

Wind reactions based on MWFRS pressures.

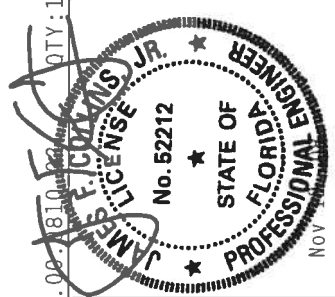
24" OC.

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



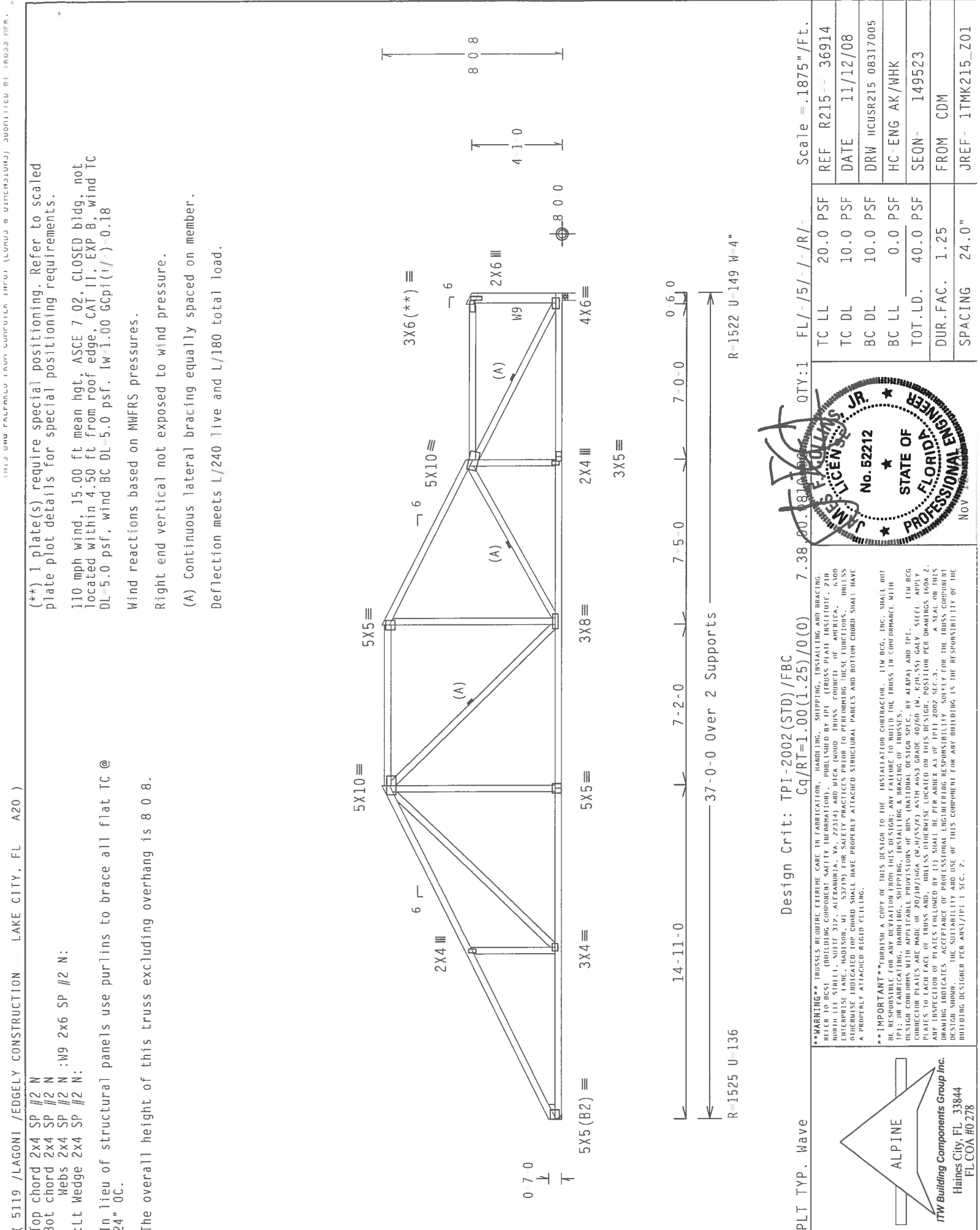
PLT TYP. Wave	Design Crit: TPI -2002 (STD) /FBC Cq/RT=1.00(1.25) /
---------------	---

FL / - / 5 / - / - / R / -	Scale = .1875" / Ft.
TC LL 20.0 PSF	REF R215 - 36913
TC DL 10.0 PSF	DATE 11/12/08
BC DL 10.0 PSF	DRW HCURSR215 08317022
BC LL 0.0 PSF	HC-ENG AK / WHK *
TOT. LD. 40.0 PSF	SEQN - 149497
DUR. FAC. 1.25	FROM CDM
SPACING 24.0"	JREF - 1THK215_Z01



ALPINE

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



(5119 /LAGONI /EDGELEY CONSTRUCTION LAKE CITY, FL - A20)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N :W9 2x6 SP #2 N:
:Lt Wedge 2x4 SP #2 N:

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

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

(**) 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. Iw=1.00 GCpi(i/-)-0.18
Wind reactions based on MWFRS pressures.
Right end vertical not exposed to wind pressure.
(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/240 live and L/180 total load.

Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/0(0) 7.38 00.1810 0000 QTY:1 FL/-/5/-/-R/- Scale = .1875"/Ft.

PLT TYP. Wave

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

PLT TYP. Wave

PLT TYP. Wave

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, $1w=1.00 G_{CPI}(1/)=0.18$

Max JT VERT DEF: LL: 0.17" DL: 0.18" recommended camber 1/4"

Wind reactions based on MMFRS pressures.

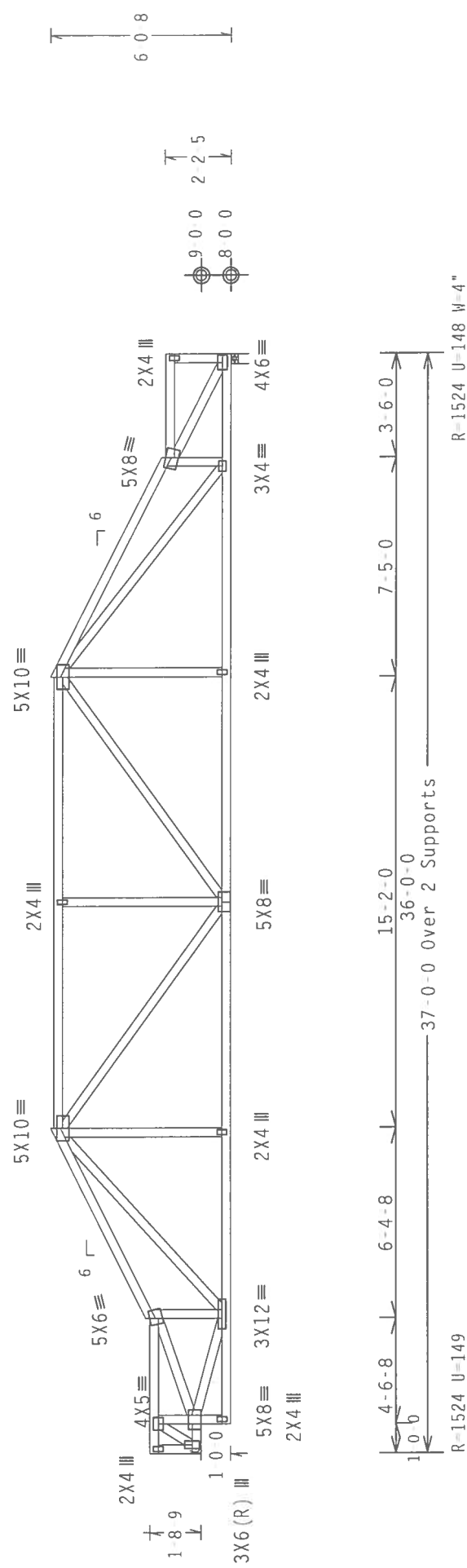
Provide for complete drainage of roof.

Right end vertical not exposed to wind pressure.

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

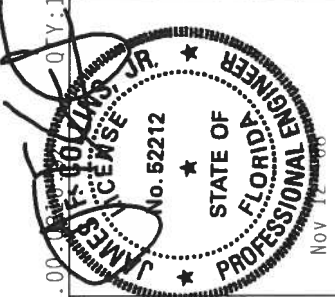
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 5'0" 8."



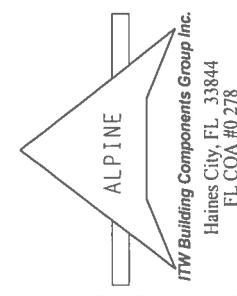
Design Crit: TPI-2002(STD)/FBC
 $Cq/RT=1.00(1.25)/0(0)$

PLT TYP.. Wave	7.38.00	FL / - / 5 - / - / R / -	Scale = .1875" / Ft.
TC LL	20.0 PSF	REF R215 - -	36916
TC DL	10.0 PSF	DATE	11/12/08
BC DL	10.0 PSF	DRW	HCUSR215 08317017
BC LL	0.0 PSF	HC - ENG AK / WHK	
TOT.LD.	40.0 PSF	SEQN -	149510
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF -	1TMK215_Z01



****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, 210 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 PARTS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BGC, INC. SHALL NOT BE RESPONSIBLE FOR ANY ALTERATIONS TO THE TRUSS IN CONFORMANCE WITH THE BUILDING CODES OR ANY OTHER APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY ACPA AND TPI. THE REG. CODES OR PLATES ARE MADE OF 20/18/16GA (20/18/55/PS) ASH 6053 GRADE 40/60 (OR K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 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.



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, lw=1.00 GCpl(i/-)=0.18

Left end vertical not exposed to wind pressure.

Wind reactions based on MMFRS pressures.

Provide for complete drainage of roof.

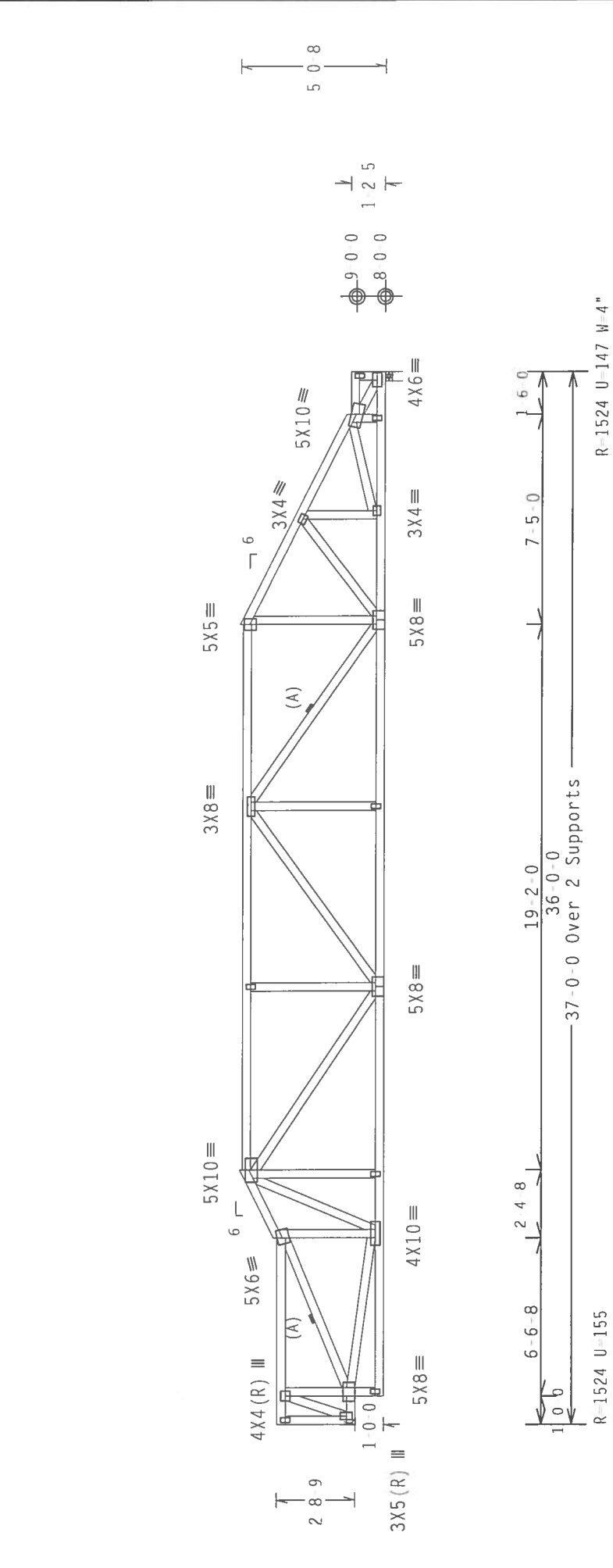
Max JT VERT DEFL: LL: 0.20" DL: 0.21" recommended camber 3/8"

(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 4 0 8.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

7.38.00

QTY:1

FL/-5/-/R/-

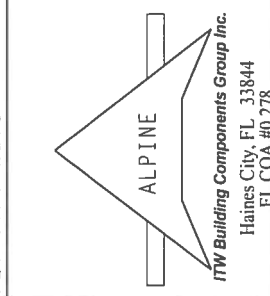
Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R215--	36917
TC DL	10.0 PSF	DATE	11/12/08	
BC DL	10.0 PSF	DRW	HCUSR215	08317015
BC LL	0.0 PSF	HC-ENG	AK/WHK	
TOT.LD.	40.0 PSF	SEQN	149504	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	1TMK215	Z01



WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, SHIPPING, INSTALLING AND BRACING. THE TRUSS COMPANY SHALL 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 INSTALLER. THE TRUSS COMPANY SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN AND THE TRUSS COMPANY SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN AND THE TRUSS COMPANY SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN.

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(5119 /LAGONI /EDGELEY CONSTRUCTION - LAKE CITY, FL A24)

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

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.

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

#1 hip supports 6 11 0 jacks w/2 panel TC and no end vert.

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

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun nails)

Top Chord: 1 Row @12.00" O.C.

Bot Chord: 1 Row @12.00" O.C.

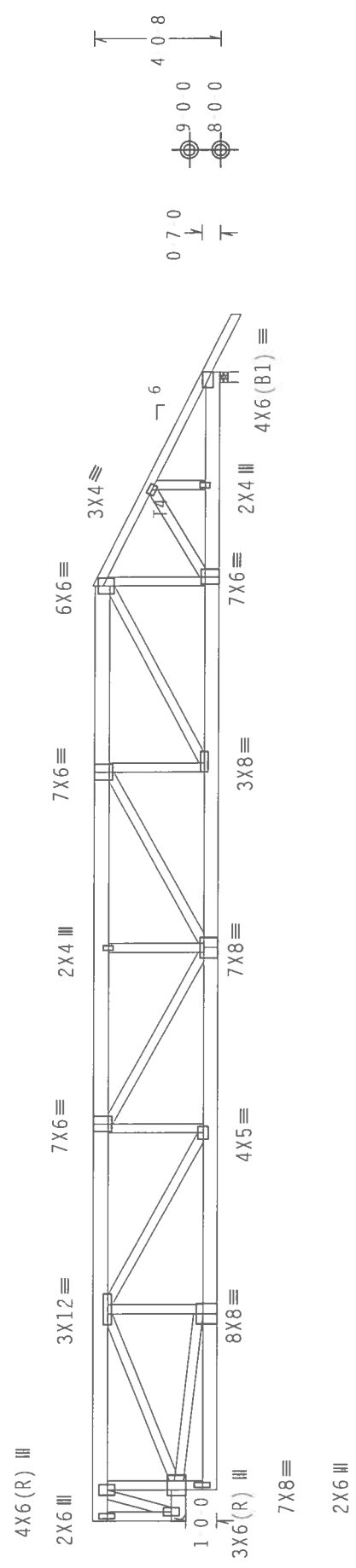
Webs : 1 Row @ 4" O.C.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

Max JT VERT DEFL: LL: 0.25" DL: 0.35" recommended camber 5/8"

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

The overall height of this truss excluding overhang is 3 0 8.



30-1-0 36-0-0
1'-0 0" Over 2 Supports

R=3972 H-Simpson HGU26 2
w/ (8) 10d Common, 0.148"x3.0" nails in Truss
w/ (20) 10d Common, 0.148"x3.0" nails in Girder
Girder is (4)2X6 min. So.Pi Design Crit: TPI-2002(STD)/FBC

R-3648 U-56 W 4"

PLT TYP. Wave

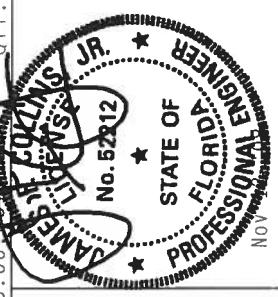
Cq/RT=1.00(1.25)/0(0)

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

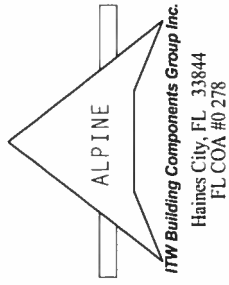
Scale =.1875"/Ft.

****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, 22314) AND WCA (WOOD CREOSOTING ASSOCIATION OF AMERICA, 6300 WOODCREST DRIVE, SUITE 100, FARMERSVILLE, OHIO 43024) FOR CORRECT PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHOULD HAVE PROPERLY ATTACHED STRUCTURAL PLATES AND BOTTOM CHORD SHOULD HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE REG. ENG. 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 1005 (NATIONAL DESIGN SPEC., BY AISC) AND TPI. CORROSION RESISTANCE: ALL TRUSSES SHALL BE MADE OF 2024-T3 ALUMINUM OR 6061-T6 ALUMINUM. GALV. STEEL: APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SEAL FOR THE TRUSS COMPONENT THE DESIGNER. 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--	36918
TC DL	10.0 PSF	DATE	11/12/08	
BC DL	10.0 PSF	DRW	HCUSR215	08317014
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0 PSF	SEQN-	149913	
DUR.FAC.	1.25	FROM	CDM	
SPACING	SEE ABOVE	JREF	1TMK215	Z01



(5119 /LAGONI /EDGELY CONSTRUCTION -- LAKE CITY, FL - A25)

Top chord 2x4 SP #2 N : T2 2x6 SP #2 N :
Bot chord 2x6 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. lw=1.00 GCpi(1/2)=0.18

Wind reactions based on MWFRS pressures.

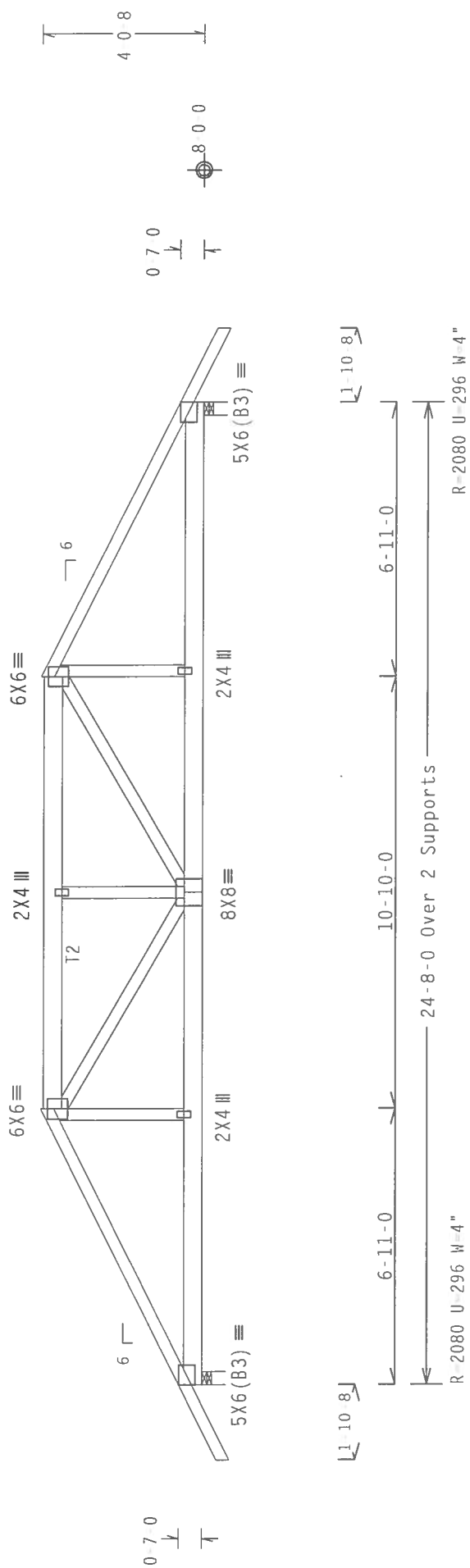
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 4 0 8.

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC From 62 PLF at 1.88 to 62 PLF at 7.00
TC From 62 PLF at 7.00 to 62 PLF at 17.67
TC From 62 PLF at 17.67 to 62 PLF at 26.54
BC From 20 PLF at 0.00 to 20 PLF at 24.67
PLT 194 LB Conc. Load at (7.06,11.93), (9.06,11.93), (11.06,11.93)
(12.33,11.93), (13.60,11.93), (15.60,11.93), (17.60,11.93)
PLB 77 LB Conc. Load at (7.06,8.04), (9.06,8.04), (11.06,8.04)
(12.33,8.04), (13.60,8.04), (15.60,8.04), (17.60,8.04)

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



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

PLT TYP. Wave	QTY:1	FL/-5/-1-/R/-	Scale = .25" / Ft.
	TC LL	20.0 PSF	REF R215 - 36919
	TC DL	10.0 PSF	DATE 11/12/08
	BC DL	10.0 PSF	DRW HCUSR215 08317037
	BC LL	0.0 PSF	HC-ENG WHK/WHK
	TOT.LD.	40.0 PSF	SEQN - 149918
	DUR.FAC.	1.25	FROM CDM
	SPACING	24.0"	JREF - ITMK215_Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. BOTH TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND RECOMMENDED BY THE NATIONAL TRUSS SOCIETY OF AMERICA. 6100 KENTWOOD DRIVE, SUITE 100, FARMERSBURGH, NY 11735. TRUSSES ARE TO BE INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS INDICATED ON EACH TRUSS. 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. THE REG. ENG. 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 AISC (HATIONAL DESIGN SPEC. BY AISC) AND TPI. THE REG. ENGINEER'S PLATES ARE MADE OF 2018/18/18GA (W-18/55/PS) ASH 6053 GRADE 40/60 (W-18/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.

ITW Building Components Group Inc.
Haines City, FL 33844
FLCOA #0.278

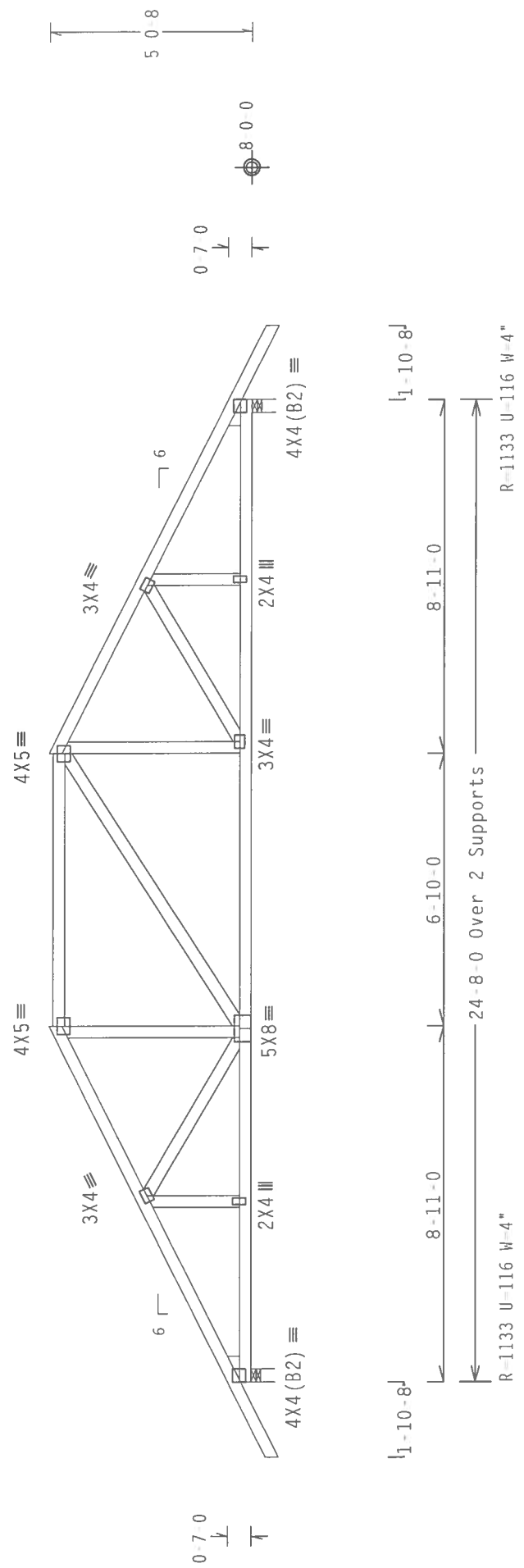
10 mph wind, 15.00 ft mean hgt., ASCE 7 02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL 5.0 psf, wind BC DL 5.0 psf. $I_w 1.00$ Gcpi (+/-) -0.18

bind reactions based on MWFS pressures.

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

in lieu of structural panels use purlins to brace all flat TC @ 4" OC.

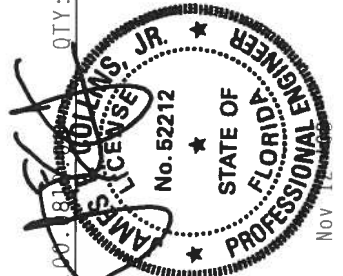
the overall height of this truss excluding overhang is 50.8.



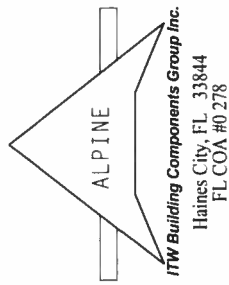
Design Crit: TPI-2002(STD)/FBC
C₀/RT=1.00(1.25)

Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R215 - -	36920
TC DL	10.0	PSF	DATE	11/12/08	
BC DL	10.0	PSF	DRW	HCURS215	08317007
BC LL	0.0	PSF	HC-ENG	AK/JWHK	*
TOT.LD.	40.0	PSF	SEQN -	149686	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF -	1THK215_Z01	

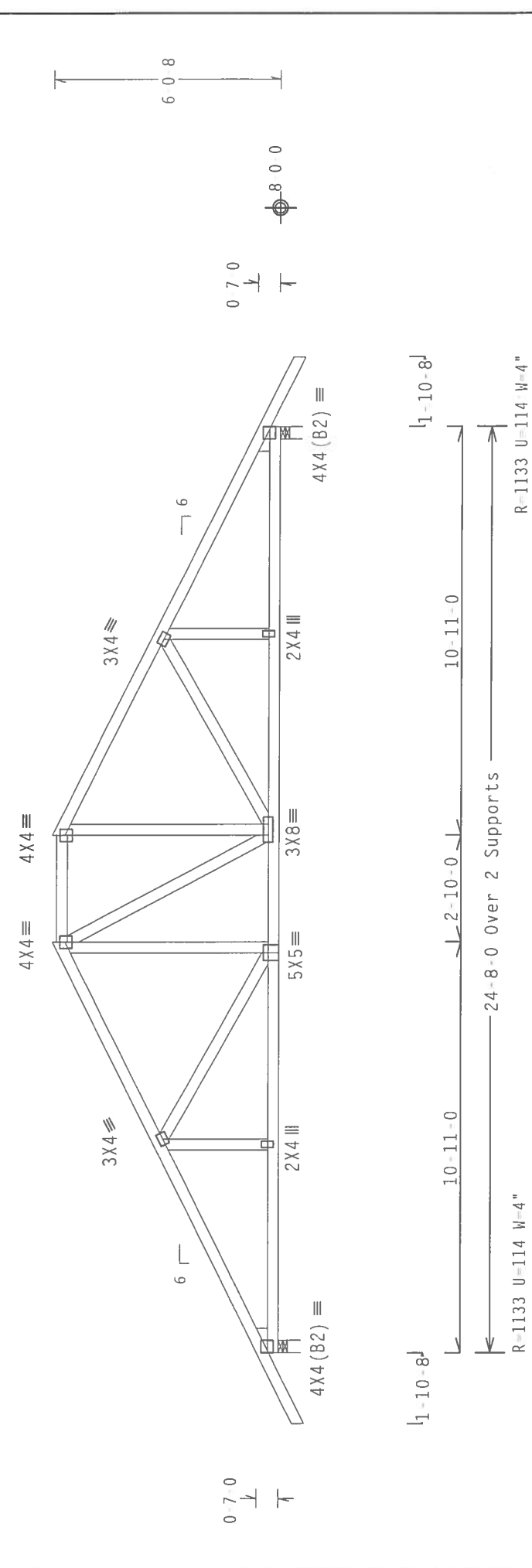


WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, UNLOADING AND BRACING. FAILURE TO REEVE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (CRUSS PLATE INSTITUTE), 210 MIDWINTER LANE, SUITE 312, ALEXANDRIA, VA, 22314 AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 43300 WINTERPARK LANE, MIDLAND, MI 48601) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. BUILDINGS WITH THESE INDICATED TOP CHORD SIALS HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SIAL HAVE PROPERLY ATTACHED RIGID

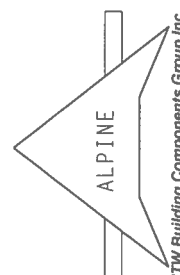
[illegible]

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
: Lt Wedge 2x4 SP #2 N:: Rt Wedge 2x4 SP #2 N:
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 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$
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 6 0 8.



PLT TYP. Wave



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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.00 108

Scale = .25" / Ft.

TC LL	20.0 PSF	REF	R215	36921
TC DL	10.0 PSF	DATE	11/12/08	
BC DL	10.0 PSF	DRW	HCUSR215	08317012
BC LL	0.0 PSF	HC-ENG	AK / WHK	*
TOT.LD.	40.0 PSF	SEQN	149692	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	ITMK215_Z01	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 W. 10TH AVE., SUITE 100, ALBUQUERQUE, NM 87102. ALL TRUSSES ARE DESIGNED TO BE USED IN CONFORMANCE WITH THE ENTERPRISE TABLE, PART 5.2.1.1 (1.25) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. TRUSSES 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. THE 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 ROS (NATIONAL DESIGN SPEC., BY AIA/PA) AND TPI. THE BCG CONNECTION PLATES ARE MADE OF 20/10/16GA (W/H/SS) ASH 6053 GRADE 40/60 (DL, R/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T00A 2. ANY DISCREPANCY OF PLATES FOLLOWED BY (1) SHALL BE PER AIA & AS OF 1/11/2002 SEC.3. A SEAL ON THIS BRACING INDICATES THE TRUSS IS THE PROPERTY OF THE TRUSS COMPANY. THE SEAL IS THE PROPERTY OF THE TRUSS COMPANY. THIS COMPANY IS NOT RESPONSIBLE FOR THE TRUSS COMPANY'S BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

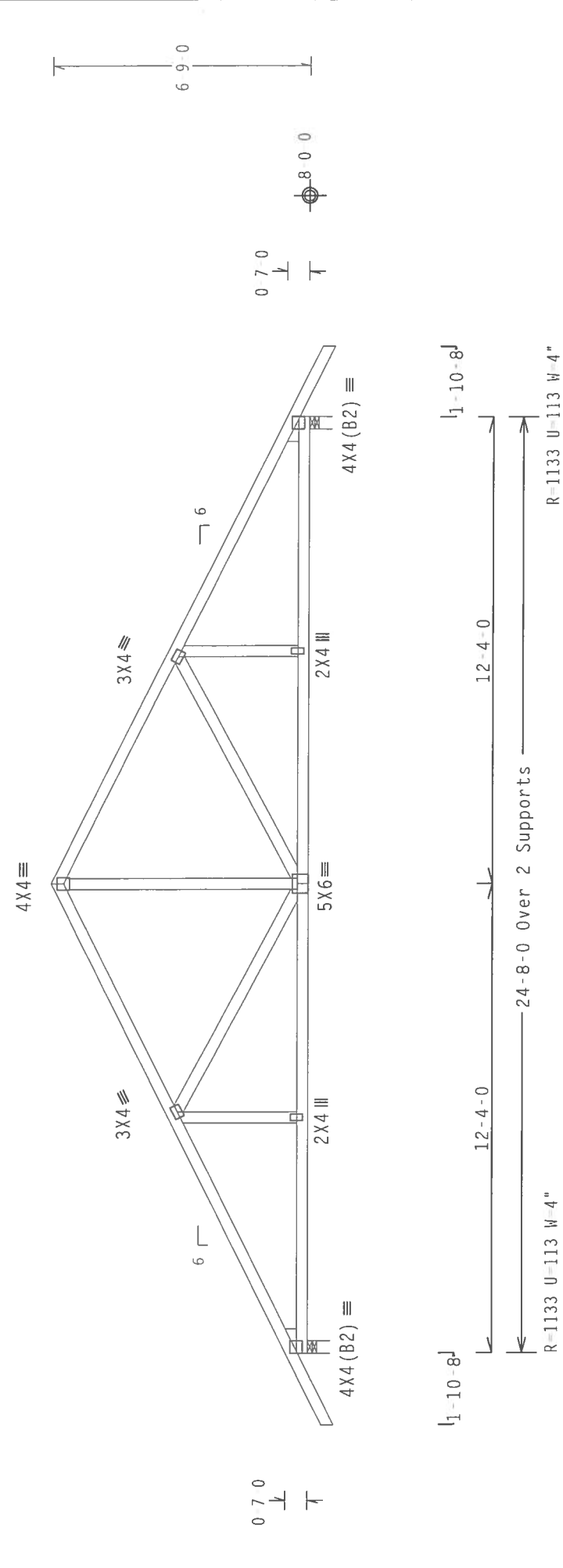
NOV 12 2008
DAMIAN J. COLEMAN JR.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Wedge 2x4 SP #2 N::Rt Wedge 2x4 SP #2 N:
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 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 (1/) 0.18

Wind reactions based on MMFRS pressures.

The overall height of this truss excluding overhang is 6 9 0.



PLT TYP. Wave

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

7.38.00

Nov 12 2008

Scale = .25" / Ft.

REF	R215	-	36922
DATE	11/12/08		
DRW	HCUSR215	08317039	
HC	ENG AK/WHK	*	
SEQN	149665		
FROM	CDM		
JREF	1TMK215	Z01	

ALPINE

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

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), 218 ALPINE DRIVE, SUITE 312, ALPINE, TEXAS 79801. TRUSSES ARE DESIGNED FOR USE IN THE UNITED STATES OF AMERICA. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

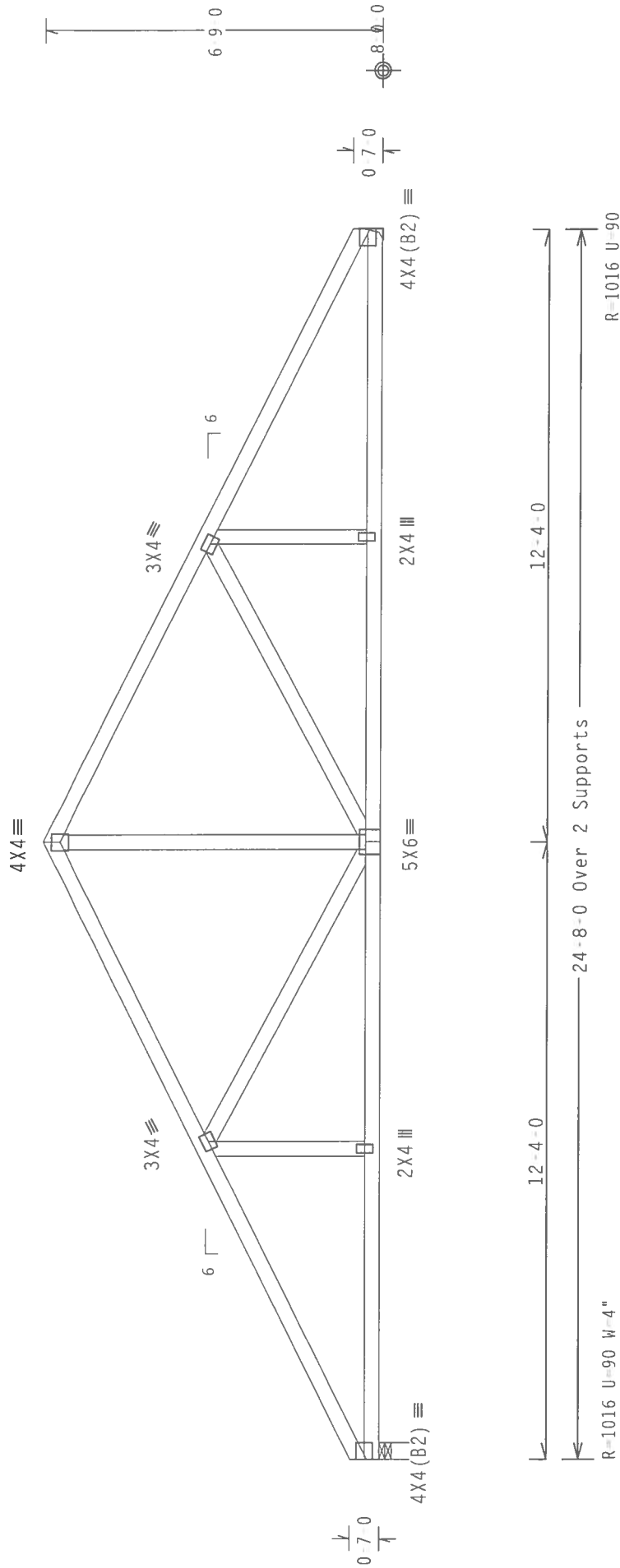
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HDS (NATIONAL DESIGN SPEC. BY AIA/P&A) AND TPI. ITW BEG CONNECTOR PLATES ARE MADE OF 20/19/10GGA (40/60 (H, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A & 100B. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 13.5. A SEAL ON THIS BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT MANUFACTURED BY ITW BUILDING COMPONENTS GROUP INC. AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 13.5.

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 Iw 1.00 GCpi(v) = 0.18

Wind reactions based on MIFRS pressures.

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

The overall height of this truss excluding overhang is 690.



Design Crit: TPI-2002(STD)/FBC

 $C_d/RT=1.00(1.25)/0(0)$

Scale = .3125"/Ft.

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

1

00.78149781.00

$$0(0)/0(0) \quad 7$$
$$q/RT=1.00(1.$$

100

ve

PLT TYP.

WARNING THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE BUILDING COMPONENT SAFETY PROGRAM FOR THE FOLLOWING INFORMATION: www.fema.gov, NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, AND VICA (WOOD TRUSS, COUNCIL OF AMERICAS), 6300 CHURCH LANE, HADISWILL, MI 48219. FOR SAFETY PRACTICES RELATIVE TO PERFORMING THE STRUCTURAL WORKS, 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. THE DGC, INC. SHALL BE RESPONSIBLE FOR PROVIDING ANY DETAILING FOR THIS DESIGN. ANY FAILURE OF THE TRUSS IN COMPLIANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, WITH THE TRUSS CONTRACTOR'S HANDING APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ACPA) AND IPT (INSTITUTE OF POST TENSIONING) ASHRAE 90.1 (2005) ASHRAE 62.2 (2004) SHALL BE THE RESPONSIBILITY OF THE TRUSS CONTRACTOR. THE TRUSSES ARE MADE OF 2010/1010 UNITS AS NOTED ON THIS DESIGN. POSITION FOR DRAWINGS 160A.7. PLATES IN EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION FOR DRAWINGS 160A.7. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMES AS OF APRIL 2009 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THE DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMES/111 SEC. 2.

ALPINE

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

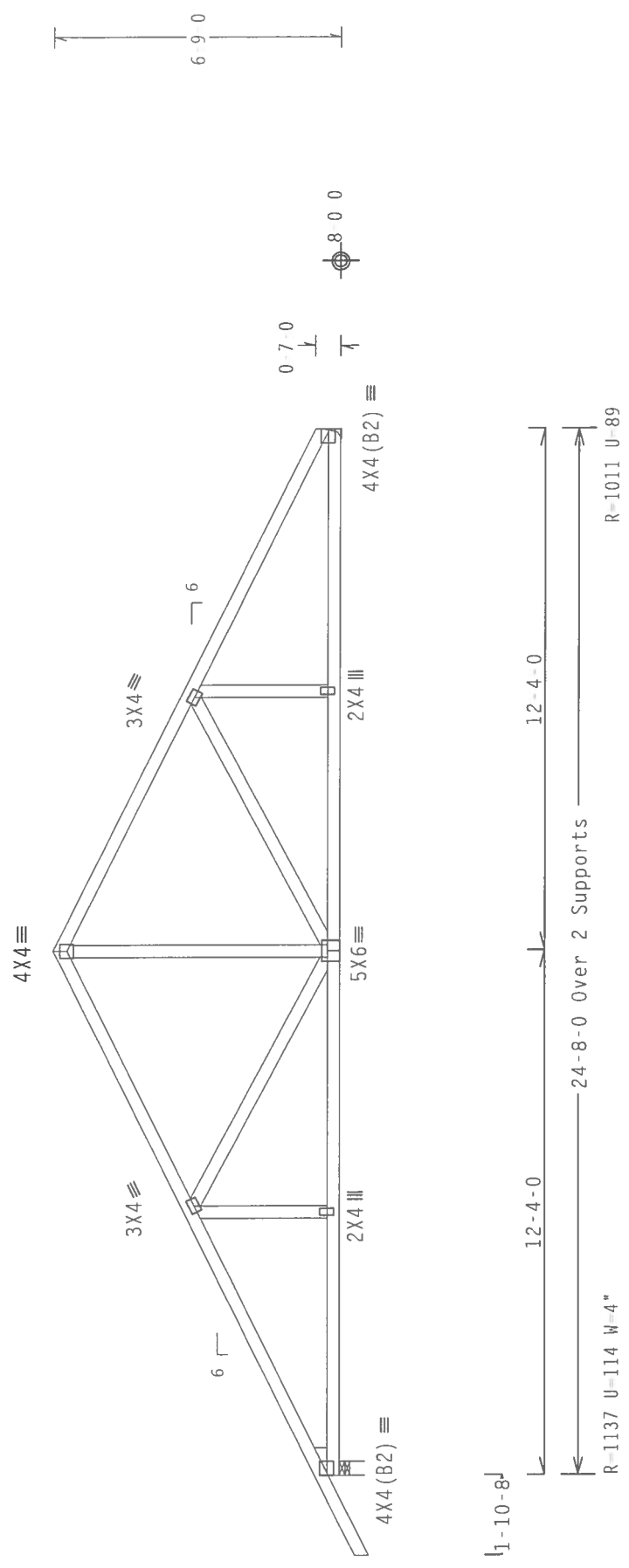
FL COA #0 278

FL COA #0 278

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Wedge 2x4 SP #2 N:

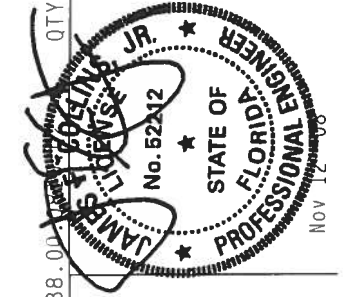
110 mph wind, 15.00 ft mean hgt. ASCE 7 02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind lc DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(i) = 0.18$
Wind reactions based on MWFRS pressures.
The overall height of this truss excluding overhang is 6 9 0.

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



Design Crit: TPI-2002(STD)/FBC
 $C_q/R_T=1.00(1.25)/0(0)$

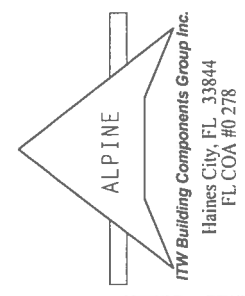
PLT TYP. Wave	QTY: 1	FL / - / 5 / - / R / -	Scale = .25" / Ft.
TC LL	20.0 PSF	REF	R215 - 36924
TC DL	10.0 PSF	DATE	11/12/08
BC DL	10.0 PSF	DRW	HCUSR215 08317005
BC LL	0.0 PSF	HC - ENG	WHK / WHK
TOT. LD.	40.0 PSF	SEQN -	149631
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF -	1TMK215_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSEI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE TRL., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TRUSS CHORDS MUST HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

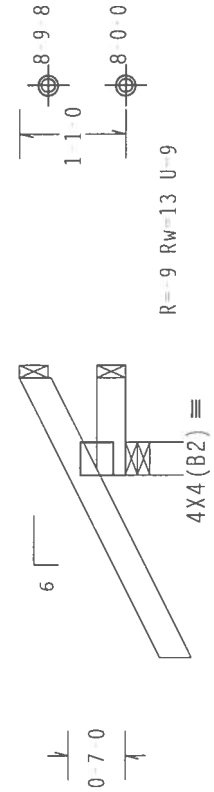
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FACTOR TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITW BEG CORRELATOR PLATES ARE MADE OF 2018/16GA (40/55/83) ASH 6053 GRADE 40/60 (40, 42/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBIA 3.3 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.

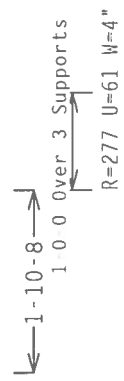


Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 11-0.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL 5.0 psf, wind BC
DL 5.0 psf, LW 1.00 GCPI (+/-) -0.18
Wind reactions based on MWFRS pressures.

R= 69 Rw=31 U=54



R= 9 Rw=13 U=9



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

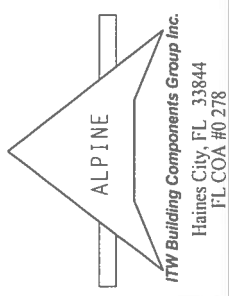
PLT TYP. Wave	QTY: 4	FL / - / 5 / - / - / R / -	Scale = .5" / Ft.
REF R215 - - 36925	TC LL	20.0 PSF	
DATE 11/12/08	TC DL	10.0 PSF	
DRW HCUSR215 08317041	BC DL	10.0 PSF	
HC-ENG AK/WHK	BC LL	0.0 PSF	
SEQN - 149338	TOT.LD.	40.0 PSF	
FROM CDM	DUR.FAC.	1.25	
JREF - 1TMK215_Z01	SPACING	24.0"	



****WARNING**** TRUSS'S REQUIRE EXTERIOR GABLE END FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLANT INSTITUTE, 210 NORTH TEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND HICK (WOOD TRUSS MANUFACTURING COMPANY, INC., 6300 HICKORY STREET, SUITE 100, HICKORY, NC, 27543) FOR ADDITIONAL INFORMATION. UNLESS OTHERWISE INDICATED TOP CHORD PANELS 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. THE BCSI, THE SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.

DESIGN CORRECTIONS WITH APPLICABLE PROVISIONS OF HDS (NATIONAL DESIGN SPEC. BY AEPVA) AND TPI. 1TH REG CORRECTOR PLATES ARE MADE OF 20/18/16GA (4.0/55/5) ASH 6053 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 DRAWINGS 100A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLICIT FOR THE TRUSS COMPONENT DESIGN SHOWN. THE STABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX 1 SEC. 2.



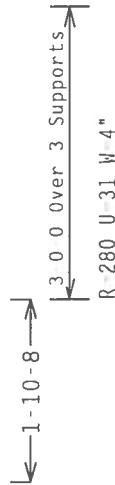
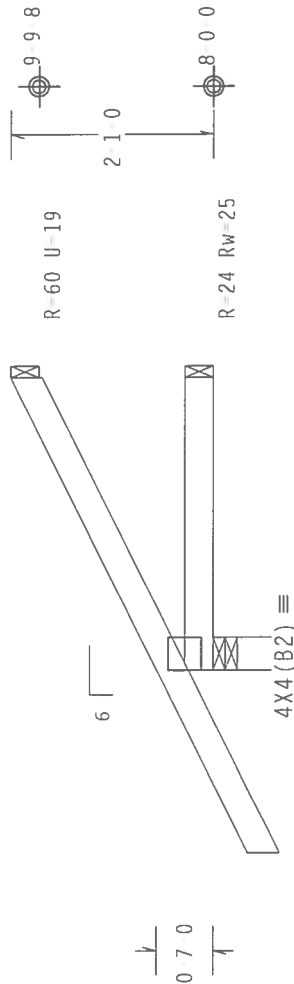
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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

The overall height of this truss excluding overhang is 21'0".

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(1/1) 0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC

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

7.38

QTY: 4

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

Scale = .5" / Ft.

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (ROSS PLATE INSTITUTE, 218 HUNTER STREET, ALABAMA, 35894) FOR TRUSS SAFETY INFORMATION. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES OTHER THAN THAT FOR WHICH THEY WERE DESIGNED. THE USER SHALL BE RESPONSIBLE FOR THE PROPER USE OF THE TRUSSES. THE USER SHALL BE RESPONSIBLE FOR THE PROPER USE OF THE TRUSSES. THE USER SHALL BE RESPONSIBLE FOR THE PROPER USE OF THE TRUSSES.

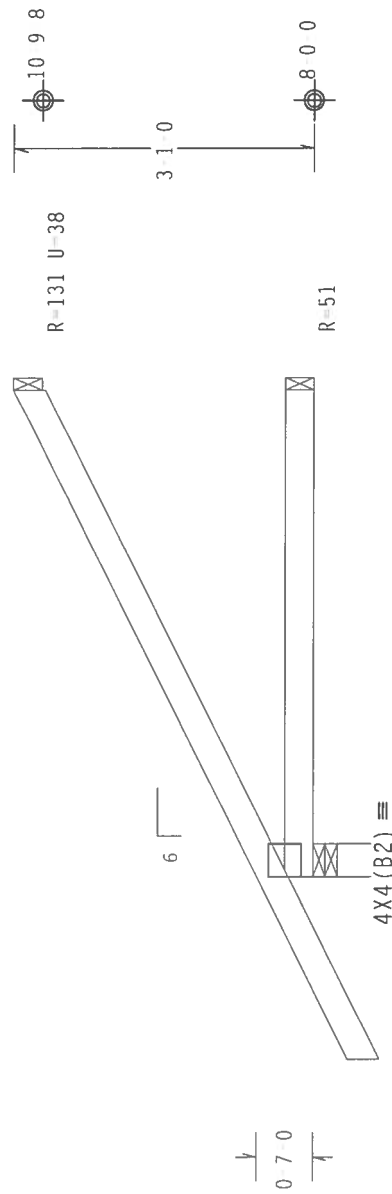
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CHANGES WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC, BY AREA) AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 2018/18/18GA (0.0155) ASH 6053 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 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.

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

JAMES J. GILLING, JR.
PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 52212
NOV 2011

TC LL	20.0 PSF	REF	R215 -	36926
TC DL	10.0 PSF	DATE	11/12/08	
BC DL	10.0 PSF	DRW	HCUSR215	08317042
BC LL	0.0 PSF	HC-ENG	AK/WHK	
TOT.LD.	40.0 PSF	SEQN -	149344	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	ITMK215	Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 31'0".
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. Iw 1.00 GCp(+/-) 0.18
Wind reactions based on MWFRS pressures.



1-10-8
5-0-0 Over 3 Supports
R=347 U-29 W-4"

PLT TYP. Wave

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

Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/0(0) 7.38.00

QTY:2

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R215	36927
TC DL	10.0 PSF	DATE	11/12/08	
BC DL	10.0 PSF	DRW	HCUSR215	08317011
BC LL	0.0 PSF	HC-ENG	AK/WHK	
TOT.LD.	40.0 PSF	SEQN	149402	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	1TMK215	Z01

Nov 12 08

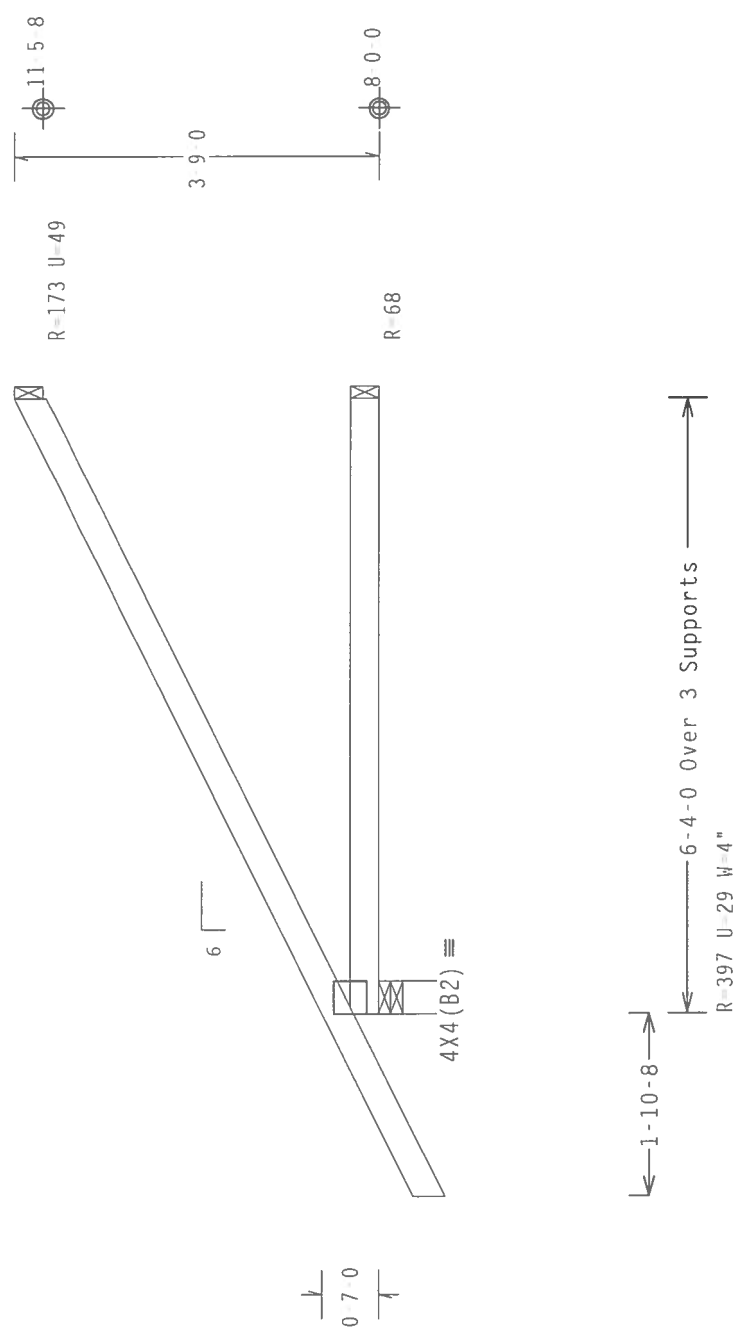
SAMUEL J. COLLINS, JR.
LICENSED PROFESSIONAL ENGINEER
No. 52912
STATE OF FLORIDA

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 1w1.00 GCpl(+/-)=0.18

Wind reactions based on MWFRS pressures.

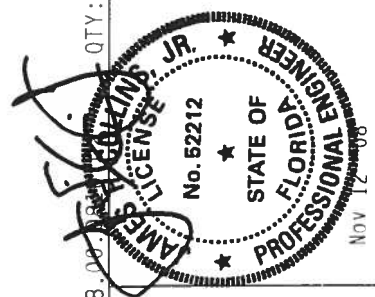
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 3.90.

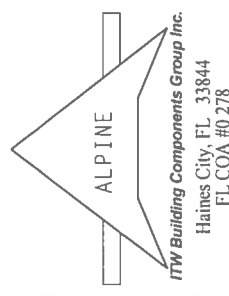
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/

Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R215 - -	36928
TC DL	10.0	PSF	DATE	11/12/08	
BC DL	10.0	PSF	DRW	HCUSTR215	08317006
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN -	149608	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF -	1THK215	Z01



****WARNING**** TROSSI'S REQUIRES EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO DCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPT (TROSSI PLAST LUSTEIT), 218 BOKER LIL STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND AIA (2000) 18055, COUNCIL OF AMERICA, 630 CHIFFINSE LANE, HADSPING, MI 48439 FOR SAFETY PRACTICES PRIOR TO PERFORMING THE SECTIONS. UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CLELL.

[illegible]

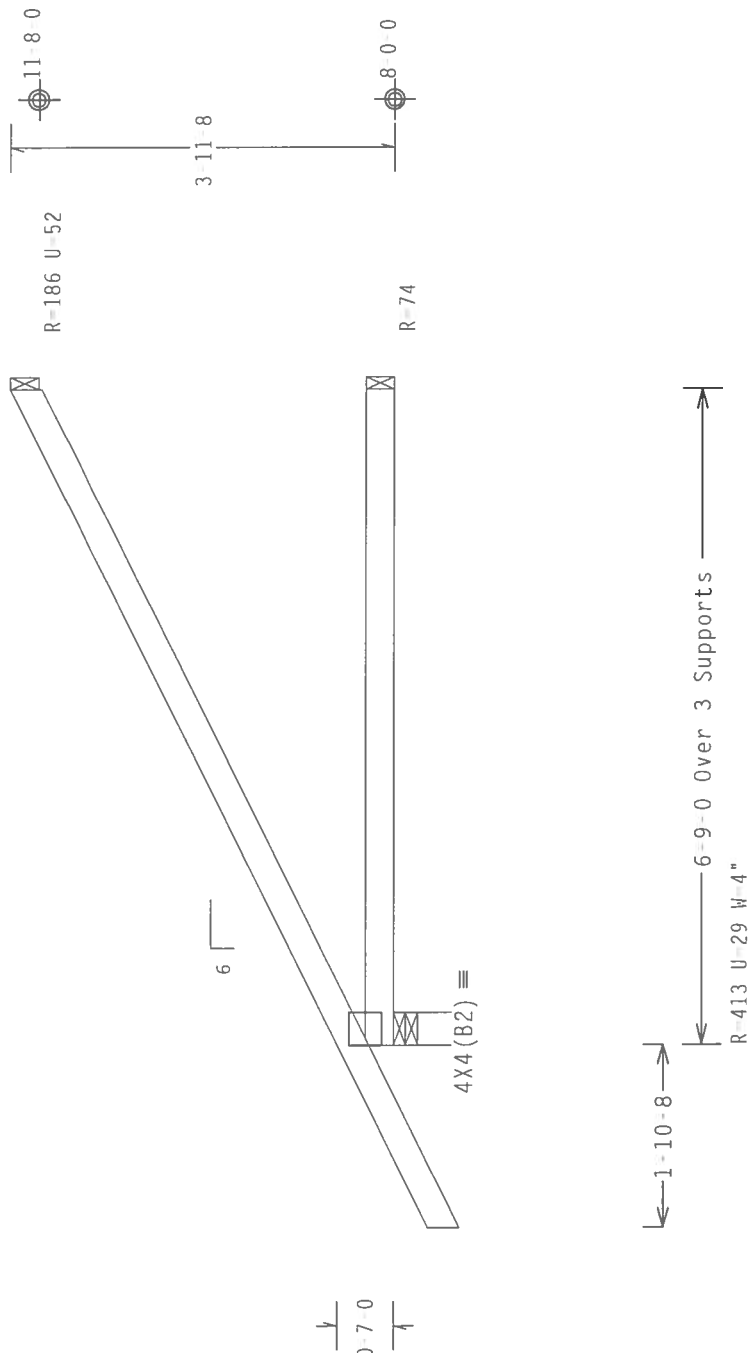
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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, 1w=1.00 GCpf(i/-) 0.18

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

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 3 11 8.



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

QTY: 9 FL / - 5 / - / R / -
Scale = .5" / Ft.

****WARNING**** TRUSSES REQUIRE EXTERNAL CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPT (TRUSS PLATE INSTITUTION), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND UFGA (WOOD TRUSS DESIGN GUIDE), 6300 UNIVERSITY AVENUE, SUITE 100, FORT WORTH, TEXAS 76116. UNLESS OTHERWISE INDICATED TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORDS SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND IPT. 1TH BEG CONNECTOR PLATES ARE MADE OF 20/18/16GA (40/55/65) ASH 6053 GRADE 40/60 (40/55) GALV. STILL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OR IPTI 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 AMT/IPTI 1 SEC. 2.

TC LL	20.0 PSF	REF	R215 - -	36929
TC DL	10.0 PSF	DATE	11/12/08	
BC DL	10.0 PSF	DRW	HCUSR215	08317028
BC LL	0.0 PSF	HC-ENG	AK/WHK	
TOT.LD.	40.0 PSF	SEQN-	149536	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1TMK215	Z01

PLT TYP. Wave

ALPINE

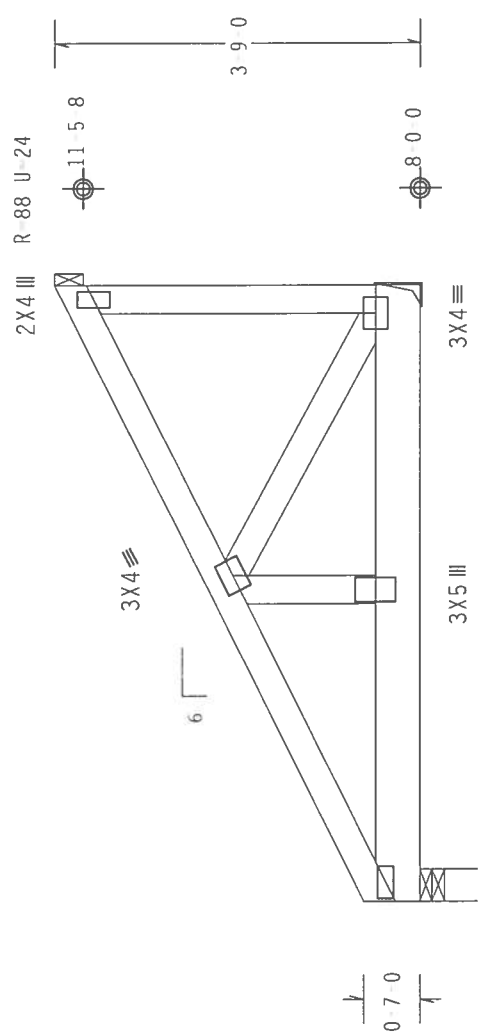
ITW Building Components Group Inc.
Haines City, FL 33844
FLCOA #0278

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun nails)
Top Chord: 1 Row @2.00" o.c.
Bot Chord: 1 Row @ 3.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger in each row to avoid splitting.

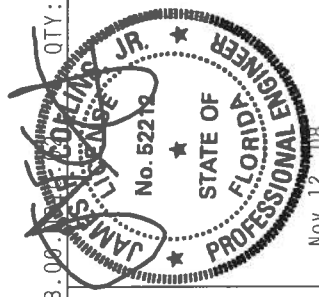
110 mph wind, 15.00 ft mean hgt, ASCE 7 02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(v)/ $=0.18$

Right end vertical not exposed to wind pressure.


$$2 \times 4(A1) \equiv$$
Design Crit: $\text{TPI-2002(STD)}/\text{FBC}$
 $\text{Cq}/\text{RT}=1.00(1.25)/$

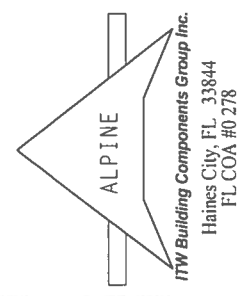
Scale = .5" / Ft.

TC LL	20.0	PSF	REF	R215 -	36930
TC DL	10.0	PSF	DATE	11/12/08	
BC DL	10.0	PSF	DRW	HCUSR215	08317007
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN	-	149639
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF	-	1TMK215 Z01



Nov 12 08

****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO DECSI (BUILDING CONSTRUCTION SAFETY INFORMATION), PUBLISHED BY TPSS (TRUSS PLATE INSTITUTE) 218 MURDO LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 HIGHWAY 104E, HADISOW, MI 48431) FOR SAFETY PRECAUTIONS PRIOR TO PERFORMING THE SE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

[illegible]

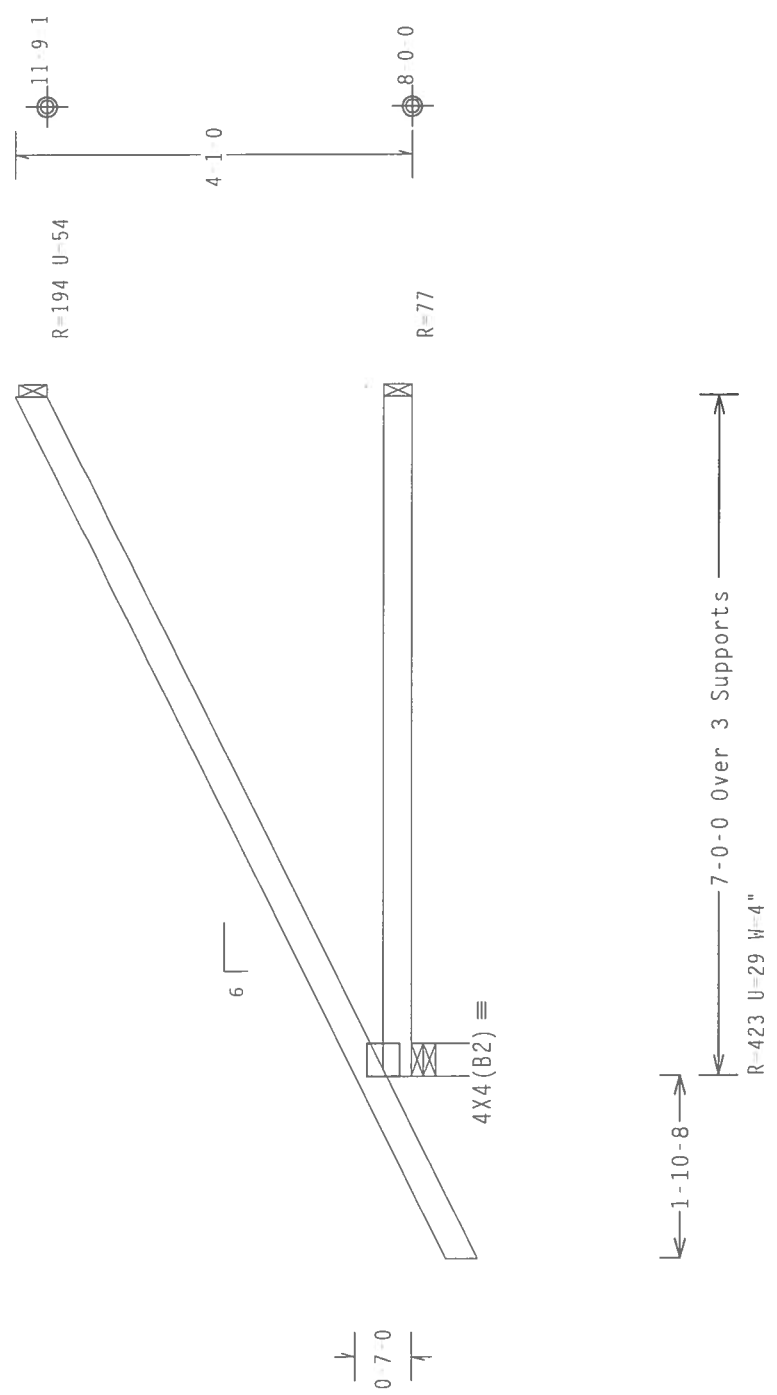
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

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. $I_w=1.00$ $G C p_i(+/-) = 0.18$

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

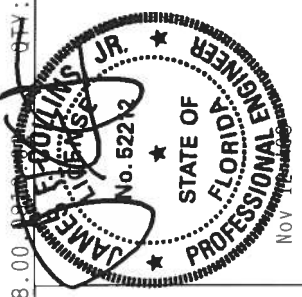
Wind reactions based on MMFRS pressures.

The overall height of this truss excluding overhang is 41.0.



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

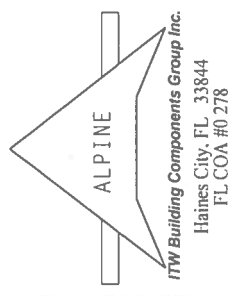
PLT TYP. Wave	Scale = .5" / Ft.
REF R215 - 36932	TC LL 20.0 PSF
DATE 11/12/08	TC DL 10.0 PSF
DRW HCUSR215 08317027	BC DL 10.0 PSF
HC - ENG AK /WHK	BC LL 0.0 PSF
SEQN - 149416	TOT.LD. 40.0 PSF
FROM CDM	DUR.FAC. 1.25
JREF - ITMK215_Z01	SPACING 24.0"



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH 111 STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, HADSPER, MI 48429-5379) 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 CELLING.

****IMPORTANT**** UNLESS A COPY OF THIS DESIGN IS THE INSTALLATION CONTRACTOR, THE SMALL 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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. THE BEG CONNECTOR PLATES ARE MADE OF 2018H/16GA (0.0155/16) ASTM A653 GRADE 40/60 (40 KSI/55 KSI) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLVE FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 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 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

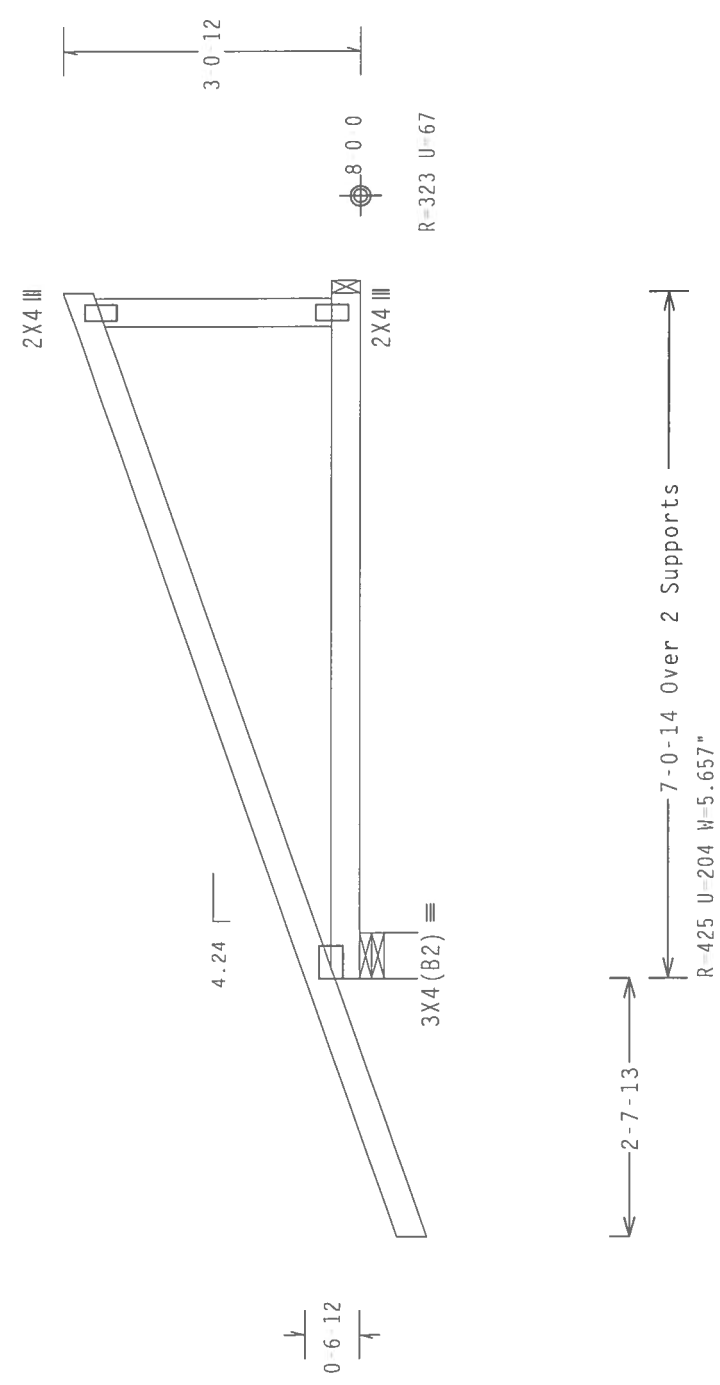
Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 3 0-12.

SPECIAL LOADS

	(LUMBER DUR. FAC. - 1.25 / PLATE DUR. FAC. - 1.25)		
	From	61 PLF at 2.65 to	61 PLF at 7.07
	From	20 PLF at 0.00 to	20 PLF at 7.07
TC	137	LB Conc. Load at 1.48	
TC	121	LB Conc. Load at 4.31	
TC	18	LB Conc. Load at 1.48	
BC	47	LB Conc. Load at 4.31	

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

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

Scale = .5"/Ft.

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

QTY:2

00.097

7.38.0

$$5)/0(0)$$
 $1.00(1.2$ $Cq/RT =$

Results

Design

1

1

e

Түр. Wav

PLT -

****WARNING**** HOUSES BUILT BY EXTREME CARE, THE CARPORTION, HANDLING, SHIPPING, UNLOADING AND BRACING RITER TO BECS (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE CROSS PLANT INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6100 ENTERPRISE LANE, MOBILE, AL 36615) FOR SAFETY PRACTICES PRIOR TO PERFORMING THE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****TURISH 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 EPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF AISC (AIA)308 DESIGN SPEC., BY AISC AND EPI. THIS BCG CONSTRUCTION COMPANY HAS MADE A REVIEW OF THIS DESIGN. WITH AISC'S GRADE 60 (E-70) GALV STEEL, APPLY COMPILER PLATES ARE MADE PER 2010/1984 (AIA308). ALL DIMENSIONS SHALL BE AS SHOWN ON PLS. 1 THROUGH 4. IF ANY INSPECTION OF PLATES FOLLOWED BY (1), SHALL BE PER AMERICAN ASSOCIATION OF STEEL CONSTRUCTORS FOR APRIL 2002 SEC. 3.1.1. AS SUCH, FOR 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 AMERICAN ASSOCIATION OF STEEL CONSTRUCTORS FOR APRIL 2002 SEC. 3.1.1.



ALPINE

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

(5119 / LAGONI / EDGELY CONSTRUCTION - LAKE CITY, FL 33608)

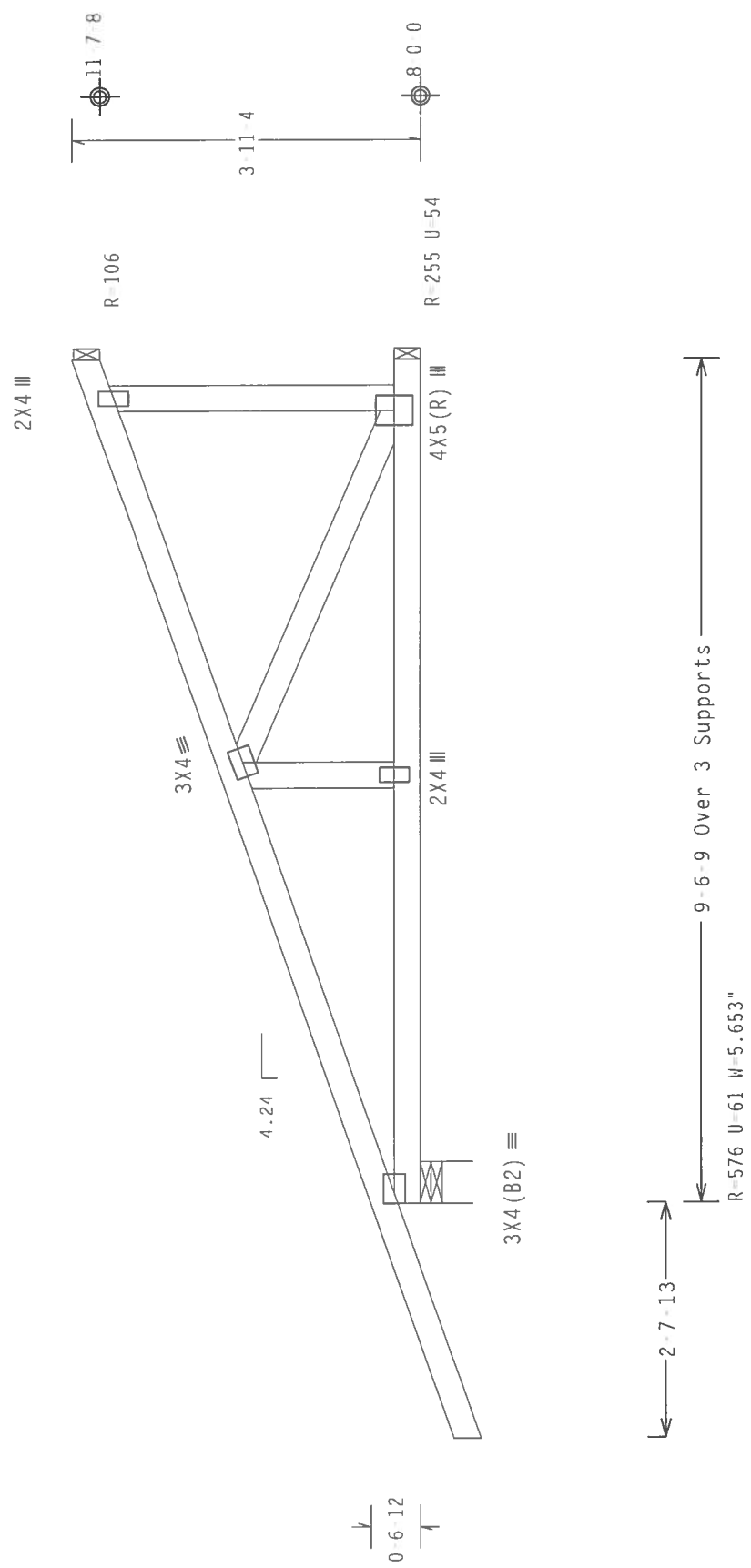
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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. $I_w = 1.00$ $G C p_i (+) = 0.18$

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

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 311'4".



Design Crit: TPI-2002(STD)/FBC
 $C_q/R_T = 1.00(1.25)/0(0)$ 7.38.00

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCES1 (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, 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY ALTERATION TO BUILD THE TRUSS IN CONFORMANCE WITH DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. FOR TRUSSES), THE BCG CORRELATION PLATES ARE MADE OF 20/18/16GA (H/55/PS) ASH A653 GRADE 40/60 (H/42/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604 Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 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. 7.

PLT TYP. Wave

ALPINE

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

JAMES J. JOHNS, JR.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 12 '08

QTY	2	FL / - / 5 / - / - / R /	REF	R215 -	36934
TC LL	20.0	PSF	DATE	11/12/08	
TC DL	10.0	PSF	DRW	HCUSR215	08317008
BC DL	10.0	PSF	HC-ENG	WHK / WHK	
BC LL	0.0	PSF	SEQN	151569	
TOT.LD.	40.0	PSF	FROM	CDM	
DUR.FAC.	1.25		JREF	1TMK215_Z01	
SPACING	24.0"				

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(1/-)-0.18

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 3 8 12.

Hipjack supports 6 4 0 setback jacks with no webs.

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

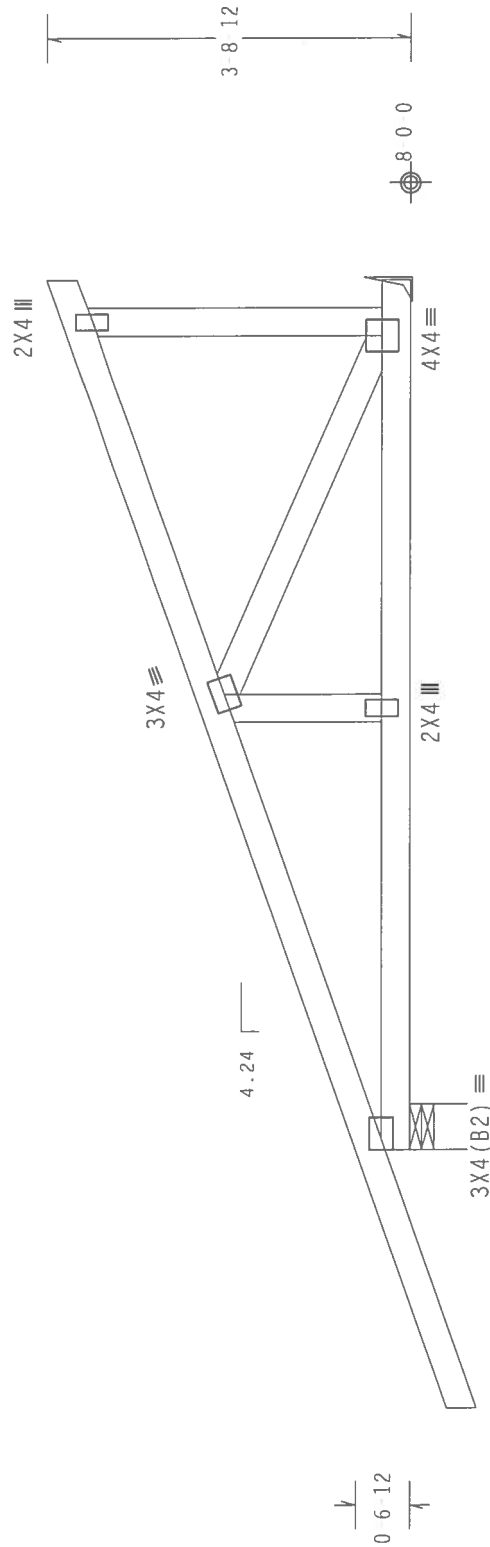


Diagram showing the layout of a 10' x 10' floor area. The total width is 10'0" (120"). The total length is 10'0" (120"). The layout includes a 2'7" (28") section on the left, a 2'7" (28") section on the right, and a central 8'11" (99") section. The central section is divided into two 4'5" (54") sections by a 1" gap. The total width of the central section is 8'11" (99"). The total length of the central section is 8'11" (99"). The total width of the floor is 10'0" (120"). The total length of the floor is 10'0" (120"). The layout is labeled "R 457 U 61 W 5.657" and "R 492 U 41".

Design Crit: TPI-2002(STD)/FBC

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

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

PLT TYP. Wave

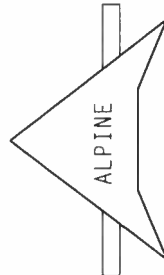
[illegible]

****WARNING**** TRUSSES ROUTINE EXISTENCE IN FABRICATION, UNLESS THE SHIPPING INSTALLING AND BRACING REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE STEEL INSTITUTE, 210 NORTH LEXE STREET, SUITE 312, ARLINGTON, VA, 22214, AND AISC, 6000 TRUSS COUNCIL OF AMERICA, 6300 NORMAN DRIVE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CORNER.

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

DESIGN CONDITIONS WITH APPLICABLE PARAMETERS OF THIS ANALYSIS SPEC. BY AREA AND TPT. THE REGISTRATION COMPLAINTS ARE MADE OF 2018/10/16 (H-HAS/25) ASIM 6653 GRADE 40/50 (H-K/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, WITHOUT DISCREPANCY LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TOGA 2. ON THE OTHER END OF PLATE FOLLOWED (1) SHALL BE A MINIMUM OF 2" (MINIMUM OF 2") AND (2) SHALL BE A MINIMUM OF 2" (MINIMUM OF 2").

THE DESIGNER HAS BEEN ADVISED THAT THE USER OF THIS DOCUMENT IS RESPONSIBLE FOR THE RESPONSIBILITY OF THE DESIGN SHOWN. THE SUBMITTER OF THIS DESIGN FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. THE SUBMITTER OF THIS DESIGN FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. THE SUBMITTER OF THIS DESIGN FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER.



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

TC LL	20.0 PSF	REF R215- 36935
TC DL	10.0 PSF	DATE 11/12/08
BC DL	10.0 PSF	DRW HCUR215 08317029
BC LL	0.0 PSF	HC-ENG AK/JWHK
TOT.LD.	40.0 PSF	SEQN- 149603
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF 1THK215 Z01

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, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $lw=1.00 G_{CPI}(1/-)=0.18$

REFER TO PIGBACKA0207 OR PIGBACKB0207 FOR PIGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C, UNLESS OTHERWISE SPECIFIED.

The overall height of this truss excluding overhang is 12 8 13.
Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave

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

Scale = .5" / Ft.

TC LL	20.0 PSF	REF R215 -	36937
TC DL	10.0 PSF	DATE	11/12/08
BC DL	10.0 PSF	DRW	HCUSR215 08317003
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN	242755
DUR.FAC.	1.25	FROM	CDM
SPACING	SEE ABOVE	JREF	ITMK215_Z01

PLT TYP. Wave

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

Scale = .5" / Ft.

TC LL	20.0 PSF	REF R215 -	36937
TC DL	10.0 PSF	DATE	11/12/08
BC DL	10.0 PSF	DRW	HCUSR215 08317003
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN	242755
DUR.FAC.	1.25	FROM	CDM
SPACING	SEE ABOVE	JREF	ITMK215_Z01

PLT TYP. Wave

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

Scale = .5" / Ft.

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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (CRUSS PLATE INSTITUTE, 2100 W. 10TH AVE., SUITE 100, GAITHERSBURG, MD 20878) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIVITIES. OTHERS 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. THE REG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF SDS (NATIONAL DESIGN SPEC., BY AIA/PAP) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS/RS) ASH 6053 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 T00A Z. ANY DISCREPANCY OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE ENGINEER'S OPINION. BUILDING DESIGNER PER AMS/PT 1 SEC. 2.

Top chord	2x4	SP	2 N
Bot chord	2x4	SP	2 N
Web	2x4	SP	2 N

110 mph wind, 15.00 ft mean hgt, 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. lw 1.00 GCpi(+/-) 0.18

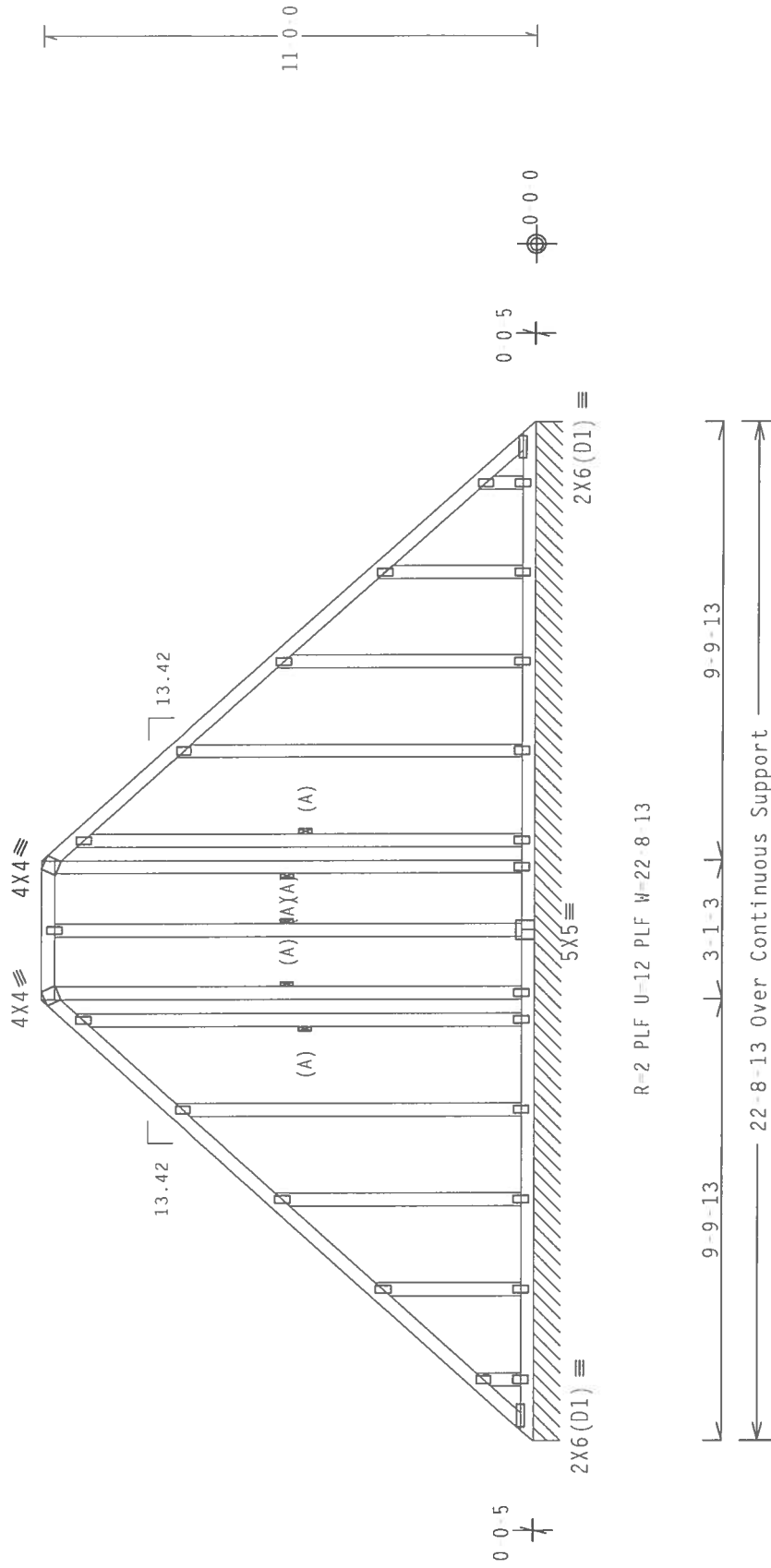
Deflection meets L/240 live and L/180 total load.

REFER TO PIGBACKA0207 OR PIGBACKB0207 FOR PIGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGYBACK TO BE BRACED
@ 24" O.C. UNLESS OTHERWISE SPECIFIED.

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

The overall height of this truss excluding overhang is 11 0 0.

(A) Continuous lateral bracing equally spaced on member.

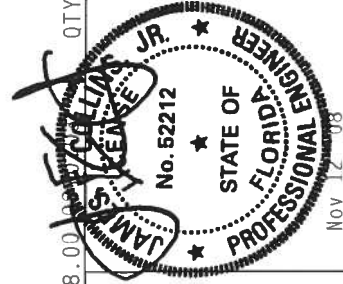


Note: All Plates Are 2X4 Except As Shown.

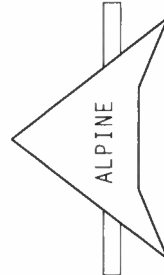
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

TC LL	20.0	PSF	REF	R215--	36938
TC DL	10.0	PSF	DATE	11/12/08	
BC DL	10.0	PSF	DRW	HCUSR215	08317010
BC LL	0.0	PSF	HC-ENG	WHK/JWHK	
TOT.LD.	40.0	PSF	SEON-	242751	
DUR.FAC.	1.25		FROM	CDM	
SPACING	SEE ABOVE		JREF-	1TNK215	Z01



Nov 12 08



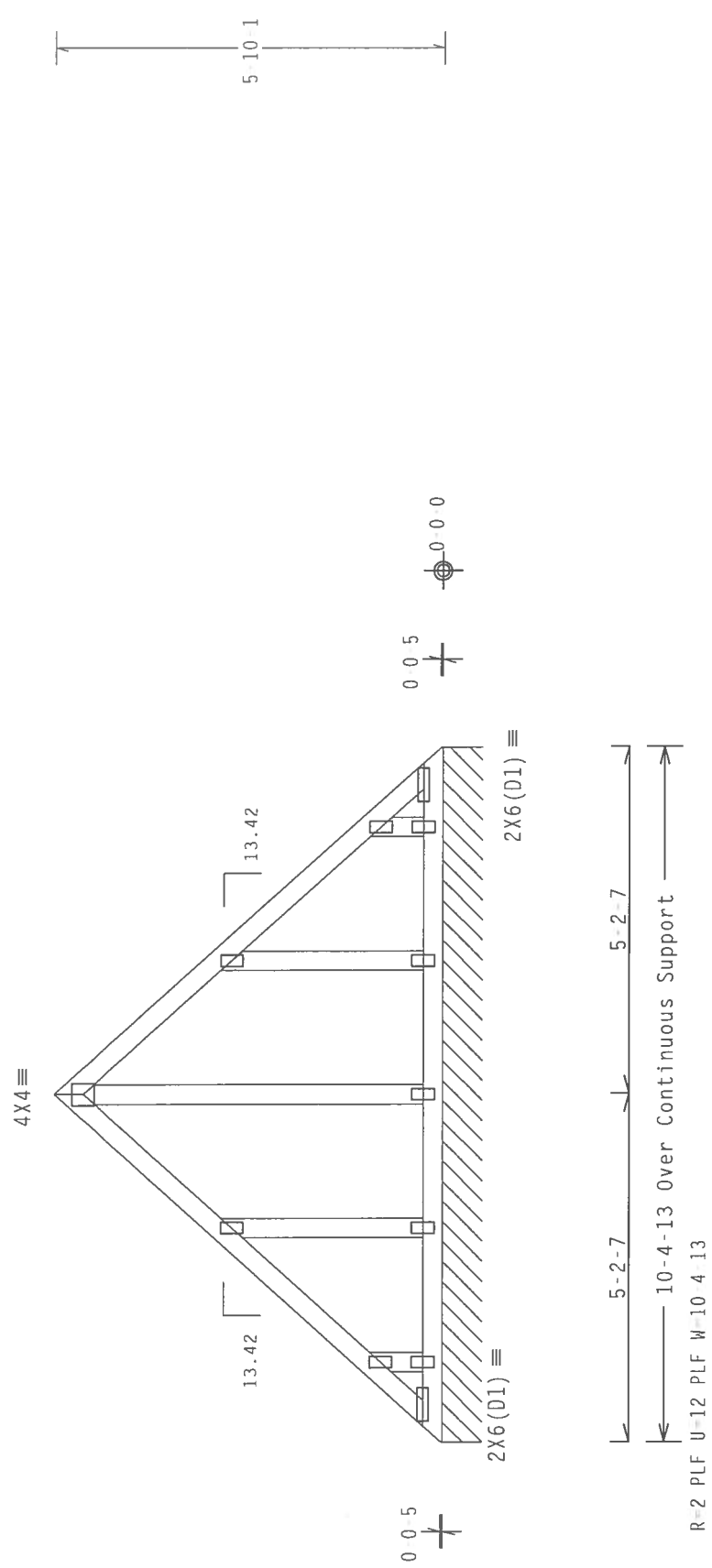
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

110 mph wind, 15.00 ft mean hgt, ASCE 7 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

REFER TO PIGBACKA0207 OR PIGBACKB0207 FOR PIGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGYBACK TO BE BRACED
@ 24" O.C., UNLESS OTHERWISE SPECIFIED.

The overall height of this truss excluding overhang is 5 10 1. Deflection meets L/240 live and L/180 total load.



Note: All Plates Are 2X4 Except As Shown.

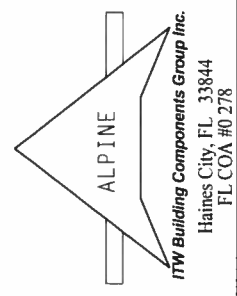
Design Crit: TPI-2002(STD)/FBC
Ca/RT=1.00(1.25)/

PLT TYP.	Wave	Cq/RT=1.00(1.25)/0(0)	7.38.00
DESIGN CRIC.	IFT-2002(SID)/FBC		

$$FL / - / 5 / - / - / R / - \quad \text{Scale} = .375" / \text{Ft.}$$

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

**** IMPORTANT ***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. IEF BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IT; OR FABRICATING, HANDLING, SHIPPING, INSTALLING, OR BRACING OF TRUSSES.
THESE TRUSSES ARE MADE OF 2018/JGGA-69-HSS/PFAS ASTM A572 GR50 46X60 @ KINROSS GALT STEEL - APPLIED CORROSION PROTECTION PER AREA 1 AND TPT. 1TH BCG
PLATES TO EACH FACE OF TRUSS AND, IF NECESSARY, ASHIM LOCATED ON THIS DESIGN, POSITION PER DIMENSIONS LOGA 2.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER APPHX A.3 OF PTL 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/APA 10 SEC. 2.



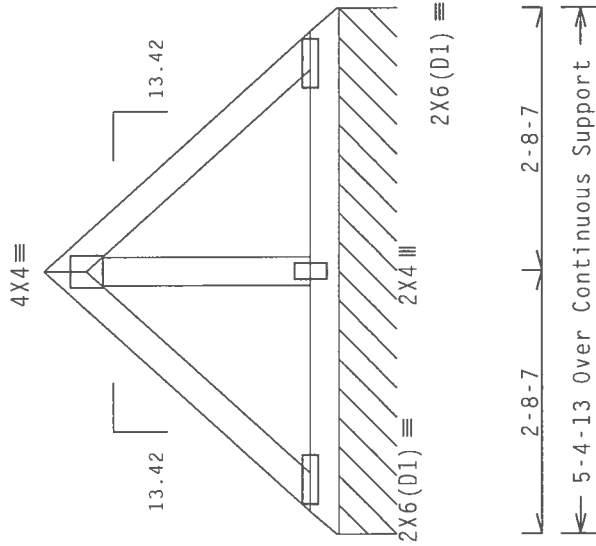
TC LL	20.0 PSF	REF	R215 - -	36939
TC DL	10.0 PSF	DATE	11/12/08	
BC DL	10.0 PSF	DRW	HCUSR215	08317038
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0 PSF	SEQN -	242746	
DUR.FAC.	1.25	FROM	CDM	
SPACING	SEE ABOVE	JREF	1TMK215	Z01

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

REFER TO PIGBACKA0207 OR PIGBACKB0207 FOR PIGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGYBACK TO BE BRACED
@ 24" O.C., UNLESS OTHERWISE SPECIFIED.

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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

The overall height of this truss excluding overhang is 3-0-8.
Deflection meets L/240 live and L/180 total load.



0-0-5

3-0-8

R=2 PLF U=12 PLF W=5-4-13

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

7.38.00

QTY: 1

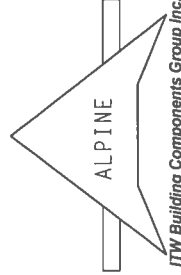
FL/-/5/-/-/R/-

Scale = .5"/Ft.

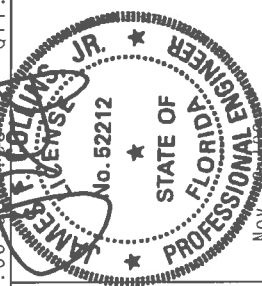
****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLANT INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MEEKS AVE., PITTSBURGH, PA 15222) FOR TRUSS DESIGN, FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. 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 DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITM BCG CORRELATOR PLATES ARE MADE OF 20/10/10GA (W/4/55/F) A575 A653 GRADE 40/60 (W/4/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 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.

PLT TYP. Wave



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



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

REF	R215--	36940
DATE	11/12/08	
DRW	HCUSR215	08317009
HC-ENG	WHK/WHK	
SEON-	242743	
FROM	CDM	
JREF-	1TMK215_Z01	

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	ALTERNATIVE BRACING T OR L-BRACE	SCAB BRACE
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.

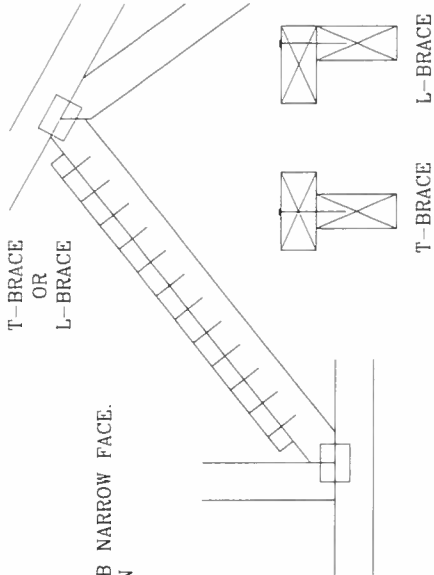
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING

OR

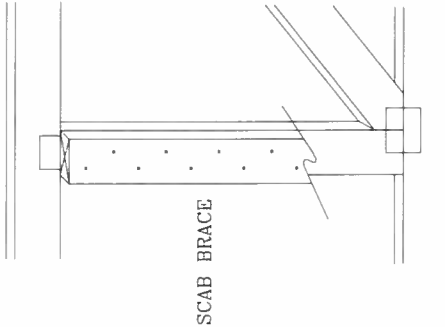
L-BRACING:

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

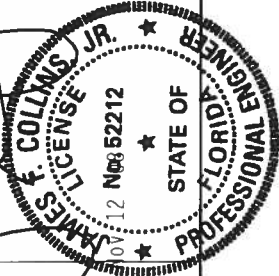


THIS DRAWING REPLACES DRAWING 579.640

 /T/ BUILDING COMPONENTS GROUP, INC. POMPAHO BEACH, FLORIDA	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				

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 STR., SUITE 312, ALEXANDRIA, VA 22314, AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, 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 COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSSES 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. ITV, BCG CONNECTION PLATES ARE MADE OF 2018/766A (W/4/33X) ASTM A653 GRADE 40/60 (W/K/H/SS) STEEL. APPLICABLE TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS PER DESIGN, POSITIONED PER DESIGN. 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.



**FLORIDA ENERGY EFFICIENCY CODE NEW
FOR BUILDING CONSTRUCTION**Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: 708212bLagoni, William
 Address: Lot: 6, Sub: Country Landing, Plat:
 City, State: , FL
 Owner: Lagoni Residence
 Climate Zone: North

Builder:
 Permitting Office:
 Permit Number:
 Jurisdiction Number:

1. New construction or existing ☒ New
2. Single family or multi-family ☒ Single Family
3. Number of units, if multi-family ☒ 1
4. Number of Bedrooms ☒ 3
5. Is this a worst case? ☒ No
6. Conditioned floor area (ft²) ☒ 2324 ft²
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)

a. U-factor:	Description	Area
(or Single or Double DEFAULT) 7a. (Dble Default)	352.5 ft ²	
b. SHGC:		
(or Clear or Tint DEFAULT) 7b. (Clear)	352.5 ft ²	
8. Floor types

a. Slab-On-Grade Edge Insulation	R=0.0, 274.0 (ft)
b. N/A	
c. N/A	
9. Wall types

a. Frame, Wood, Exterior	R=13.0, 1519.5 ft ²
b. Frame, Wood, Adjacent	R=13.0, 220.0 ft ²
c. N/A	
d. N/A	
e. N/A	
10. Ceiling types

a. Under Attic	R=30.0, 2349.0 ft ²
b. N/A	
c. N/A	
11. Ducts

a. Sup: Unc. Ret: Unc. Att: Interior	Sup. R= 6.0, 159.0 ft
b. N/A	

12. Cooling systems

a. Central Unit	Cap: 49.0 kBtu/hr SEER: 13.00
b. N/A	
c. N/A	
13. Heating systems

a. Electric Heat Pump	Cap: 49.0 kBtu/hr HSPF: 7.90
b. N/A	
c. N/A	
14. Hot water systems

a. Electric Resistance	Cap: 40.0 gallons EF: 0.93
b. N/A	
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
15. HVAC credits
(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multi-zone cooling,
MZ-H-Multi-zone heating)

Glass/Floor Area: 0.15

Total as-built points: 28003
Total base points: 31837**PASS**

I hereby certify that the plans and specifications covered by
 this calculation are in compliance with the Florida Energy
 Code.

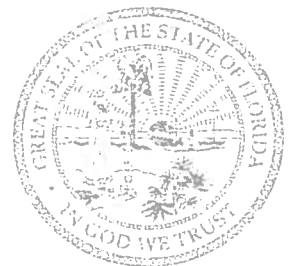
PREPARED BY: [Signature]
 DATE: 5-28-08

I hereby certify that this building, as designed, is in compliance
 with the Florida Energy Code.

OWNER/AGENT: _____
 DATE: _____

Review of the plans and
 specifications covered by this
 calculation indicates compliance
 with the Florida Energy Code.
 Before construction is completed
 this building will be inspected for
 compliance with Section 553.908
 Florida Statutes.

BUILDING OFFICIAL: _____
 DATE: _____



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Country Landing, Plat: , FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	2324.0	20.04	8383.1	Double, Clear	N	1.5	4.5	12.0	19.20	0.90	207.4
				Double, Clear	E	1.5	7.3	27.0	42.06	0.95	1073.6
				Double, Clear	E	1.5	5.5	20.0	42.06	0.90	754.0
				Double, Clear	N	1.5	5.5	60.0	19.20	0.93	1069.3
				Double, Clear	N	1.5	5.5	20.0	19.20	0.93	356.4
				Double, Clear	E	1.5	5.5	15.0	42.06	0.90	565.5
				Double, Clear	S	1.5	5.5	80.0	35.87	0.83	2387.8
				Double, Clear	S	6.0	7.3	13.5	35.87	0.55	265.7
				Double, Clear	W	1.5	5.5	45.0	38.52	0.90	1554.9
				Double, Clear	W	1.5	4.5	24.0	38.52	0.85	785.3
				Double, Clear	W	1.5	6.5	36.0	38.52	0.93	1285.8
				As-Built Total:			352.5			10305.7	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	220.0	0.70	154.0	Frame, Wood, Exterior	13.0			1519.5	1.50	2279.3	
Exterior	1519.5	1.70	2583.2	Frame, Wood, Adjacent	13.0			220.0	0.60	132.0	
Base Total:				1739.5			2737.2				
				As-Built Total:			1739.5			2411.3	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	40.0	1.60	64.0	Exterior Insulated				20.0	4.10	82.0	
Exterior	60.0	4.10	246.0	Exterior Insulated				40.0	4.10	164.0	
				Adjacent Insulated				40.0	1.60	64.0	
Base Total:				100.0			310.0				
				As-Built Total:			100.0			310.0	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	2324.0	1.73	4020.5	Under Attic	30.0			2340.0	1.73 X 1.00	4048.2	
Base Total:				2324.0			4020.5				
				As-Built Total:			2340.0			4048.2	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	274.0(p)	-37.0	-10138.0	Slab-On-Grade Edge Insulation	0.0			274.0(p)	-41.20	-11288.8	
Raised	0.0	0.00	0.0								
Base Total:				-10138.0			274.0			-11288.8	
				As-Built Total:			274.0			-11288.8	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Country Landing, Plat: , , FL,

PERMIT #.

BASE				AS-BUILT			
INFILTRATION Area X BSPM = Points				Area X SPM = Points			
2324.0 10.21 23728.0				2324.0 10.21 23728.0			
Summer Base Points: 29040.8				Summer As-Built Points: 29514.4			
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)			
(sys 1 Central Unit 49000 btuh ,SEER/EFF(13.0) Ducts Unc(S),Unc(R),Int(AH),R6.0r(INS)							
29514 1.00 (1.09 x 1.147 x 0.91) 0.263 1.000 8815.7							
29040.8 0.4266 12388.8				29514.4 1.00 1.138 0.263 1.000 8815.7			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Country Landing, Plat: , FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X WPM X WOF = Points							
.18	2324.0	12.74	5329.4	Double, Clear	N	1.5	4.5	12.0	24.58	1.00	296.3
				Double, Clear	E	1.5	7.3	27.0	18.79	1.02	519.6
				Double, Clear	E	1.5	5.5	20.0	18.79	1.04	391.4
				Double, Clear	N	1.5	5.5	60.0	24.58	1.00	1479.0
				Double, Clear	N	1.5	5.5	20.0	24.58	1.00	493.0
				Double, Clear	E	1.5	5.5	15.0	18.79	1.04	293.5
				Double, Clear	S	1.5	5.5	80.0	13.30	1.15	1220.3
				Double, Clear	S	6.0	7.3	13.5	13.30	2.42	434.6
				Double, Clear	W	1.5	5.5	45.0	20.73	1.03	959.0
				Double, Clear	W	1.5	4.5	24.0	20.73	1.04	518.7
				Double, Clear	W	1.5	6.5	36.0	20.73	1.02	760.9
				As-Built Total: 352.5 7366.4							
WALL TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Adjacent	220.0	3.60	792.0	Frame, Wood, Exterior			13.0	1519.5	3.40		5166.3
Exterior	1519.5	3.70	5622.1	Frame, Wood, Adjacent			13.0	220.0	3.30		726.0
Base Total: 1739.5 6414.1				As-Built Total: 1739.5 5892.3							
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points							
Adjacent	40.0	8.00	320.0	Exterior Insulated				20.0	8.40		168.0
Exterior	60.0	8.40	504.0	Exterior Insulated				40.0	8.40		336.0
				Adjacent Insulated				40.0	8.00		320.0
Base Total: 100.0 824.0				As-Built Total: 100.0 824.0							
CEILING TYPES Area X BWPM = Points				Type R-Value Area X WPM X WCM = Points							
Under Attic	2324.0	2.05	4764.2	Under Attic			30.0	2340.0	2.05 X 1.00		4797.0
Base Total: 2324.0 4764.2				As-Built Total: 2340.0 4797.0							
FLOOR TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Slab	274.0(p)	8.9	2438.6	Slab-On-Grade Edge Insulation			0.0	274.0(p)	18.80		5151.2
Raised	0.0	0.00	0.0								
Base Total: 2438.6				As-Built Total: 274.0 5151.2							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Country Landing, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT			
INFILTRATION Area X BWPM = Points				Area X WPM = Points			
2324.0 -0.59 -1371.2				2324.0 -0.59 -1371.2			
Winter Base Points: 18399.2				Winter As-Built Points: 22659.8			
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)			
18399.2 0.6274 11543.6				(sys 1: Electric Heat Pump 49000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0 22659.8 1.000 (1.069 x 1.169 x 0.93) 0.432 1.000 11367.3 22659.8 1.00 1.162 0.432 1.000 11367.3			

WATER HEATING & CODE COMPLIANCE STATUS

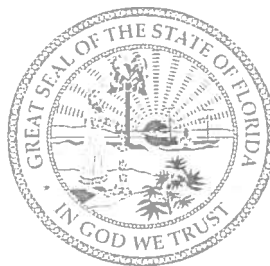
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Country Landing, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
3		2635.00	7905.0	40.0	0.93	3		1.00	2606.67 1.00 7820.0
				As-Built Total:					7820.0

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
12389		11544	7905 31837	8816		11367	7820 28003

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Country Landing, Plat: , , FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall, foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.4

The higher the score, the more efficient the home.

Lagoni Residence, Lot: 6, Sub: Country Landing, Plat: , FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 49.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	2324 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 49.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 352.5 ft ²		HSPF: 7.90
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 352.5 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 274.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.93
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1519.5 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 220.0 ft ²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2340.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 150.0 ft		
b. N/A			

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.flsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4 Energy Gauge R (Version: FLR2PB v4.1)