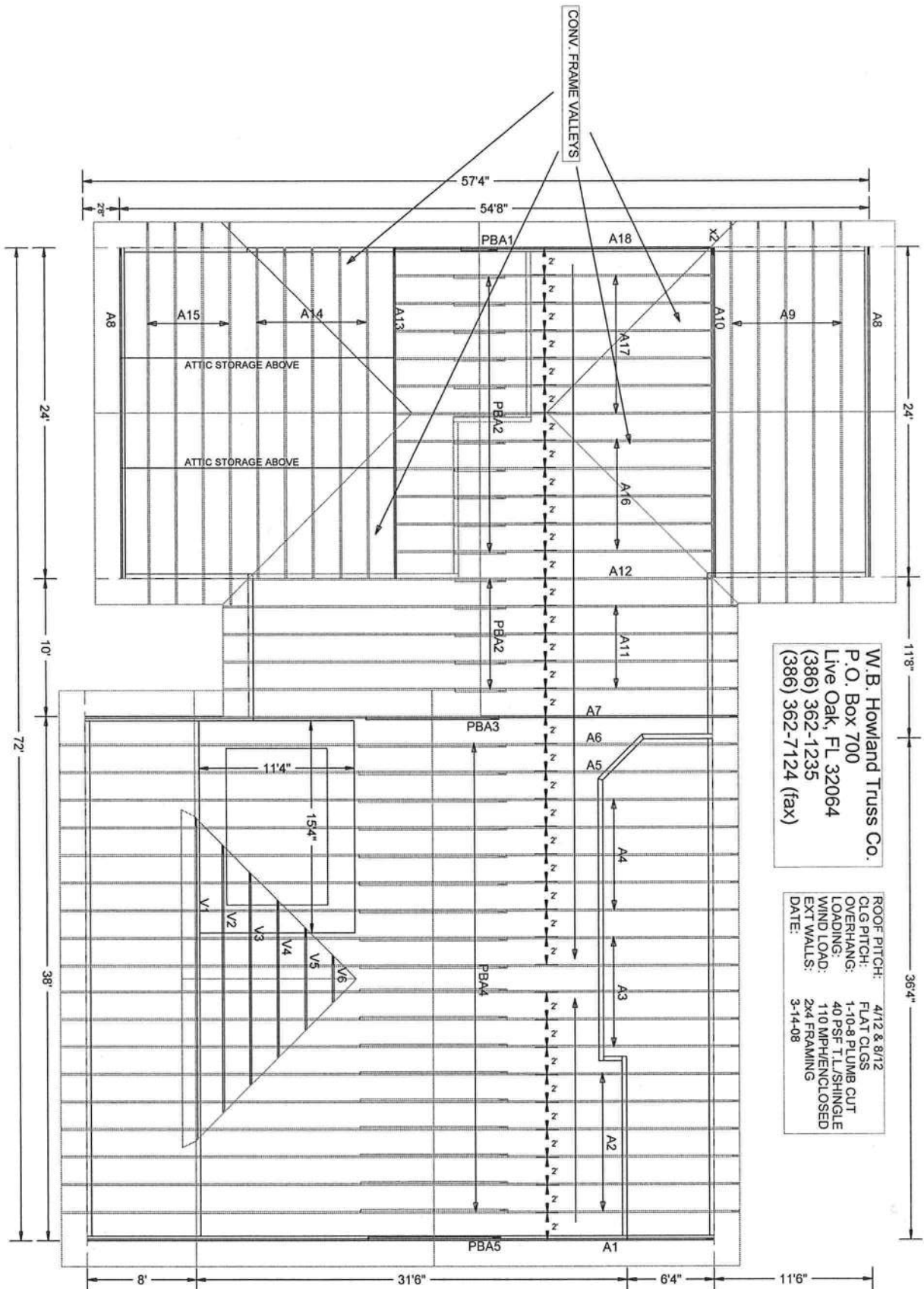




W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)

ROOF PITCH: 4/12 & 8/12
CLG PITCH: FLAT CLGS
OVERHANG: 1-10-8 PLUMB CUT
LOADING: 40 PSF T.L./SHINGLE
WIND LOAD: 110 MPH/ENCLOSED
EXT WALLS: 2x4 FRAMING
DATE: 3-14-08

Job Name: Baker Residence
Customer: EDGELY CONSTRUCTION
Designer: Chris McCall

JOB NO:
5310

PAGE NO:
1 OF 1

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:1TFT215-Z0114100438

Truss Fabricator: W.B. Howland
Job Identification: 5310-/Baker Residence /EDGELY CONSTRUCTION -- LAKE CITY, FL
Truss Count: 28
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.38, 7.37.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed



Seal Date: 03/14/2008

Notes:

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

-Truss Design Engineer-
James F. Collins Jr.

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

Details: A11015EE-GBLLETIN-BRCLBSUB-VALTRUSS-

#	Ref	Description	Drawing#	Date
1	82375--A1		08074001	03/14/08
2	82376--A2		08074002	03/14/08
3	82377--A3		08074003	03/14/08
4	82378--A4		08074004	03/14/08
5	82379--A5		08074005	03/14/08
6	82380--A6		08074006	03/14/08
7	82381--A7		08074027	03/14/08
8	82382--A8		08074025	03/14/08
9	82383--A9		08074007	03/14/08
10	82384--A10		08074026	03/14/08
11	82385--A11		08074015	03/14/08
12	82386--A12		08074016	03/14/08
13	82387--A13		08074017	03/14/08
14	82388--A14		08074018	03/14/08
15	82389--A15		08074008	03/14/08
16	82390--A16		08074009	03/14/08
17	82391--A17		08074010	03/14/08
18	82392--A18		08074011	03/14/08
19	82393--PBA1		08074012	03/14/08
20	82394--PBA2		08074013	03/14/08
21	82395--PBA3		08074014	03/14/08
22	82396--PBA4		08074028	03/14/08
23	82397--V1		08074019	03/14/08
24	82398--V2		08074020	03/14/08
25	82399--V3		08074021	03/14/08
26	82400--V4		08074022	03/14/08
27	82401--V5		08074023	03/14/08
28	82402--V6		08074024	03/14/08



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID:1TFT215-Z0114100438

Truss Fabricator: W.B. Howland
Job Identification: 5310-/Baker Residence /EDGELY CONSTRUCTION -- LAKE CITY, FL
Truss Count: 1
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.38, 7.37.
Structural Engineer of Record:
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

Seal Date: 03/14/2008

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	82396--PBA4		08074028	03/14/08

ALPINE



(5310-/Baker Residence /EDGEY CONSTRUCTION -- LAKE CITY, FL - A1)

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

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 0.00 PSF. Top chord must not be cut or notched.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements. Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 11-0-0. The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

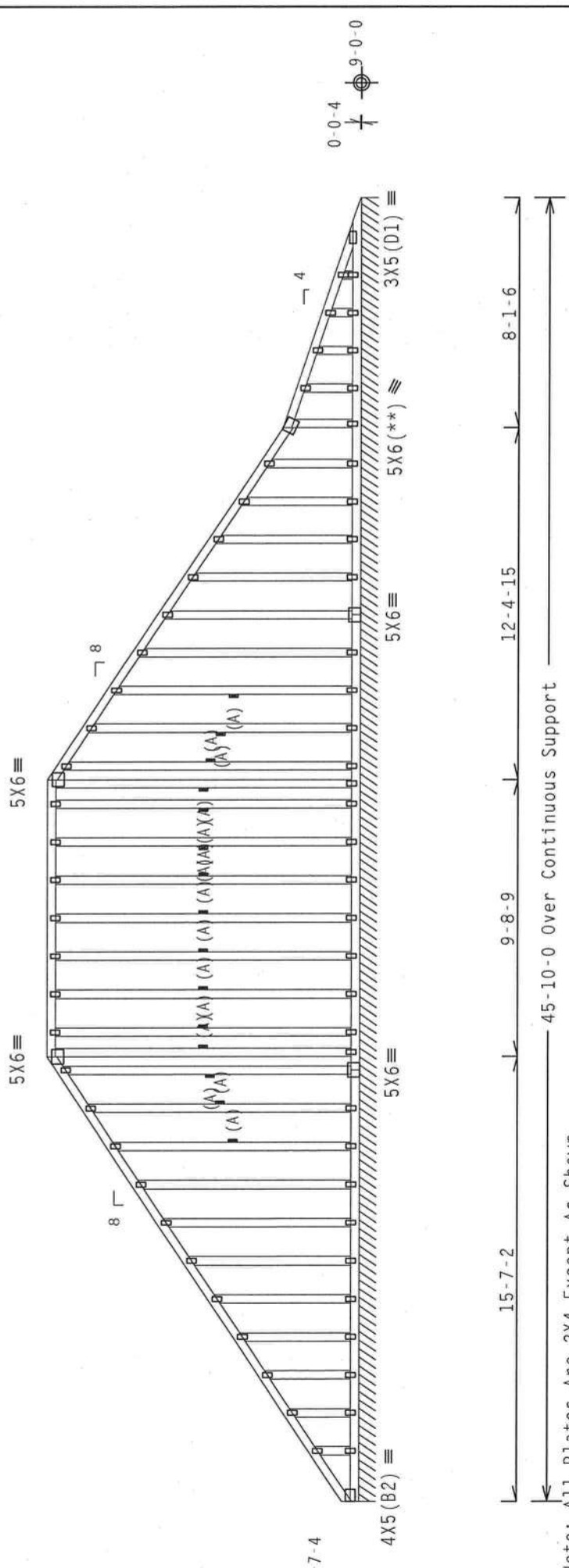
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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.

(A) Continuous lateral bracing equally spaced on member.

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



Note: All Plates Are 2x4 Except As Shown.

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

PLT TYP. Wave

Scale = .1875"/Ft.	
REF	R215-- 82375
DATE	03/14/08
DRW	HCUSR215 08074001
HC-ENG	SSB/AP
SEQN-	222208
FROM	CDM
JREF-	1TFT215_Z01

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0278

FLORIDA

STATE OF

PROFESSIONAL ENGINEER

No. 52212

Mar 14 '08

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-M/SS/S) ASTM A653 GRADE 40/60 (4, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL OR THIS BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND NOT FOR THE BUILDING DESIGNER. 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, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpl(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

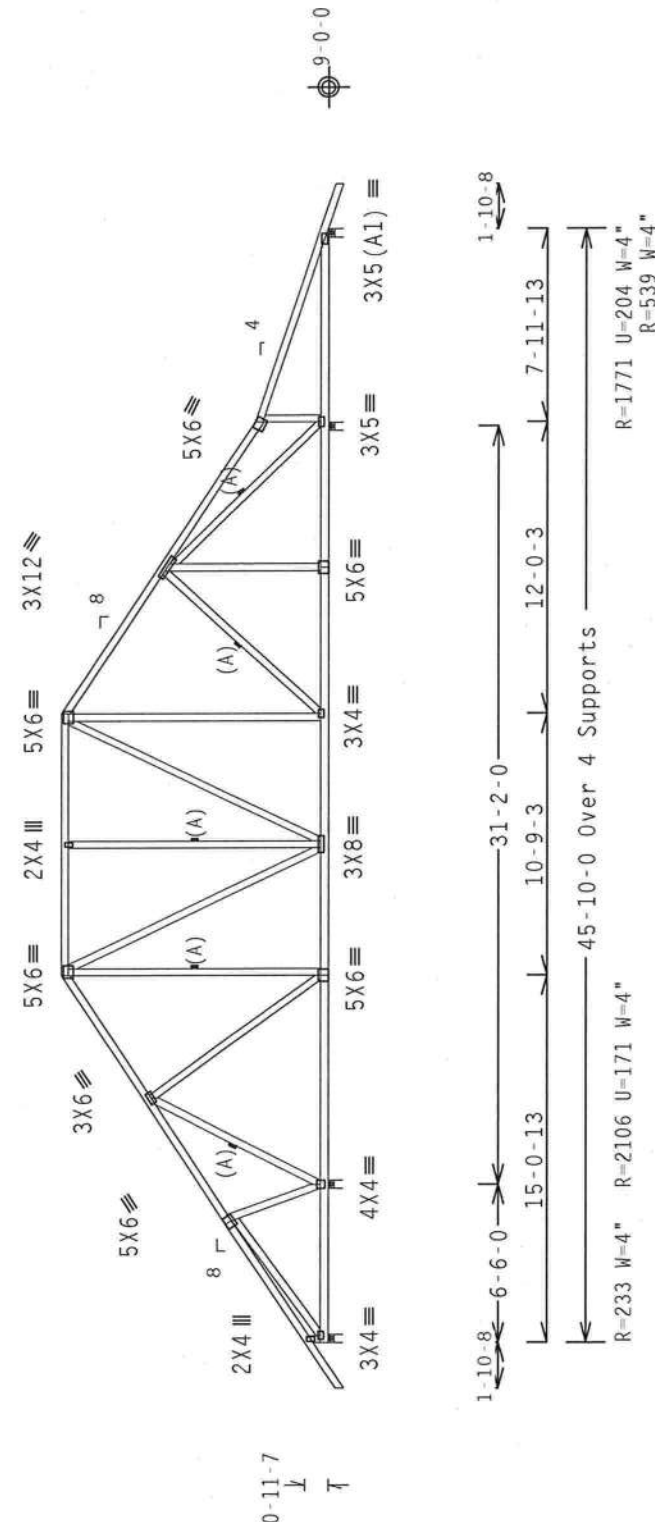
Wind reactions based on MWFRS pressures.

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

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

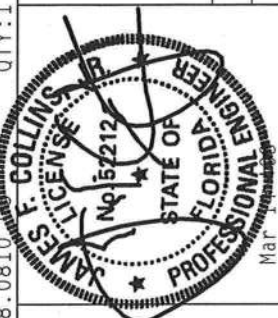
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

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



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

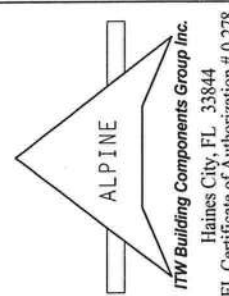
PLT TYP. Wave	QTY:1	FL/-/5/-/-/R/-	Scale = .125"/Ft.
	TC LL	20.0 PSF	REF R215-- 82376
	TC DL	10.0 PSF	DATE 03/14/08
	BC DL	10.0 PSF	DRW HCUSR215 08074002
	BC LL	0.0 PSF	HC-ENG SSB/AP
	TOT.LD.	40.0 PSF	SEQN- 222214
	DUR.FAC.	1.25	FROM CDM
	SPACING	24.0"	JREF- 1TFT215_Z01



****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, 2100 STATE STREET, ALBANY, NY 12214) AND TPI (TRUSS PLATE INSTITUTE, 2100 STATE STREET, ALBANY, NY 12214) FOR ADDITIONAL INFORMATION. UNLESS OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/166A (4-11/16) ASTM A653 GRADE 40/60 (4, K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER 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.



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

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

(A) Continuous lateral bracing equally spaced on member.

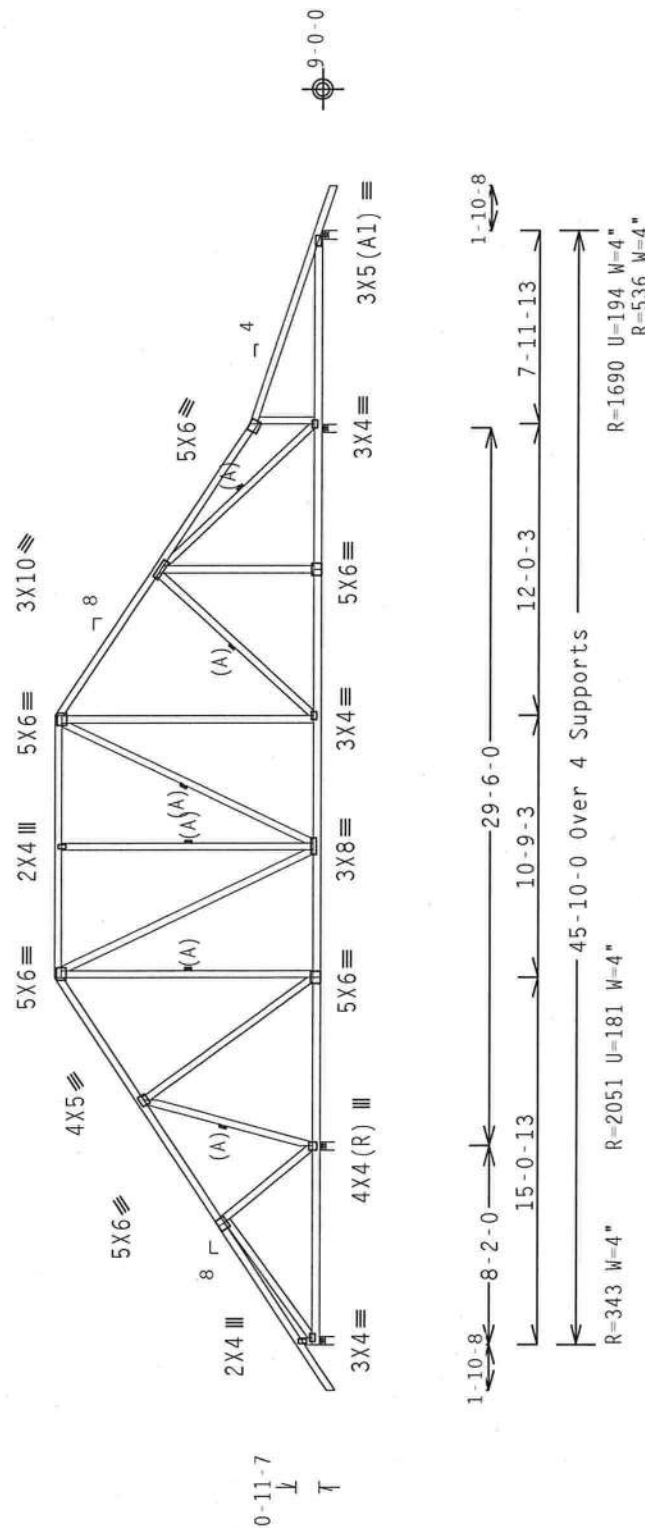
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: TPI-2002(STD)/FBC

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

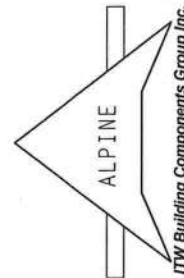
QTY: 1

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

Scale = 125"/Ft.

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PERFORMING THESE FUNCTIONS WITHOUT SPECIAL TRAINING AND SUPERVISION MAY BE DANGEROUS TO LIFE AND LIMB. THESE THUSSES WERE DESIGNED AND MANUFACTURED BY THE TRUSS PLATE INSTITUTE, 710 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND ITS SUBSIDIARY, TRUSS CONSULTANTS, 100 ENTERPRISE LANE, WOODSIDE, MI 48091. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

TC LL	20.0	PSF	REF	R215 - -	82377
TC DL	10.0	PSF	DATE	03/14/08	
BC DL	10.0	PSF	DRW	HCUSR215	08074003
BC LL	0.0	PSF	HC-ENG	SSB/AP	
TOT.LD.	40.0	PSF	SEQN-	222220	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1TFT215	Z01



ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization #0 278

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

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

(A) Continuous lateral bracing equally spaced on member.

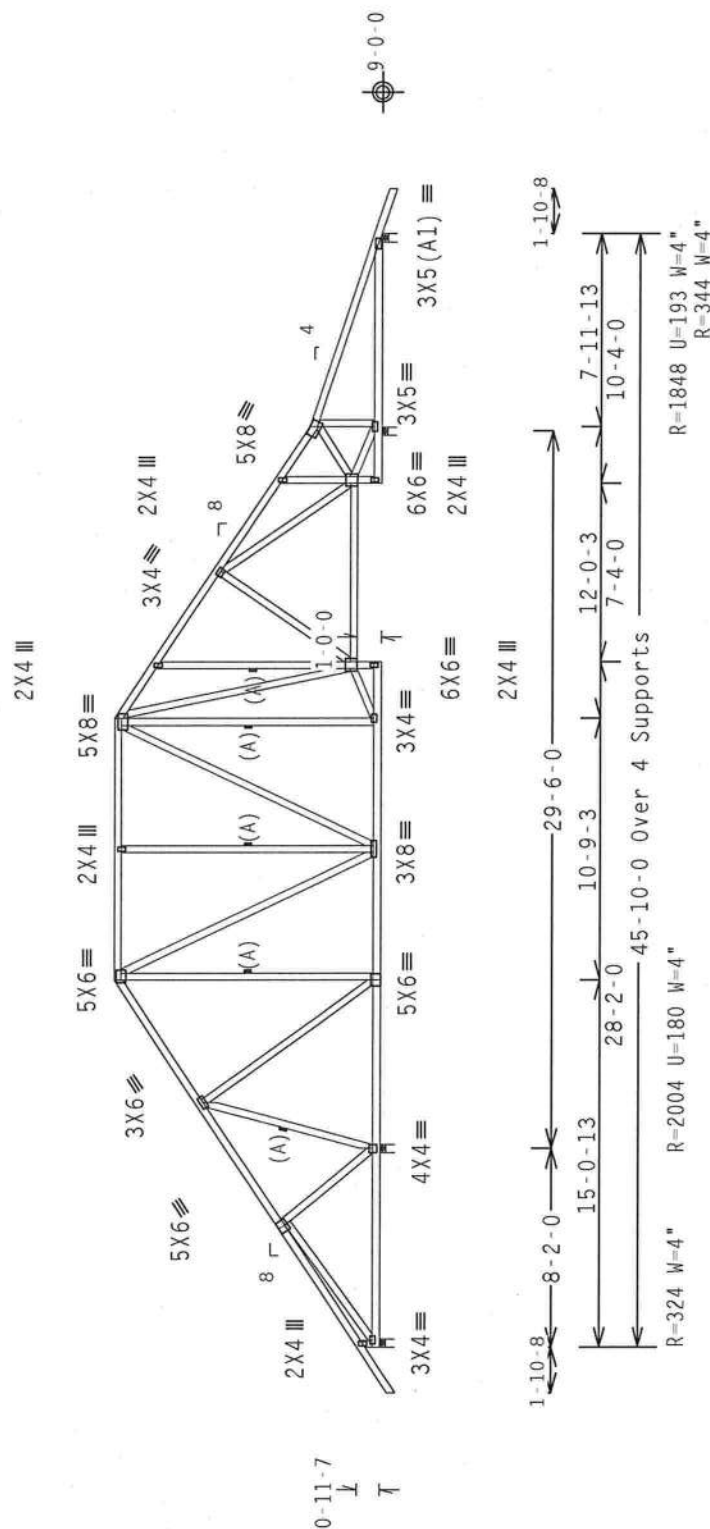
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

wind reactions based on MWFRS pressures.

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

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

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

*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PLEASE TO BESS BUILDING COMPONENTS SYSTEMS, INC. (H) 510 SHED RD. (P) CROSS PLATE STREET, 210 NORTH LEE STREET, SUITE 312, ALICEA, MONTANA 59213, AND CONTACT THE COMPANY AT 406.266.6666. ENTERPRISE LANE, WADSWORTH, MN 55719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, PLEASE SEE THE COMPANY WEBSITE AT WWW.BESSBUILDINGCOMPONENTS.COM. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CILLING.

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

[illegible]

FL/-/5/-/-/R/-		Scale = .125"/Ft.
TC LL	20.0 PSF	REF R215 -- 82378
TC DL	10.0 PSF	DATE 03/14/08
BC DL	10.0 PSF	DRW HCUSR215 08074004
BC LL	0.0 PSF	HC-ENG SSB/AP
TOT.LD.	40.0 PSF	SEQN - 222226
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1TFT215 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, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpi(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

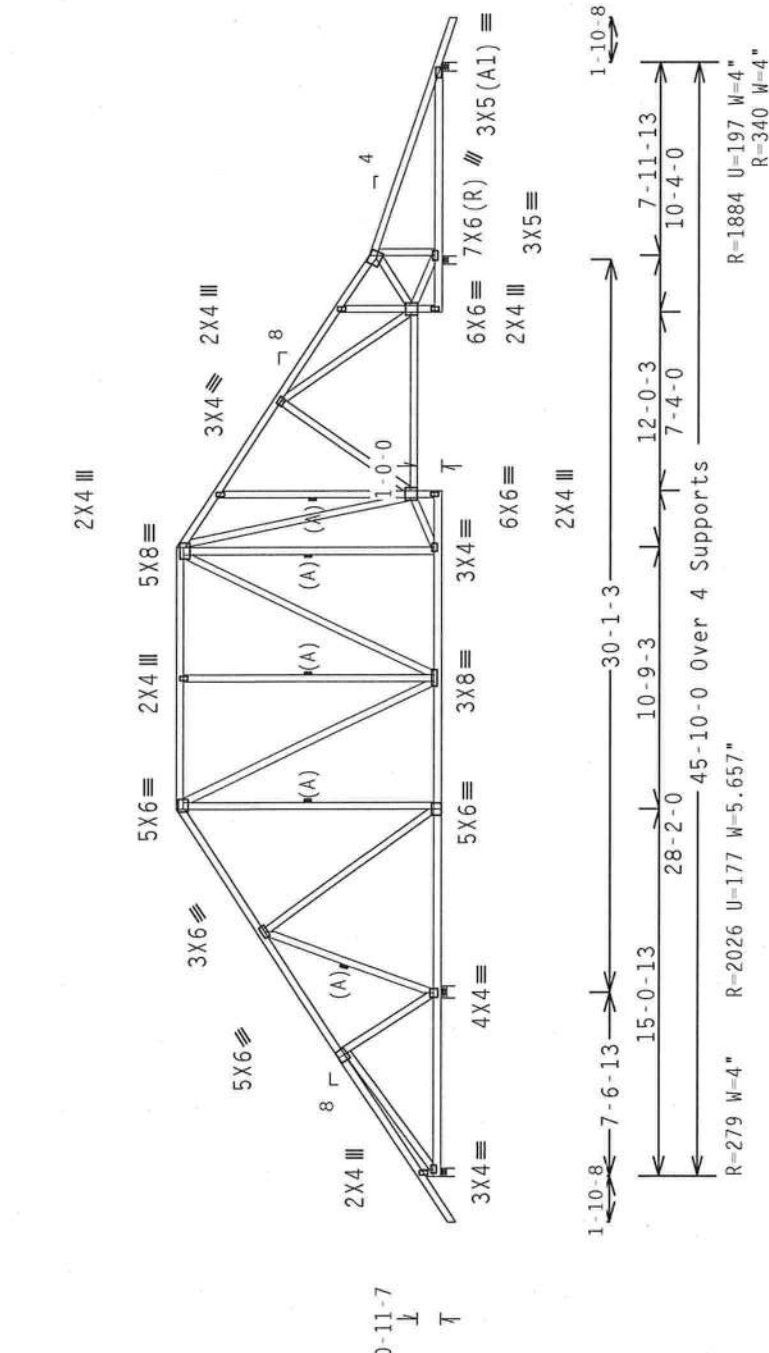
Wind reactions based on MWFRS pressures.

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

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

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

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



Design Crit: TPI-2002(STD)/FBC

Scale = .125" / Ft.

PLT TYP. Wave

ALPINE

rtw Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

WARNING: TRUSSES REQUIRE EXERCISE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND WEA, WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HUD (NATIONAL DESIGN SPEC, BY AREA) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 2010/160A (4-H/55/5) ASTM A563 GRADE 40/60 (4, 8/16, 55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF THE TRUSS. ITM BCG SHALL BE RESPONSIBLE 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/TPI 1 SEC. 2.

QTY: 1	FL / - / 5 / - / - / R / -	TC LL	20.0 PSF	REF	R215 - -	82379
		TC DL	10.0 PSF	DATE	03/14/08	
		BC DL	10.0 PSF	DRW	HCUSR215	08074005
		BC LL	0.0 PSF	HC-ENG	SSB/AP	
		TOT. LD.	40.0 PSF	SEQN-	22232	
		DUR. FAC.	1.25	FROM	CDM	
		SPACING	24.0"	JREF-	1TFT215_Z01	

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

: Lt Slider 2x6 SP #2 N: BLOCK LENGTH = 1.682'

(A) Continuous lateral bracing equally spaced on member.

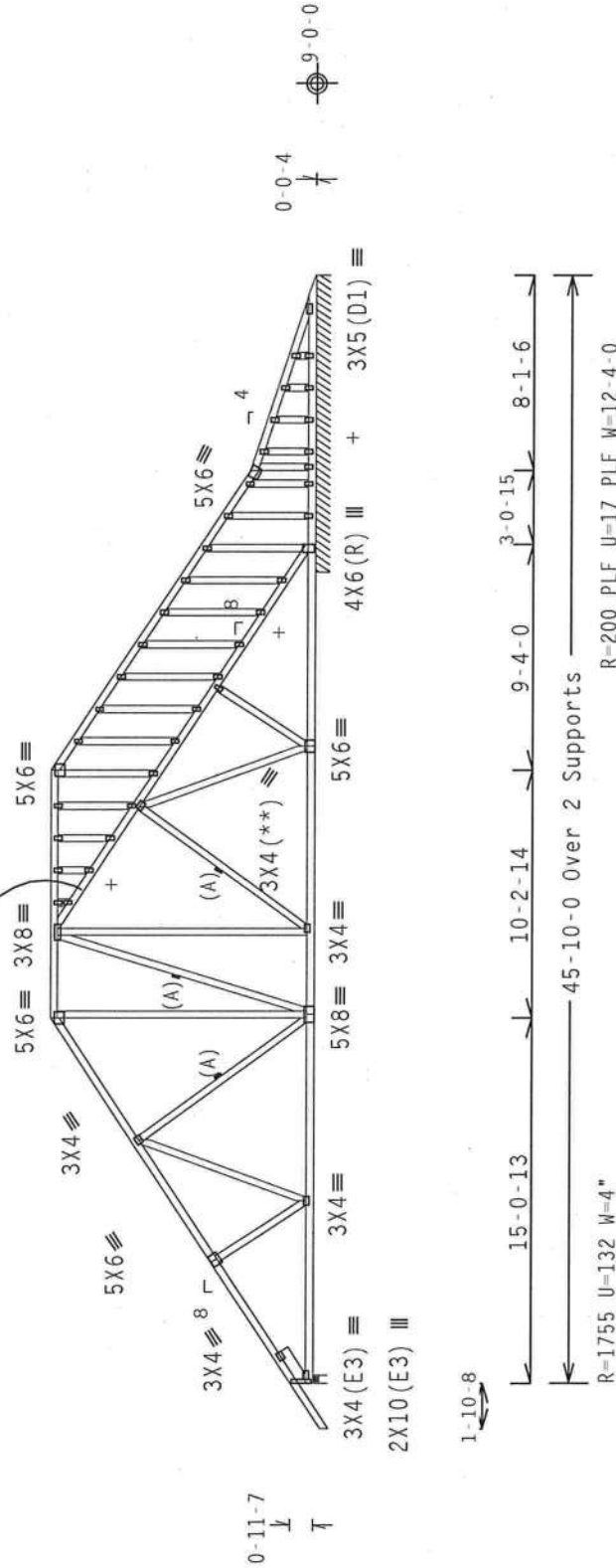
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the Gable end. All connections to be designed by the building designer.

ADJACENT ROOF
PLANE



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

0810.0300

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

Scale = 125"/Ft

WARNING: THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION FOR ALL THUSSING AND BRACING. FOR MORE INFORMATION, CONTACT THE STEEL INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND VICA (IRON THUSS) TRUSS SOURCE, 1000 ENTERPRISE LANE, MOBILE, AL 36619. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/1068 (41/55/5K) ASTM A563 GRADE 40/60 (N, K7H-55) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN, POSITION FOR DRAINING 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBEX 43 OF TPI-2002 SEC. 2.2. DRAINING 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 AMBEX/TPI 1 SEC. 2.



ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0 278



TC LL	20.0	PSF	REF	R215 - -	82381
TC DL	10.0	PSF	DATE	03/14/08	
BC DL	10.0	PSF	DRW	HCUSR215	08074027
BC LL	0.0	PSF	HC-ENG	SSB/AP	
TOT.LD.	40.0	PSF	SEQN-	222265	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1TFT215	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. 1w=1.00 GCpi (+/-)-0.18

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 0.00 PSF. Top chord must not be cut or notched.

Wind reactions based on MWFRS pressures.

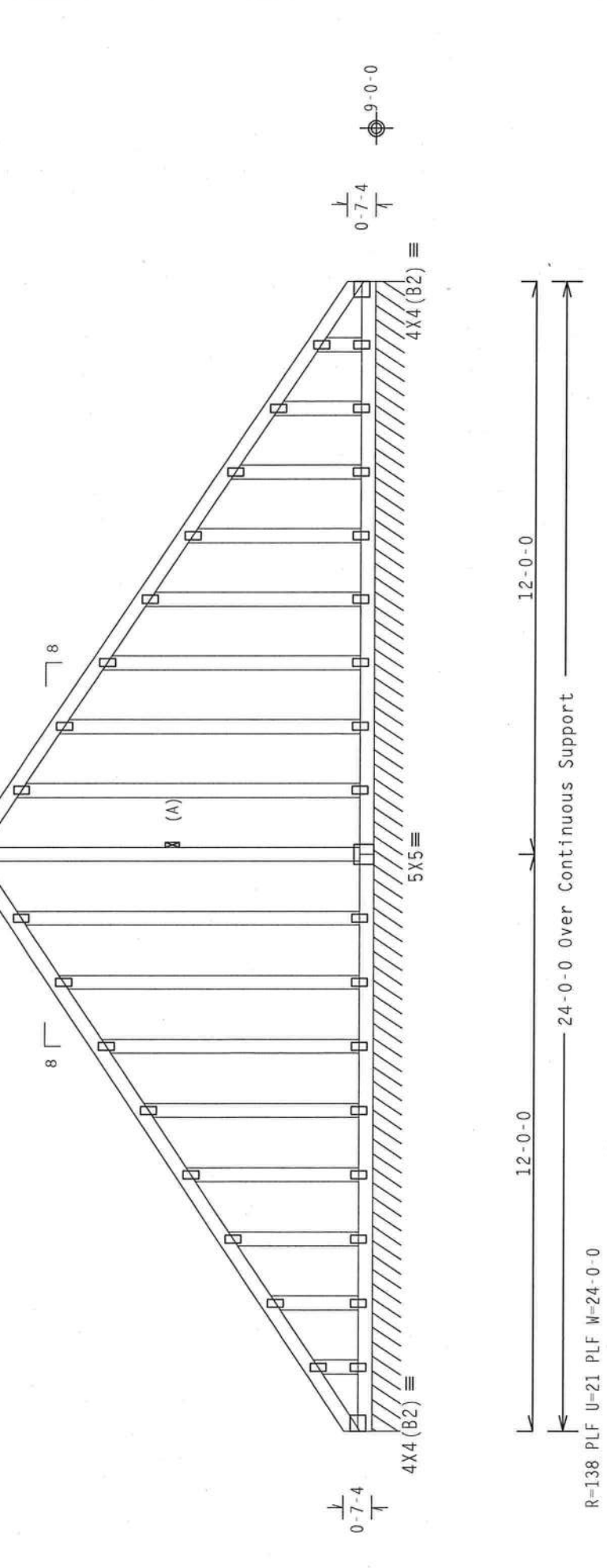
See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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

(A) Continuous lateral bracing equally spaced on member.

The overall height of this truss excluding overhang is 8-7-4.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the Gable end. All connections to be designed by the building designer.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Scale = .3125"/Ft.

QTY:1	FL/-/5/-/R/-	REF	R215--	82382
TC LL	20.0 PSF	DATE	03/14/08	
TC DL	10.0 PSF	DRW	HCUSR215	08074025
BC DL	10.0 PSF	HC-ENG	SSB/AP	
TOT.LD.	40.0 PSF	SEQN-	222127	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1TFT215_Z01	

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization #0278

Professional Engineer

STATE OF FLORIDA

Professional Engineer

Mar

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

Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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

(A) Continuous lateral bracing equally spaced on member.

The overall height of this truss excluding overhang is 8-7-4.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the Gable end. All connections to be designed by the building designer.

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 0.00 PSF. Top chord must not be cut or notched.

Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

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

(A) Continuous lateral bracing equally spaced on member.

The overall height of this truss excluding overhang is 8-7-4.

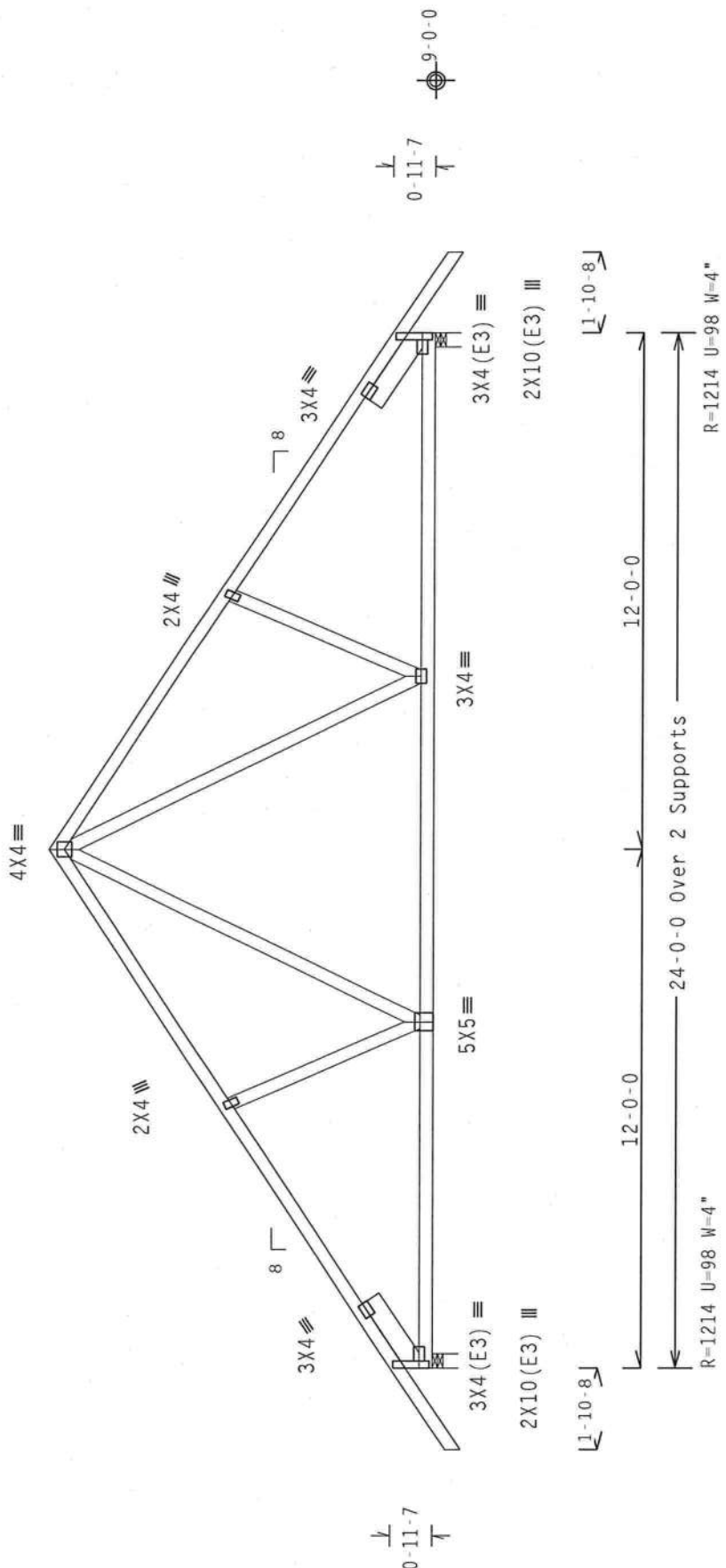
The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the Gable end. All connections to be designed by the building designer.

(5310- /Baker Residence /EDGEY CONSTRUCTION -- LAKE CITY, FL - A9)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Slider 2x6 SP #2 N: BLOCK LENGTH = 1.975'
:Rt Slider 2x6 SP #2 N: BLOCK LENGTH = 1.975'

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

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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 8-11-7.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810

Scale = .25"/Ft.

REF	R215--	82383
DATE	03/14/08	
DRW	HCUSR215	08074007
HC-ENG	SSB/AP	*
SEQN	222131	
FROM	CDM	
JREF	1TFT215_Z01	

James S. Collins
Professional Engineer
State of Florida
License No. 52212
Mar 14 '08

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 0278

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun nails)

Top Chord: 1 Row @12.00" o.c.

Bot Chord: 1 Row @ 5.00" 0.c.

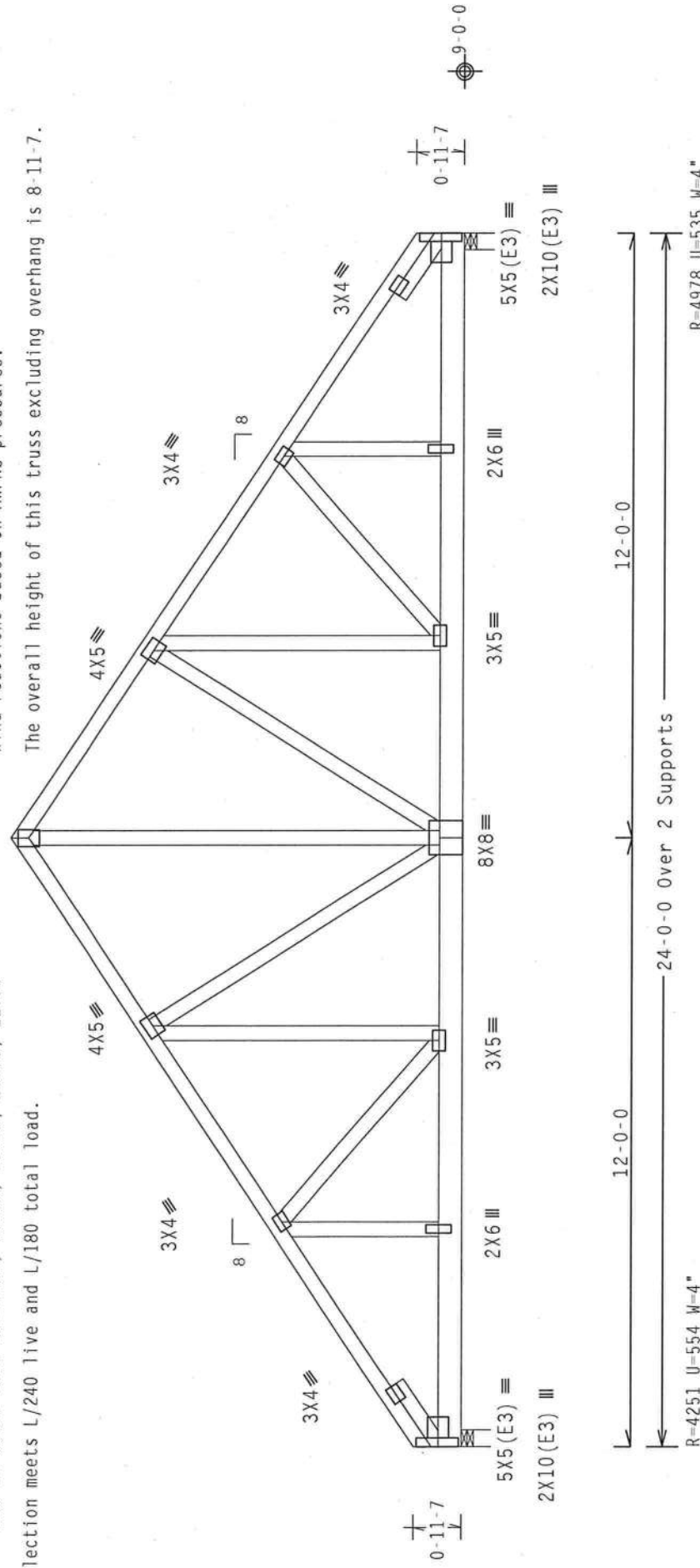
Webs : 1 Row @ 4" 0.c.

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 bTdg, 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.

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



R=4251 U=554 W=4"

R=4978 H=535 W=4"

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/0(0)$ 7.38 0810

0TY:1 FI/-/5/-/-/R/-

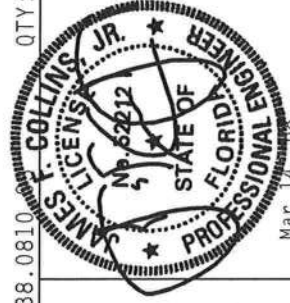
Scale = .3125"/Ft.

PLT TYP. Wave

WARNING: THROSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION, PROVIDED BY TPOSS PLATE INSTITUTE, 2300 STEEL BUILDING, SUITE 312, ALEXANDRIA, VA, 22314, AND AFCA (A6000 THROSS) COUNCIL OF AMERICA, 6200 ENTERPRISE AVE., BUILDING 500, FORT WORTH, TEXAS 76115-1919, FOR 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 CHAIRS.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE BCG TRUSS BEGS BUILDING CONSTRUCTION, PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 2300 NORTH L STREET, AUSTIN, TEXAS 78701) (PH 512/476-1100) (FAX 512/476-1101) (WWW.BCGTRUSS.COM) ENTERPRISE LANE, HUNTSVILLE, AL 35894 FOR SAFETY PRACTICES PRIOR TO PROCEEDING WITH THIS 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. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE BCG TRUSS BEGS BUILDING CONSTRUCTION, PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 2300 NORTH L STREET, AUSTIN, TEXAS 78701) (PH 512/476-1100) (FAX 512/476-1101) (WWW.BCGTRUSS.COM) ENTERPRISE LANE, HUNTSVILLE, AL 35894 FOR SAFETY PRACTICES PRIOR TO PROCEEDING WITH THIS TRUSS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

[illegible]

Haines City, FL 33844

Haines City, FL 33844

FL Certificate of Authorization
Haines City, FL 33844

SPACING 24.0"

JREF- 1TFT215 701

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

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: :Lt Slider 2x6 SP #2 N: BLOCK LENGTH = 1.682'
: :Rt Slider 2x6 SP #2 N: BLOCK LENGTH = 1.682'

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(A) Continuous lateral bracing equally spaced on member.

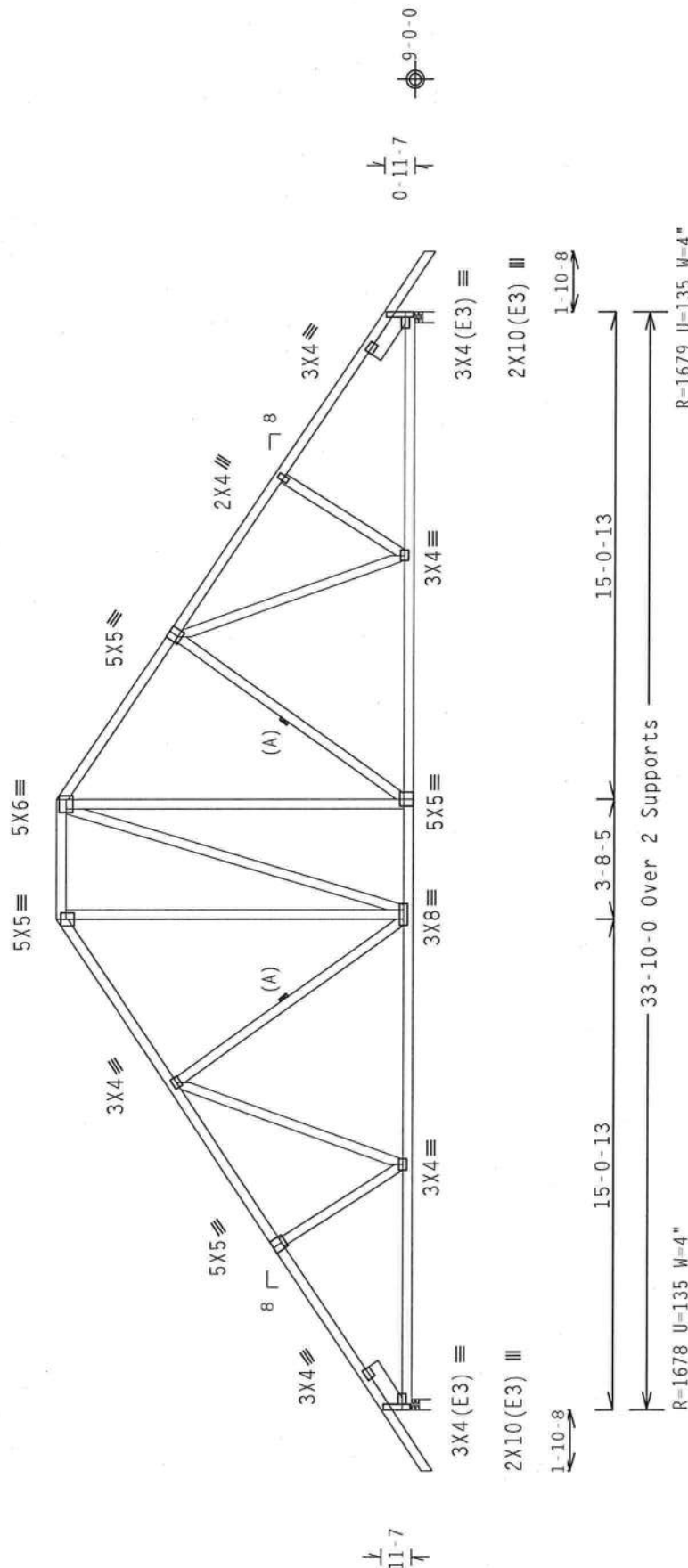
Deflection meets L/240 live and L/180 total load.

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. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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

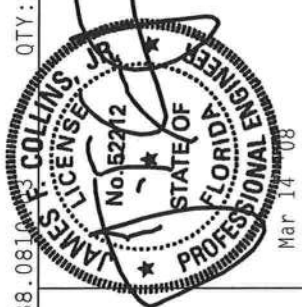


Design Crit: TPI-2002(STD)/FBC

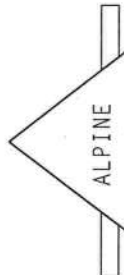
PLT TYP. Wave

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

TC LL	20.0	PSF	REF R215-- 82385
TC DL	10.0	PSF	DATE 03/14/08
BC DL	10.0	PSF	DRW HCURSR215 08074015
BC LL	0.0	PSF	HC-ENG SSB/AP
TOT.LD.	40.0	PSF	SEQN- 222200
DUR.FAC.	1.25		FROM CDM
SPACING	24.0"		JREF- 1TFT215_Z01



WARNING: THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RIG TO CESS, BUT NOT TO EXCEED, THE DESIGN LOADS OF THE THUSS (THUSS PLANT INSTITUTE, 218 RIVER STREET, SUITE 312, ALEXANDRIA, VA 22314) AND TECH 4000 THUSS (THUSS PLANT INSTITUTE, 218 ENTERPRISE LANE, MOHICSON, NY 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID BEAMING.

[illegible]

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 273

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

:Lt Slider 2x6 SP #2 N:	BLOCK LENGTH =	1.682'
:Rt Slider 2x6 SP #2 N:	BLOCK LENGTH =	1.682'

(A) Continuous lateral bracing equally spaced on member.

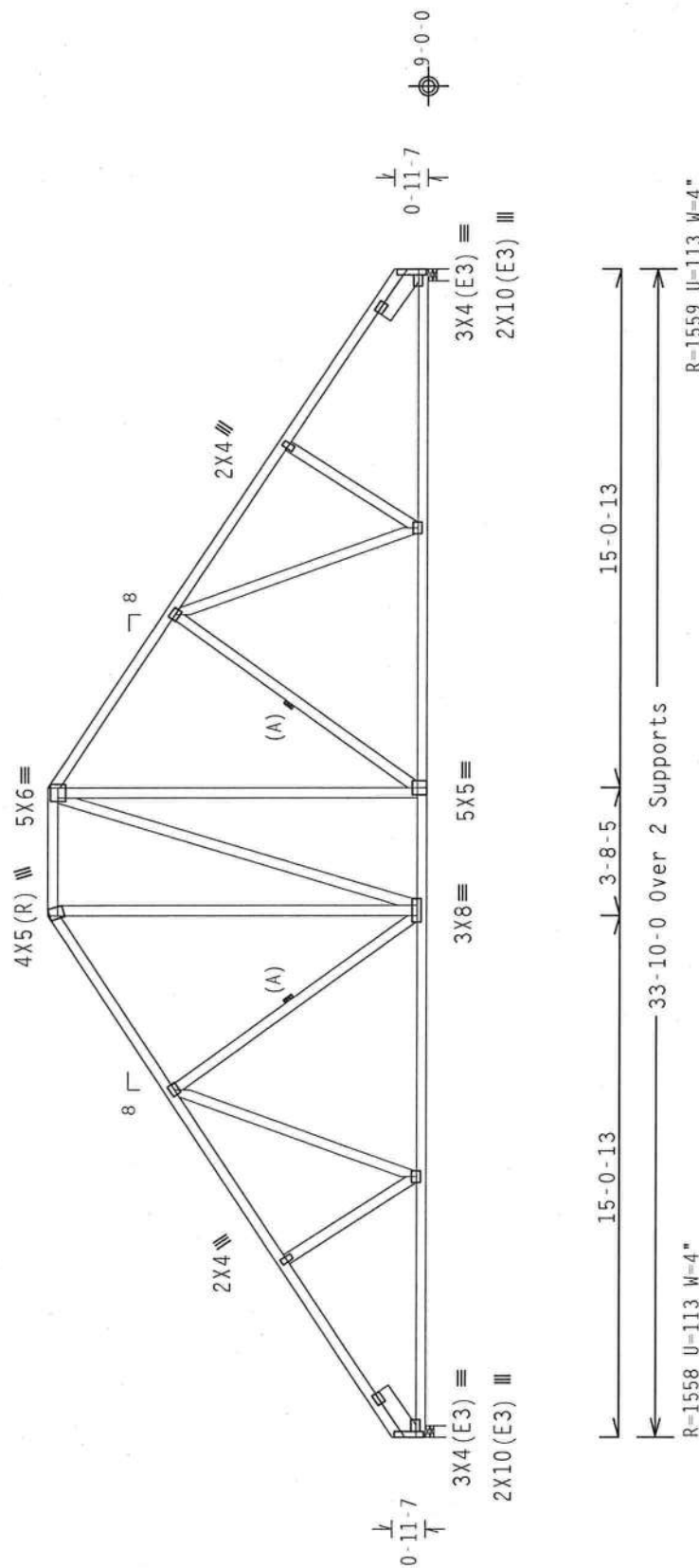
Deflection meets L/240 live and L/180 total load.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

0810 03

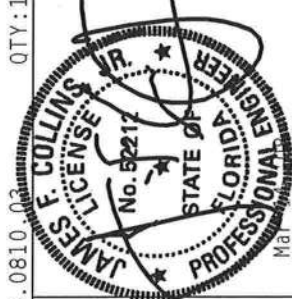
Scale = .1875"/Ft.



ITW Building Components Group Inc.
Haines City, FL 33844

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI'S BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (4000 TRUSS COUNCIL OF AMERICA, ENTERPRISE LANE, MAISON, MI 48375) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

RESPONSIBLE: I UNDERSIGN, AS THE INSTALLATION CONTRACTOR FOR ITM BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY VIOLATION OF THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH ITM TPI 1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING, OR BRACING OF TRUSSES. ITM BCG DESIGN COMES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ASEPAA) AND TPI-1. ITM BCG TRUSSES SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE 2002 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC), 2002 EDITION, CHAPTER 16, SECTION 1601.2. A SEAL ON THIS TRUSS TO EACH FACE OF THE TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER FIGURES 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-1:2002 SEC.2. A SEAL ON THIS TRUSS BUILDING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS TRUSS. THE USE OF THIS CONSENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX A1 SEC.2.



TC LL	20.0	PSF	REF	R215--	82386
TC DL	10.0	PSF	DATE	03/14/08	
BC DL	10.0	PSF	DRW	HCUSR215	08074016
BC LL	0.0	PSF	HC-ENG	SSB/AP	*
TOT.LD.	40.0	PSF	SEQN-	222204	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1TFT215	Z01

Top chord	2x4	SP	SS	N	:B2	2x6	SP	SS	:B3	2x4	SP	#2	N
Bot chord	2x6	SP	#2	N									
Web	2x4	SP	#2	N									
:Lt	Slider	2x6	SP	#2	N	:BLOCK	LENGTH	=	1.500'				
:Rt	Slider	2x6	SP	#2	N	:BLOCK	LENGTH	=	1.500'				

Calculated horizontal deflection is 0.14" due to live load and 0.20" due to dead load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 8-0-0 to 16-0-0.

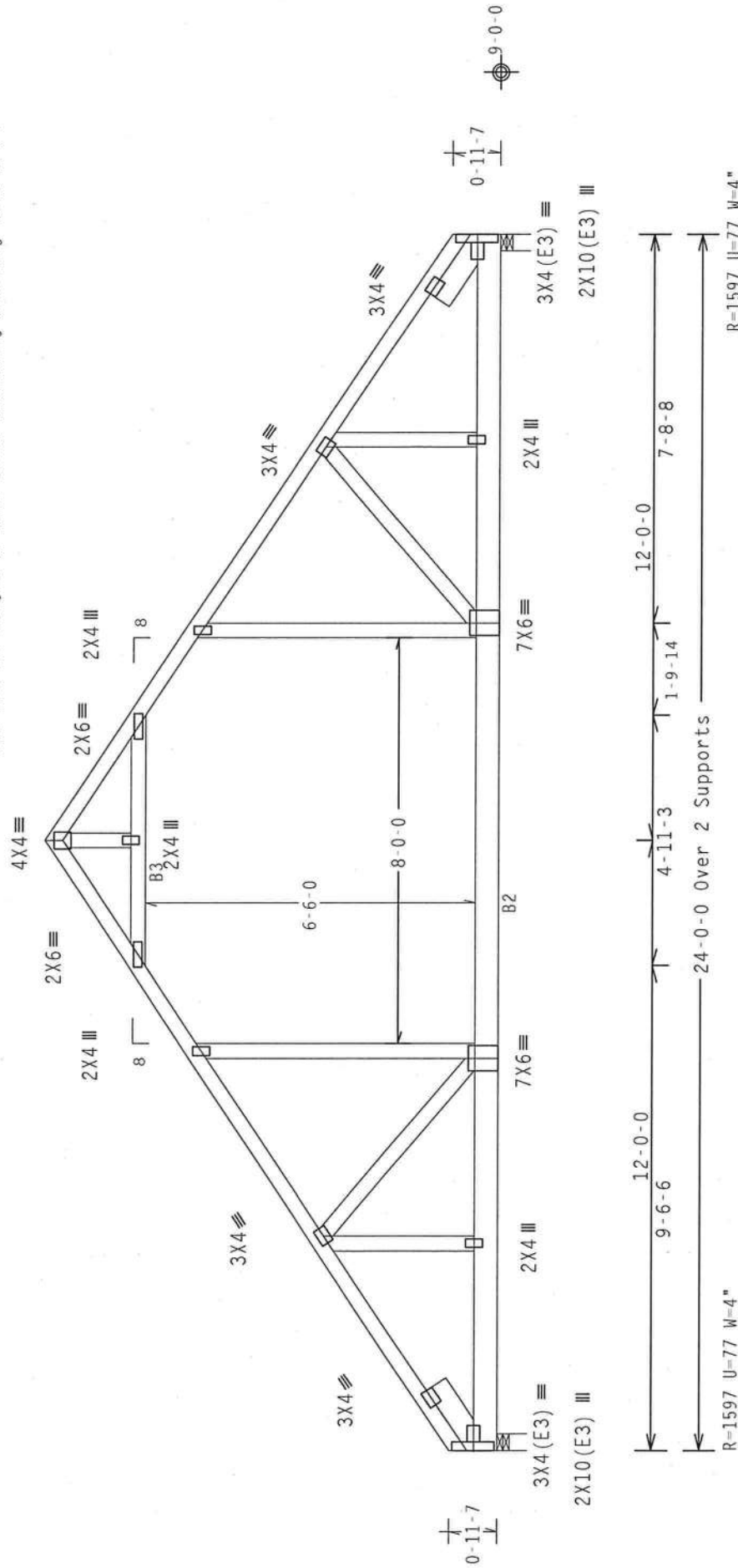
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

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

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

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

PLT TYP. Wave

Scale = .3125"/Ft.

REF R215-- 82388

DATE 03/14/08

DRW HCUSR215 08074018

HC-ENG SSB/AP

SFON- 222304

FROM CDM

JREF- 1TET215 701

****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 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 5300 ENTERPRISE LANE, MAISON, MI 48379 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPECIFICATION) TRUSSES. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA. OR A36/50KSI PLATE 40/60 IN. K/155S GALV. STEEL. APPROX. 1/4" PLATES TO EACH FACE OF TRUSS AND OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABEX 43 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUBMITTER AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNING DESIGNER PER ABX1/TP1 1 SEC. 2.



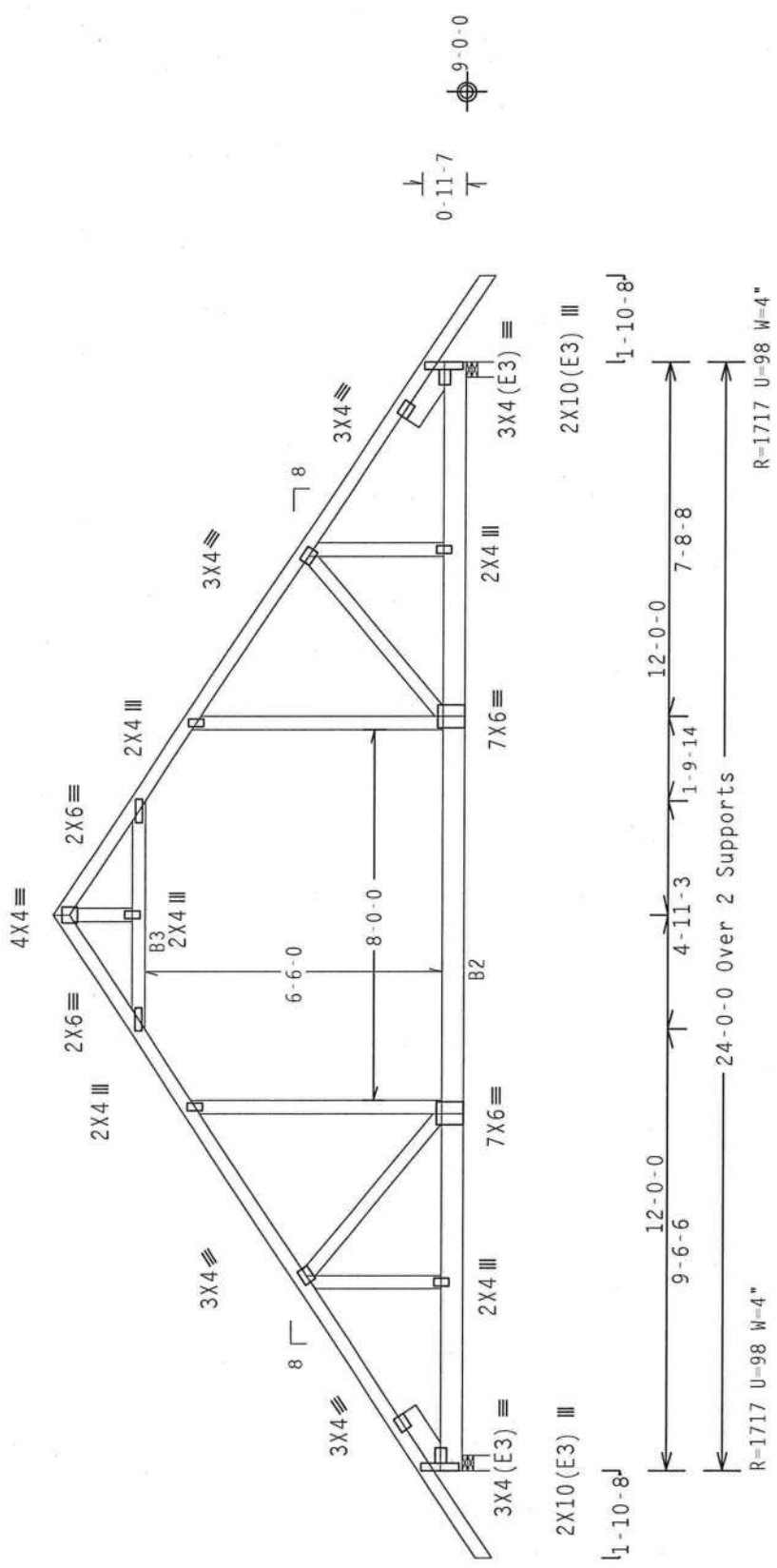
ITW Building Components Group Inc.
Haines City, FL 33844

FL Certificate of Authorization # 0 278
Haines City, FL 33844

(5310-/Baker Residence /EDGELY CONSTRUCTION -- LAKE CITY, FL - A15)

Top chord 2x4 SP SS
Bot chord 2x6 SP #2 N :B2 2x6 SP SS: :B3 2x4 SP #2 N:
Webs 2x4 SP #2 N
:Lt Slider 2x6 SP #2 N: BLOCK LENGTH = 1.500'
:Rt Slider 2x6 SP #2 N: BLOCK LENGTH = 1.500'

Calculated horizontal deflection is 0.14" due to live load and 0.19" due to dead load.
BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 8-0-0 to 16-0-0.
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 (+/-)=0.18
Wind reactions based on MWFRS pressures.
Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 8-11-7.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/1/R/- Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

TC LL	20.0 PSF	REF	R215--	82389
TC DL	10.0 PSF	DATE	03/14/08	
BC DL	10.0 PSF	DRW	HCUSR215	08074008
BC LL	0.0 PSF	HC-ENG	SSB/AP	
TOT.LD.	40.0 PSF	SEQN	222306	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	1TFT215_Z01	

James F. Collins, P.E.
Professional Engineer
State of Florida
No. 15242
Mar 14 '08

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 219 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/766A (W/H/SS/A) ASTM A653 GRADE 40/60 (H, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER. ITW BCG SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

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

(A) Continuous lateral bracing equally spaced on member.

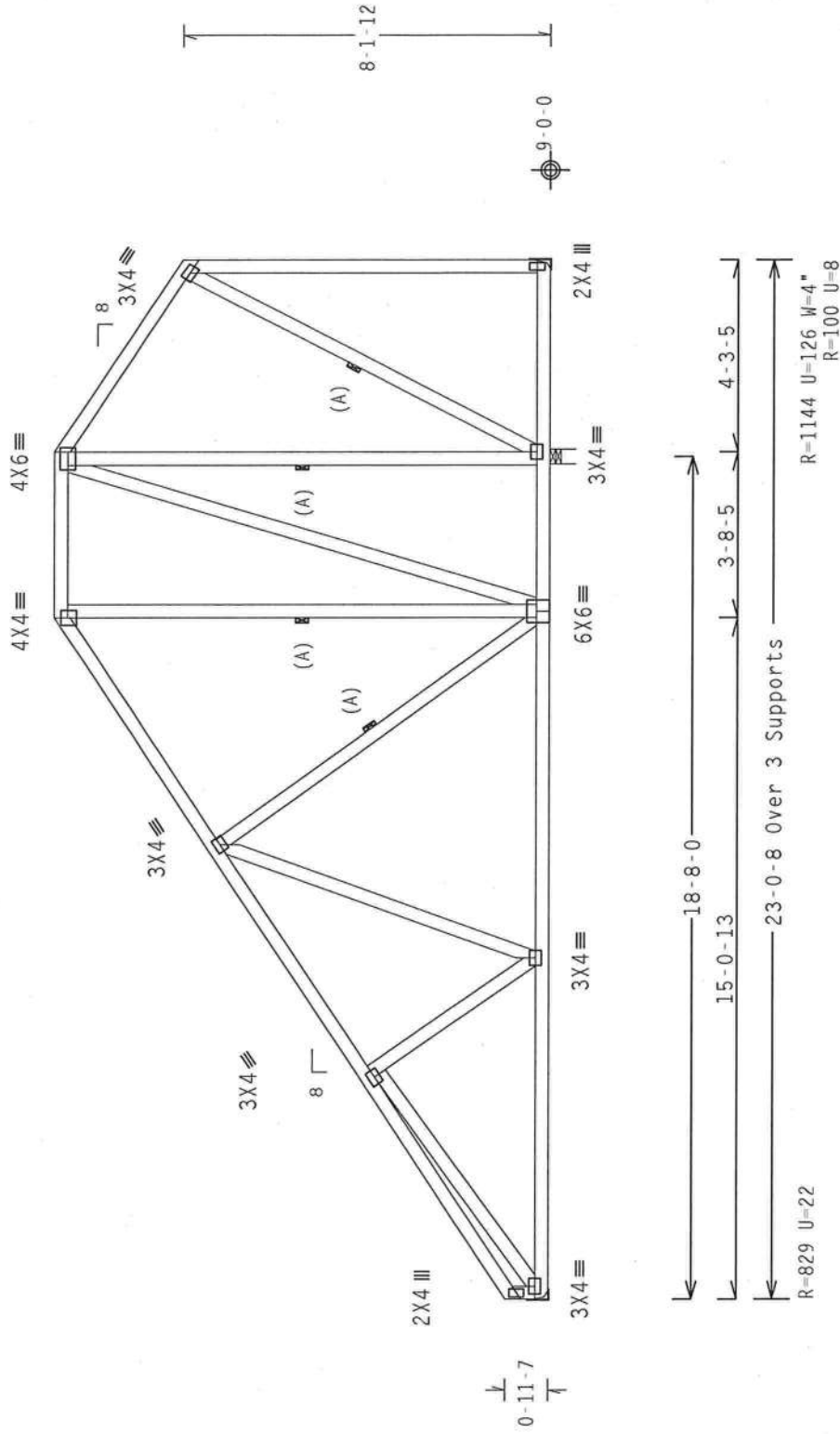
Wind reactions based on MWFRS pressures.

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

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 11-0-0.



Design Crit: TPI-2002(STD)/FBC

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

7.38.0810.03

QTY:1

FL/-5/-/-R/-

Scale = .25"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, (TRUSS PLANT INSTITUTE), 6300 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. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/166A (W4/H/SS/SK) ASTM A553 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 1604-2, 1604-3, 1604-4, 1604-5, 1604-6, 1604-7, 1604-8, 1604-9, 1604-10, 1604-11, 1604-12, 1604-13, 1604-14, 1604-15, 1604-16, 1604-17, 1604-18, 1604-19, 1604-20, 1604-21, 1604-22, 1604-23, 1604-24, 1604-25, 1604-26, 1604-27, 1604-28, 1604-29, 1604-30, 1604-31, 1604-32, 1604-33, 1604-34, 1604-35, 1604-36, 1604-37, 1604-38, 1604-39, 1604-40, 1604-41, 1604-42, 1604-43, 1604-44, 1604-45, 1604-46, 1604-47, 1604-48, 1604-49, 1604-50, 1604-51, 1604-52, 1604-53, 1604-54, 1604-55, 1604-56, 1604-57, 1604-58, 1604-59, 1604-60, 1604-61, 1604-62, 1604-63, 1604-64, 1604-65, 1604-66, 1604-67, 1604-68, 1604-69, 1604-70, 1604-71, 1604-72, 1604-73, 1604-74, 1604-75, 1604-76, 1604-77, 1604-78, 1604-79, 1604-80, 1604-81, 1604-82, 1604-83, 1604-84, 1604-85, 1604-86, 1604-87, 1604-88, 1604-89, 1604-90, 1604-91, 1604-92, 1604-93, 1604-94, 1604-95, 1604-96, 1604-97, 1604-98, 1604-99, 1604-100. A SEAL ON THIS DESIGN SHOWN INDICATES THE SUITABILITY AND ANDE OF THIS COMPONENT FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

PLT TYP. Wave

ITW Building Components Group Inc.

Haines City, FL 33844

FL Certificate of Authorization # 0278

JAMES F. COLLINGS JR.

Professional Engineer

STATE OF FLORIDA

Professional Engineer

Ma

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

REF R215--

82390

DATE

03/14/08

DRW HCUSR215

08074009

HC-ENG

SSB/AP

SEQN-

222179

DUR.FAC.

1.25

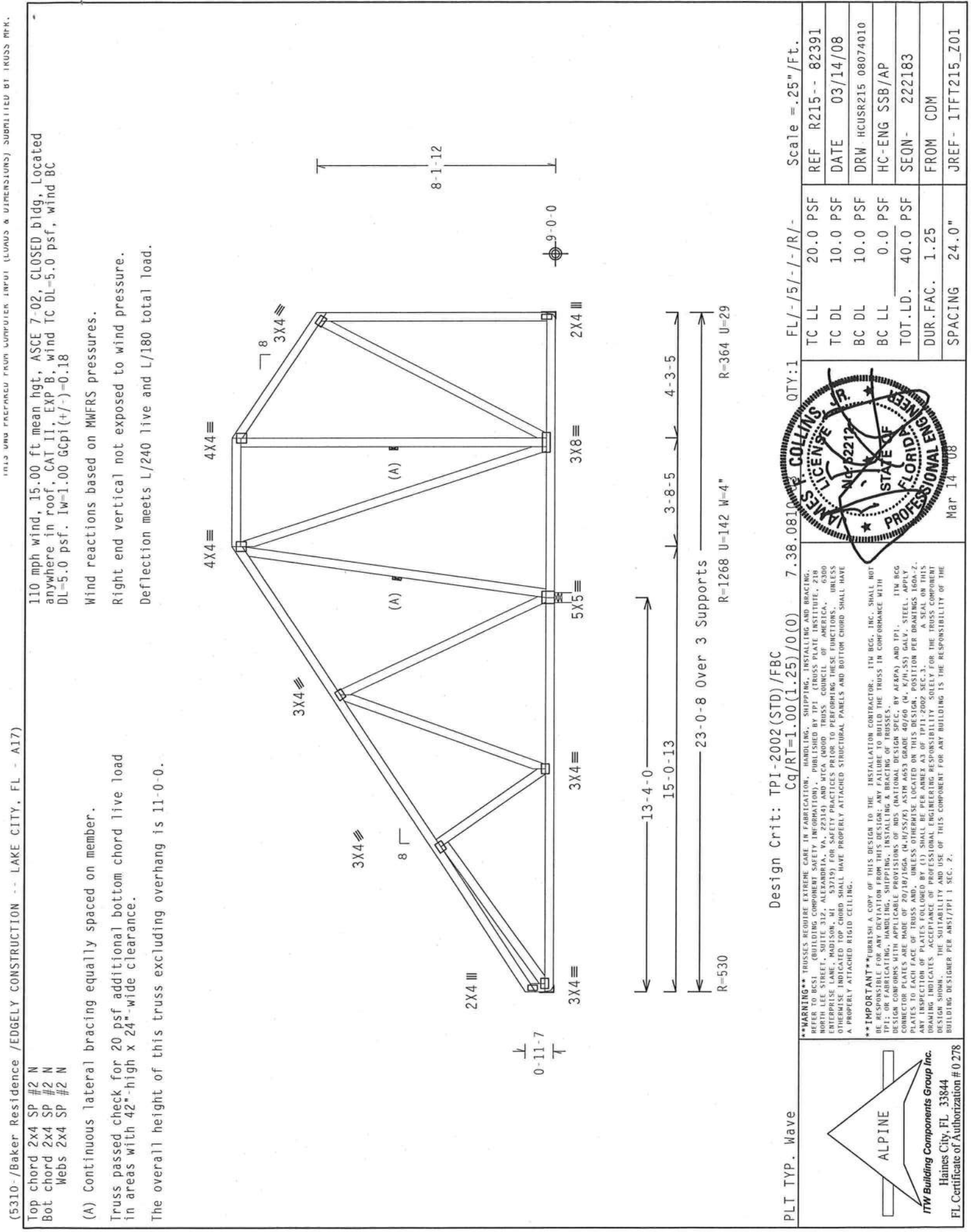
SPACING

24.0"

FROM CDM

JREF-

1TFT215_Z01



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

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 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. $I_w=1.00$ GCFI (+/-)=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) 7.38.0810

PLT TYP. Wave

Scale = .25" / Ft.

REF	DATE	DRW	HC-ENG	SEQN	FROM	JREF
R215--	82391	03/14/08	HCUSR215	08074010	CDM	1TFT215_Z01
TC LL	20.0 PSF					
TC DL	10.0 PSF					
BC DL	10.0 PSF					
BC LL	0.0 PSF					
TOT.LD.	40.0 PSF					
DUR.FAC.	1.25					
SPACING	24.0"					

FL / - / 5 / - / R / -

QTY: 1

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

13-4-0

15-0-13

23-0-8 Over 3 Supports

R-530

R=1268 U=142 W=4"

R=364 U=29

0-11-7

8'-1"

8'-0-0

4x4

4x4

3x4

3x4

3x4

3x4

3x4

3x8

2x4

5x5

0-11-7

8'-1"

8'-0-0

4x4

4x4

3x4

3x4

3x4

3x4

3x4

3x8

2x4

5x5

0-11-7

8'-1"

8'-0-0

4x4

4x4

3x4

3x4

3x4

3x4

3x4

3x8

2x4

5x5

0-11-7

8'-1"

8'-0-0

(5310-/Baker Residence /EDGEY CONSTRUCTION -- LAKE CITY, FL - PBA1)

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

110 mph wind, 20.45 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=2.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MMFRS pressures.

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

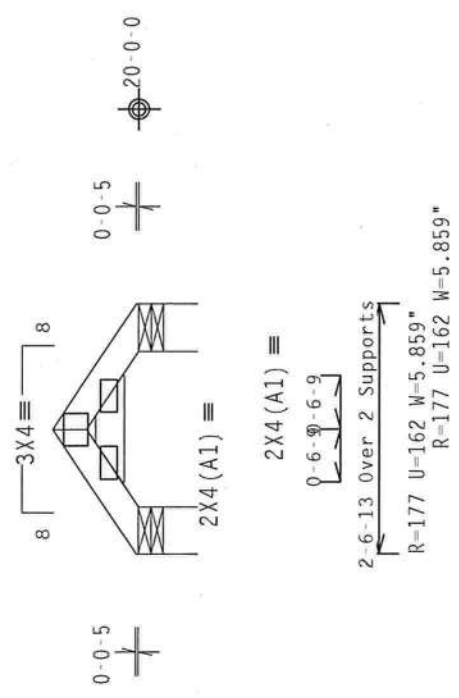
Refer to drawing PIGBACKB0207for piggyback detail.
Top chord of supporting truss under piggyback to be braced @ 24" O.C., unless otherwise specified.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -0.74 to 64 PLF at 0.54
TC - From 64 PLF at 0.54 to 64 PLF at 1.83
BC - From 4 PLF at -0.74 to 4 PLF at 1.83

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 0.00 PSF. Top chord must not be cut or notched.

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

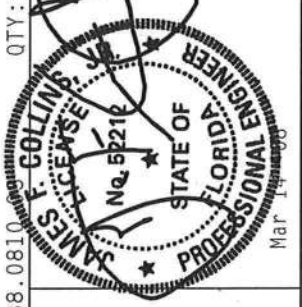


Design Crit: TPI-2002(STD)/FBC

****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, 214 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. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/AS) GALV. STEEL. APPLY CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/55/K) ASTM A653 GRADE 40/60 (4, K/M-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL TO EACH DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS. THIS 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	QTY: 1	FL / - / 5 / - / - / R / -	Scale = .5" / Ft.
REF	R215 - -	82393	
DATE	03/14/08		
DRW	HCUSR215	08074012	
HC-ENG	SSB/AP		
SEQN	222247		
FROM	CDM		
JREF	1TFT215_Z01		



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

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

110 mph wind, 21.63 ft mean hot, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $I_w=1.00$ GCpi (v_f)-0.18

Wind reactions based on MWFRS pressures.

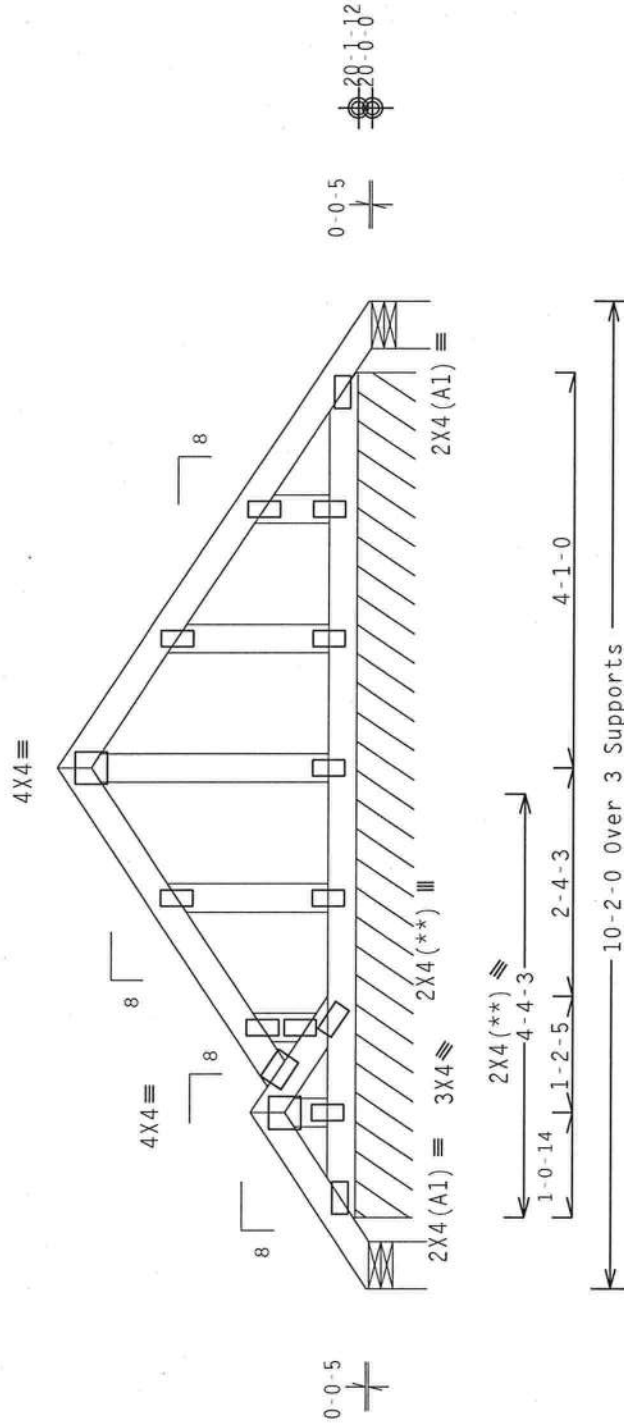
Refer to drawing PIGBACK0207 for piggyback detail.
Top chord of supporting truss under piggyback to be
braced @ 24" O.C., unless otherwise specified.

SPECIAL LOADS

		LUMBER		DUR.FAC.=1.25		PLATE		DUR.FAC.=1.25	
TC	- From	64	PLF at -0.74	to	64	PLF at 1.07			
TC	- From	64	PLF at 1.07	to	64	PLF at 1.33			
TC	- From	64	PLF at 1.33	to	64	PLF at 4.61			
TC	- From	64	PLF at 4.61	to	64	PLF at 9.43			
BC	- From	64	PLF at -0.74	to	64	PLF at 9.43			

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

The overall height of this truss excluding overhang is 3-2-14.



R=20 RW=44 II=40 W=5 859"

R=72 PLF U=21 PLF W=8-8-5

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7-38-0810

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

Scale = .5"/Ft.

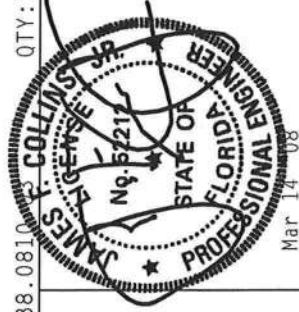
[illegible]

ALPINE

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Haines City, FL 33844

FL Certificate of Authorization # 0 278



Mar 14 08

JREF- 1TFT215_Z01

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

1110 mph wind. 21.81 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=2.0 psf. Iw=1.00 GCpi (+/-)=0.18

Bottom chord checked for additional 20-psf live load in areas with 42"-high x 24"-wide clearance.

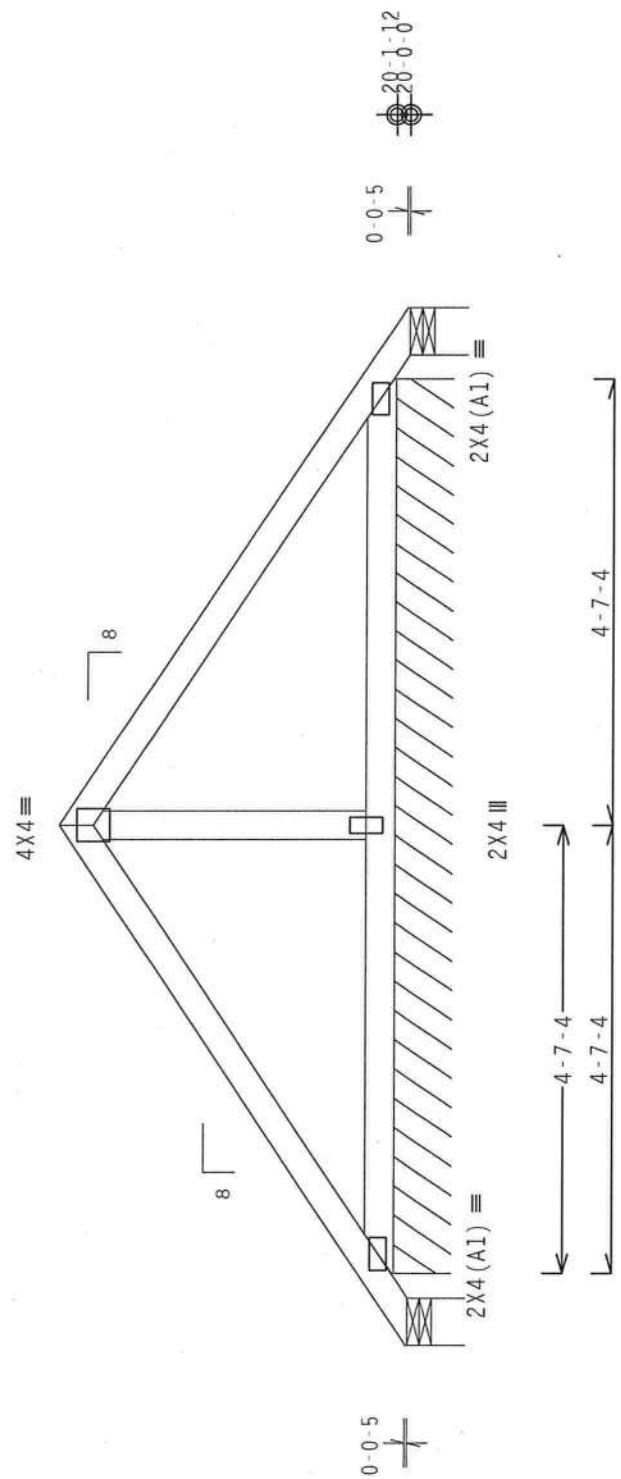
Refer to drawing PIGBACKB0207 for piggyback detail.
Top chord of supporting truss under piggyback to be
braced @ 24" O.C., unless otherwise specified.

SPECIAL LOADS

TC	-	From	64 PLF at -0.74	to	64 PLF at 4.61
TC	-	From	64 PLF at -0.74	to	64 PLF at 9.95
BC	-	From	4 PLF at -0.74	to	4 PLF at 9.95

Wind reactions based on MWFRS pressures.

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



R=-81 RW=82 U=95 W=5.859"
D=02 D1E U=22 D1E U=0 2 0

Design Crit: TPI-2002(STD)/FBC

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

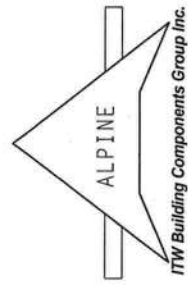
Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R215 -	82396
TC DL	10.0	PSF	DATE	03/14/08	
BC DL	10.0	PSF	DRW	HCUSR215	08074028
BC LL	0.0	PSF	HC-ENG	SSB/AP	
TOT.LD.	40.0	PSF	SEAN -	18545	REV
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF -	1TFT215_Z01	



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****IMPORTANT**** TURNED A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY INSTALLATION ERRORS OR OMISSIONS. THE TRUSS IN CONFORMANCE WITH THE DESIGN COMING WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ACP&PA) AND TP1. THE BCG DESIGN COMINGS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ACP&PA) AND TP1. THE BCG CONNECTOR PLATES ARE MADE OF 2018/18/18GA (M/55/5K) ASTM A663 GRADE 40/60 (M, K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA AX OF TP1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1-1 SEC. 2.



Haines City, FL 33844
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Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

110 mph wind, 16.09 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, wind BW GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

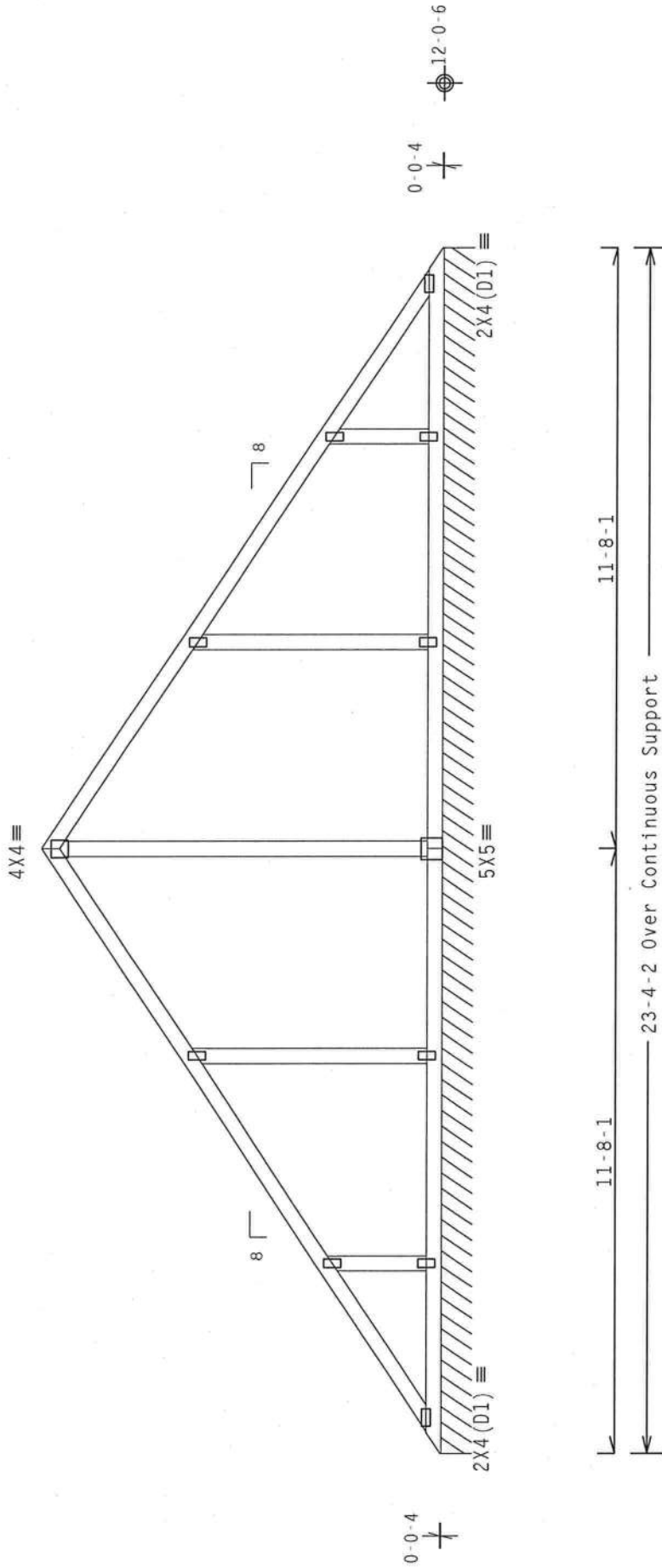
See DWG VALTRUSS0207 for valley details.

SPECIAL LOADS

	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)			
TC - From	64 PLF at 0.43	to	64 PLF at 11.67	
TC - From	64 PLF at 11.67	to	64 PLF at 22.91	
BC - From	80 PLF at 0.00	to	80 PLF at 0.43	
BC - From	20 PLF at 0.43	to	20 PLF at 22.91	
BC - From	80 PLF at 22.91	to	80 PLF at 23.34	

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

The overall height of this truss excluding overhang is 7-9-10.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

Scale = .3125"/Ft.

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

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

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PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION. PUBLISHED BY (BRUSS PLATE INSTITUTE, 2100 ENTERPRISE LANE, WADSWORTH, IL 60093) AND (BRUSS GROUP, INC., 6300 BRUSS DRIVE, ST. LOUIS, MO 63110). UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

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(5310-)/Baker Residence /EDGEY CONSTRUCTION -- LAKE CITY, FL - V2)

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

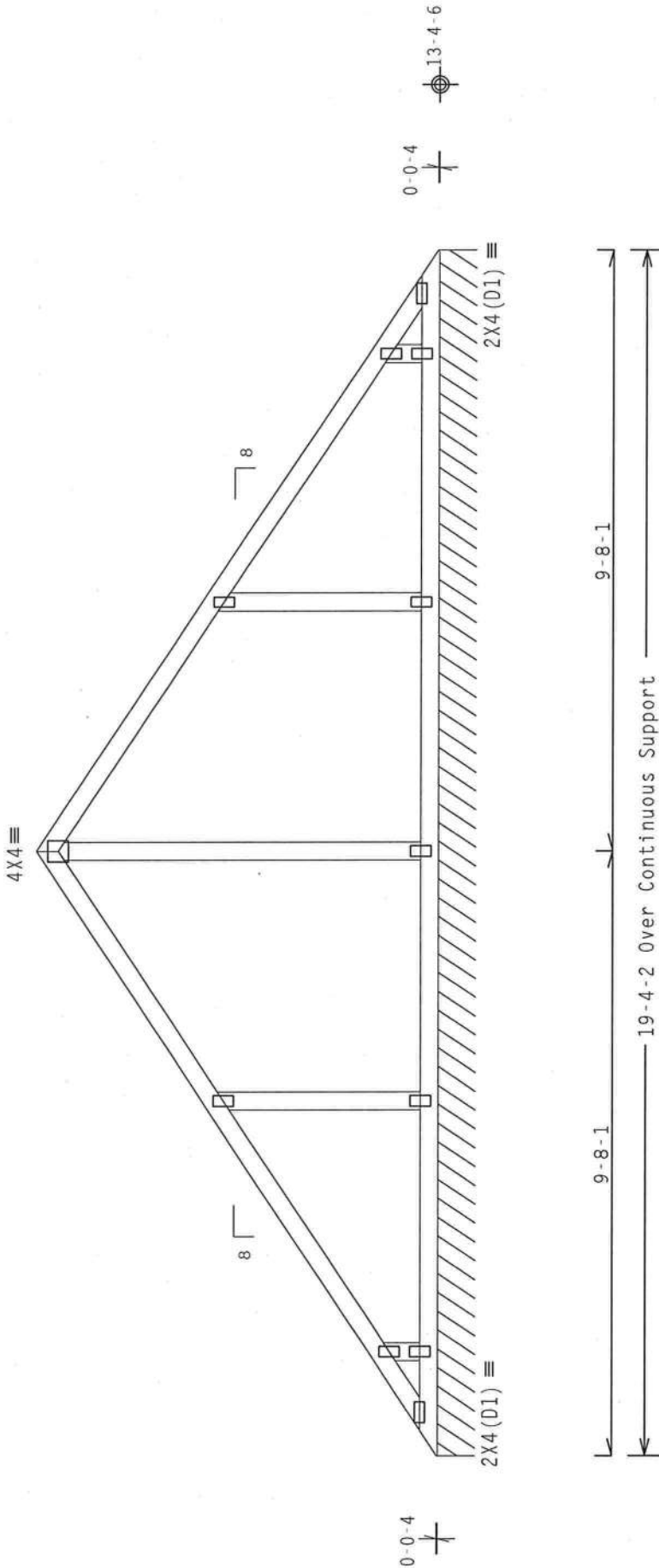
110 mph wind, 16.75 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

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

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.

The overall height of this truss excluding overhang is 6-5-10.



R=84 PLF U=8 PLF W=19-4-2

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

7.38.0810

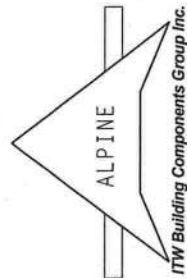
QTY:1

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

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER. THE TRUSS IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/166A (W-H/SS/4) ASTM A653 GRADE 40/60 (W. F/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 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 ANSI/TPI 1 SEC. 2.



FL Certificate of Authorization # 0278



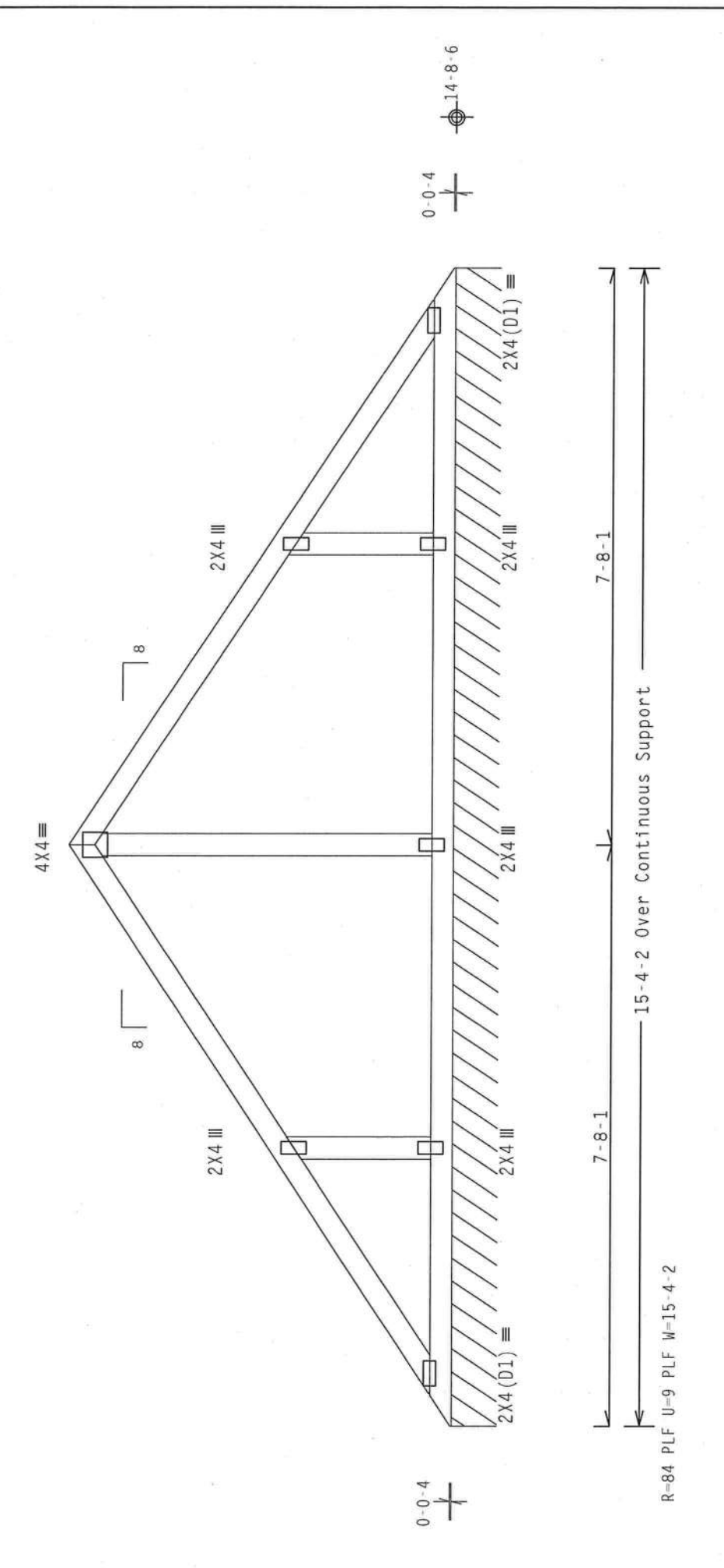
REF	R215--	82398
DATE	03/14/08	
DRW	HCUSR215	08074020
HC-ENG	SSB/AP	*
SEQN-	222287	
FROM	CDM	
JREF-	1TFT215_Z01	

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

Deflection meets L/240 live and L/180 total load.
See DWG VALTRUSS0207 for valley details.

110 mph wind, 17.42 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.
The overall height of this truss excluding overhang is 5-1-10.



PLT TYP. Wave

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

7.38.0810.02

QTY:1

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

Scale = 5"/Ft.

TC LL	20.0 PSF	REF	R215--	82399
TC DL	10.0 PSF	DATE	03/14/08	
BC DL	10.0 PSF	DRW	HCUSR215	08074021
BC LL	0.0 PSF	HC-ENG	SSB/AP	*
TOT.LD.	40.0 PSF	SEQN-	222290	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1TFT215_Z01	

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 16222
Mar 14 2008

****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, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

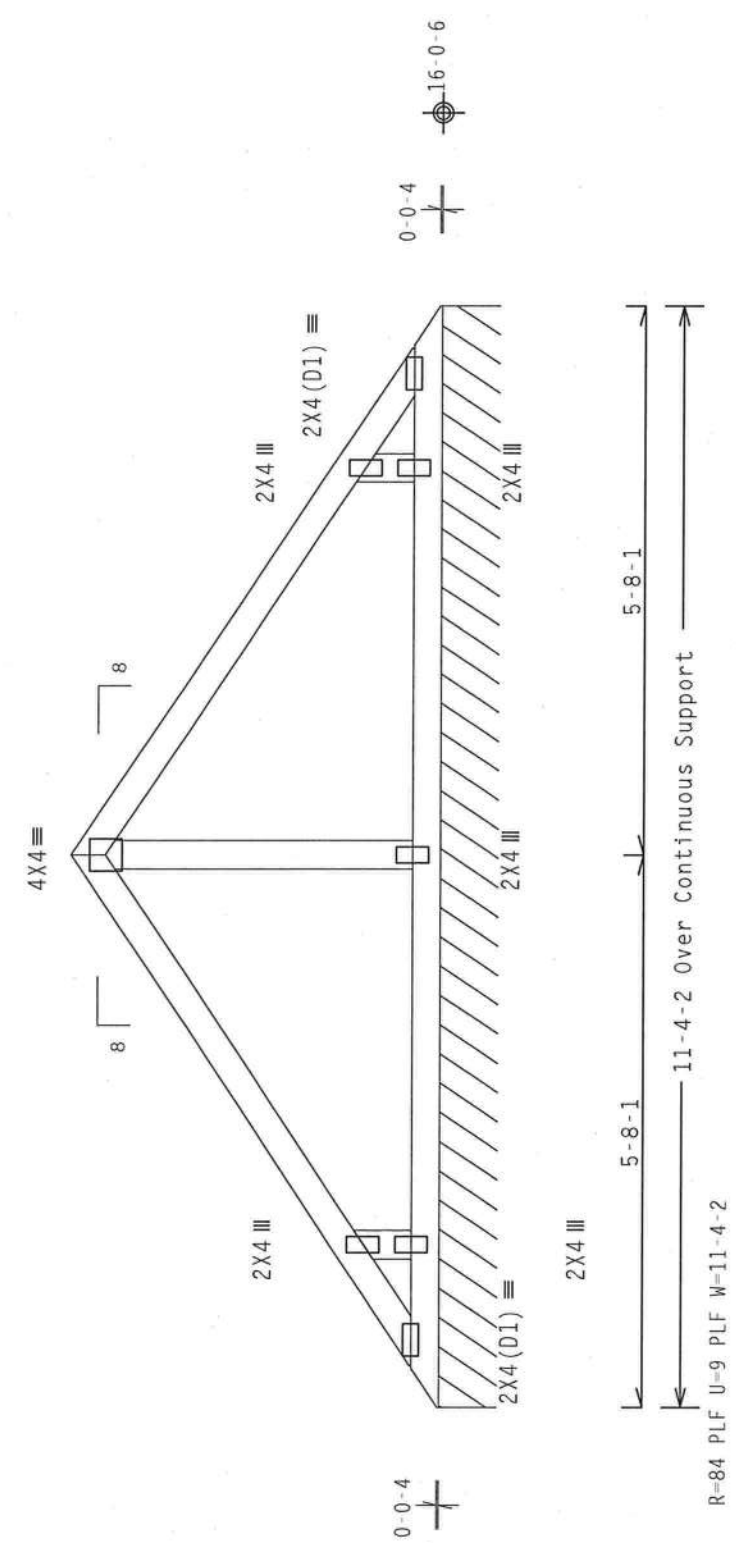
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BCG SHALL APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSTERIOR PER DRAMETER. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.2.3. 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

Deflection meets L/240 live and L/180 total load.
See DWG VALTRUSS0207 for valley details.

110 mph wind, 18.09 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.
The overall height of this truss excluding overhang is 3-9-10.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810

Scale = .5"/Ft.

QTY:1

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

REF R215-- 82400
DATE 03/14/08
DRW HCUSR215 08074022
HC-ENG SSB/AP
SEQN- 222293
FROM CDM
JREF- 1TFT215_Z01

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization #0278

JAMES F. GOLLINS, JR.
No. 62712
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Mar 14 2008

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESIDENTIAL BUILDING COMPONENT SAFETY INFORMATION (RBCSI) FOR TRUSS SAFETY INFORMATION. RBCSI IS AVAILABLE AT: 6300 ENTERPRISE LANE, MADISON, MI 48071 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI1. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/SS/K) ASTM A653 GRADE 40/60 (4, 8/16-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING SHOWS THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI1 SEC. 2.

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

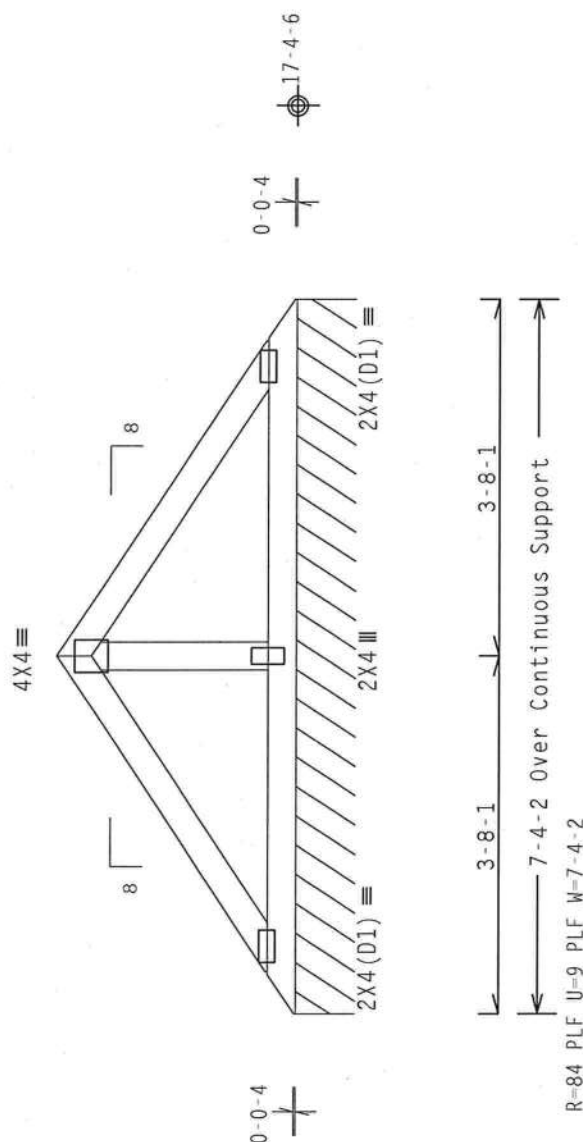
110 mph wind, 18.75 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $lw=1.00$ GCFI(+/-)=0.18

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

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.

The overall height of this truss excluding overhang is 2-5-10.



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

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

PLT TYP. Wave

[illegible]

(5310-/Baker Residence /EDGEY CONSTRUCTION -- LAKE CITY, FL - V6)

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

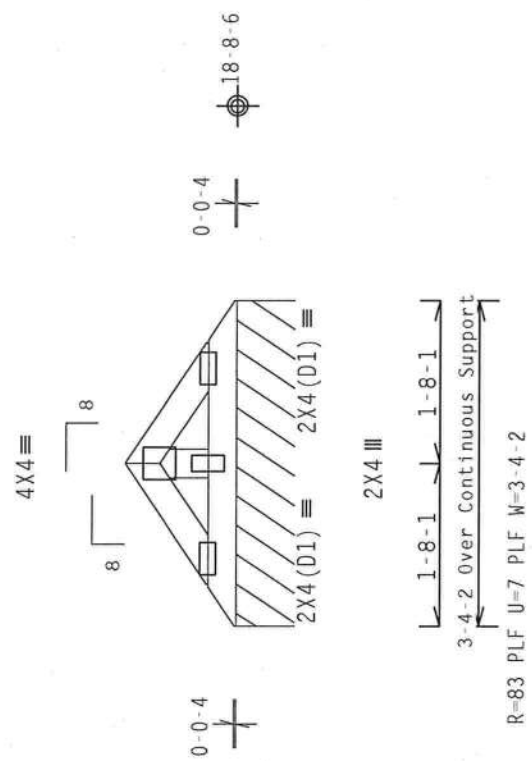
Deflection meets L/240 live and L/180 total load.

See DWG VALTRUSS0207 for valley details.

110 mph wind, 19.42 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

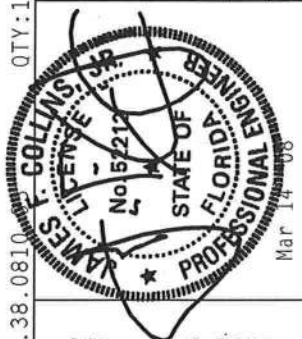
Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 1-1-10.



Design Crit: TPI-2002(STD)/FBC

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



ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

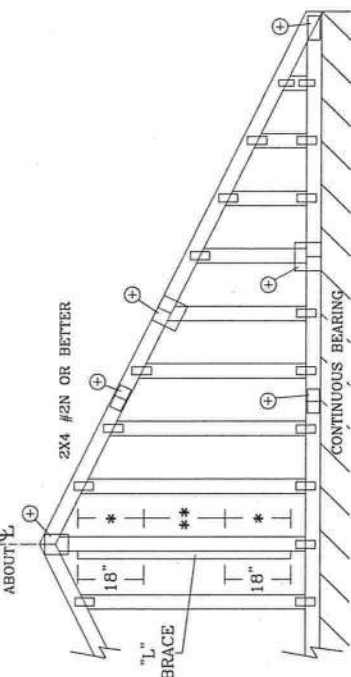
MAX GABLE VERTICAL LENGTH																						
2X4 GABLE VERTICAL SPACING	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE •				(1) 2X4 "L" BRACE •				(2) 2X4 "L" BRACE ••				(1) 2X6 "L" BRACE •				(2) 2X6 "L" BRACE •			
			GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B		
12" O.C.	SPF	#1 / #2	3' 10"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"										
	HF	#3	3' 9"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	14' 0"	14' 0"											
	STUD	STUD	3' 9"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	14' 0"	14' 0"											
	STANDARD	STANDARD	3' 9"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	14' 0"	14' 0"											
16" O.C.	SP	#1	4' 3"	6' 8"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"										
	STUD	#2	4' 2"	6' 8"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"										
	DFL	#3	4' 0"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"										
	STANDARD	STUD	4' 0"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"										
24" O.C.	SPF	#1 / #2	3' 10"	5' 3"	6' 11"	6' 11"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"										
	HF	#3	4' 5"	7' 8"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"										
	STUD	STUD	4' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"										
	STANDARD	STANDARD	4' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	14' 0"	14' 0"	14' 0"										
12" O.C.	SP	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"										
	STUD	#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"										
	DFL	#3	4' 6"	7' 7"	8' 3"	9' 1"	9' 6"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"										
	STANDARD	STUD	4' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	14' 0"	14' 0"	14' 0"										
16" O.C.	SPF	#1 / #2	4' 11"	8' 5"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"										
	HF	#3	4' 9"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"										
	STUD	STUD	4' 9"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"										
	STANDARD	STANDARD	4' 9"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"										
24" O.C.	SP	#1	5' 4"	8' 5"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"										
	STUD	#2	5' 3"	8' 5"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"										
	DFL	#3	5' 0"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"										
	STANDARD	STUD	4' 11"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"										

BRACING GROUP SPECIES AND GRADES:	
GROUP A:	
SPRUCE-PINE-FIR	HEM-FIR
#1 / #2 STANDARD	#2 STUD
#3 STUD	STANDARD
GROUP B:	
DOUGLAS FIR-LARCH	SOUTHERN PINE
#3 STUD	#3 STUD
STANDARD	STANDARD

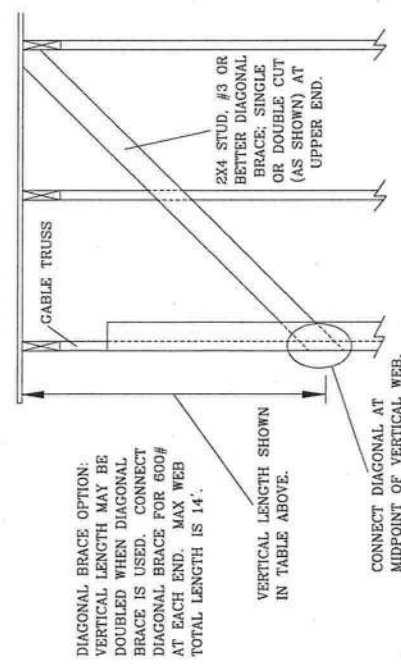
GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.
PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2-5X4
+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.	

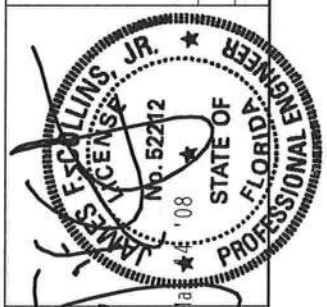


REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.



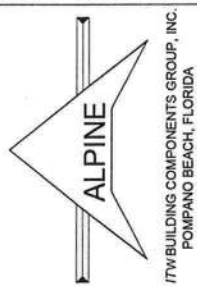
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WTC (WOOD TRUSS CONNECTIONS) PUBLISHED BY WOODWORKING RESEARCH INSTITUTE, 1000 WOODBURN AVENUE, SUITE 100, WOODBURN, NJ 07095, FOR ADDITIONAL INFORMATION ON TRUSS CONNECTIONS AND BRACING. UNLESS OTHERWISE INDICATED, TOP CHORDS 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 TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CHORDS AND BRACING MUST BE INSTALLED IN ACCORDANCE WITH THE TPI TRUSS PLATE INSTITUTE (TPI) TRUSS CONNECTIONS (TTC) AND WTC (WOOD TRUSS CONNECTIONS) PUBLISHED BY WOODWORKING RESEARCH INSTITUTE, 1000 WOODBURN AVENUE, SUITE 100, WOODBURN, NJ 07095. GALV. STEEL APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL IN THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



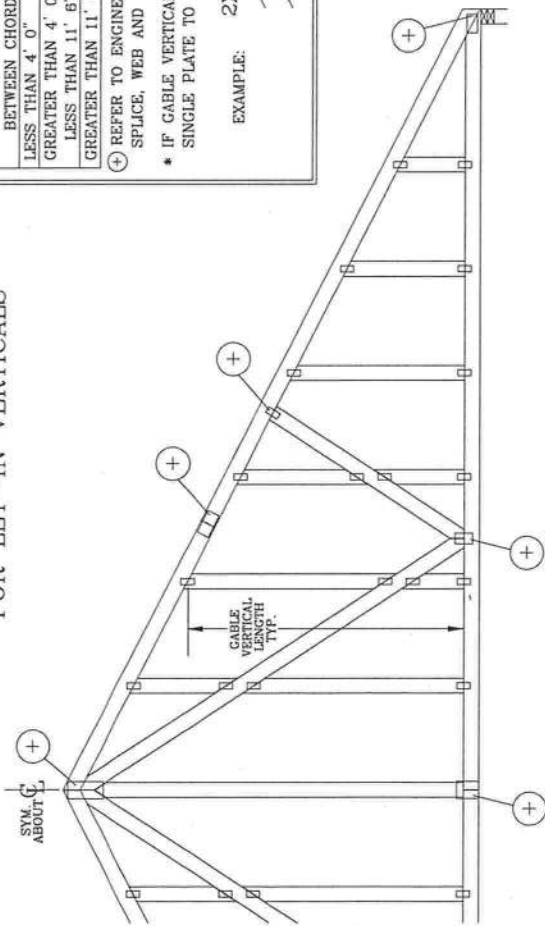
REF	ASCE7-02-GAB1015
DATE	2/23/07
DRWG	A11015EE0207
	-ENG

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



ITV BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

GABLE DETAIL FOR LET-IN VERTICALS



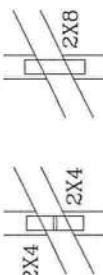
GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK,
SPICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A
SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

10d COMMON (0.148" X 3.1" MIN) TOENAILS AT 4" O.C. PLUS

(4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:

8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS

(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE
OR SBCCI WIND LOAD.

ASCE 7-93 GABLE DETAIL DRAWINGS

A10015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207,

A10030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08015EC0207,

A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08030EC0207

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08015EE0207,

A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08030EE0207

ASCE 7-05 GABLE DETAIL DRAWINGS

A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08015E50207,

A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08030E50207

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI

WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE

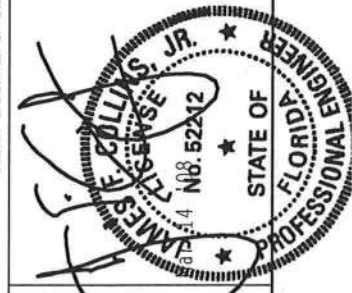
VERTICAL LENGTH.

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

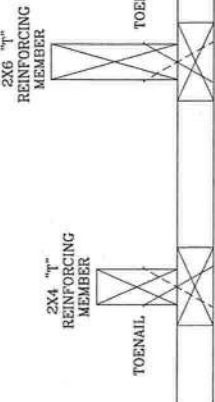
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG INC. SHALL
NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN ANY FAILURE TO BUILD THE TRUSSES IN
CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND PL.
ITV, BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA C/A/SS/PO ASTM A653 GRADE 40/60 (A/K/H/SS)
GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS
DESIGN, 20/18/16GA C/A/SS/PO ASTM A653 GRADE 40/60 (A/K/H/SS) GALV. STEEL. PERMANENT
ASSIGN, 20/18/16GA C/A/SS/PO ASTM A653 GRADE 40/60 (A/K/H/SS) GALV. STEEL. PERMANENT
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.

THIS DRAWING REPLACES DRAWINGS GAB98117 876.719 & HC26294035

REF	LET-IN VERT
DATE	2/23/07
DRWG	GBLETTIN0207
-ENG	DLI/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"



ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS,
MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE
VERTICAL SPECIES, GRADE AND SPACING) FOR (1)
2X4 "L" BRACE, GROUP A, OBTAINED FROM THE
APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR
SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL
LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
110 MPH	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
110 MPH	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
100 MPH	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
90 MPH	2x4	20 %	10 %
90 MPH	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
90 MPH	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
80 MPH	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
80 MPH	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
70 MPH	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
70 MPH	2x6	10 %	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

CABLE VERTICAL = 24" O.C. SP #3

"T" REINFORCING MEMBER SIZE = 2X4

"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10

(1) 2X4 "L" BRACE LENGTH = 6' 7"

MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH

1.10 x 6' 7" = 7' 3"

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

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

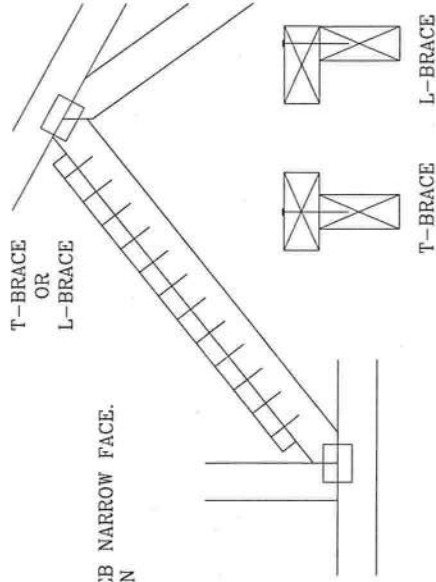
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

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

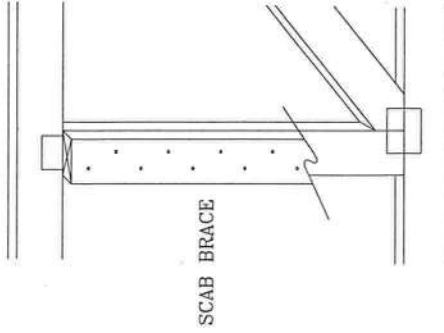


T-BRACE

L-BRACE

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



SCAB BRACE

THIS DRAWING REPLACES DRAWING 579,640

 ALPINE BUILDING COMPONENTS GROUP, INC. POMPANO BEACH, FLORIDA	***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 VITCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THE FUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.				TC LL	PSF	REF	CLB SUBST.
	IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN ANY FAILURE TO BUILD THE TRUSS TO CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI (TRUSS PLATE INSTITUTE) AND ITW BCG CONNECTIONS. ITW BCG CONNECTIONS ARE MADE UP OF 20/18/16GA (W/A/SS/PO) ASH A653 GRADE 40/60 (W/A/H/SS). ITW BCG CONNECTIONS ARE MADE UP OF 20/18/16GA (W/A/SS/PO) ASH A653 GRADE 40/60 (W/A/H/SS). DESIGN, PRESTICTION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWS BY SUBMITTING PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSII/TPI 1 SEC. 2.				TC DL	PSF	DATE	2/23/07
					BC DL	PSF	DRWG	BRCBLSUB0207
					BC LL	PSF	-ENG	MLH/KAR
					TOT. LD.	PSF		
				DUR. FAC.				
				SPACING				

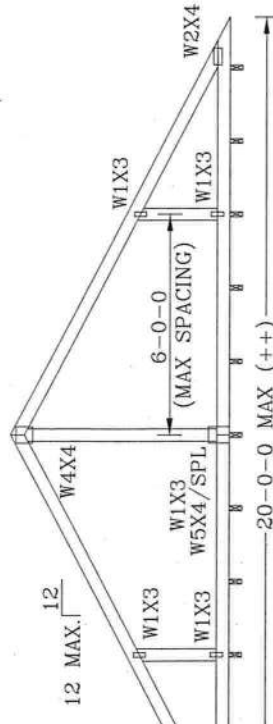
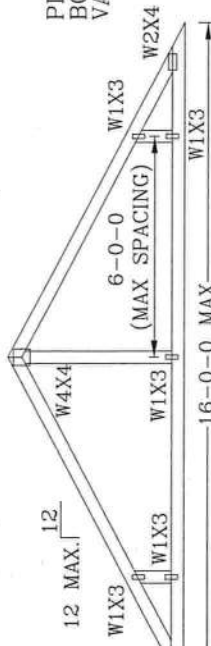
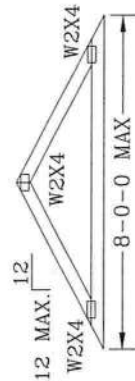
VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.
BOT CHORD 2X3(*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.
WEBS 2X4 SP #3 OR BETTER.

* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:
(2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR
SBC 110 MPH, ASCE 7-93 110 MPH OR ASCE 7-98,
ASCE 7-02 OR ASCE 7-05 130 MPH. 15' MEAN
HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL,
WIND TC DL=5 PSF

CUT FROM 2X6 OR
LARGER AS REQ'D.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.

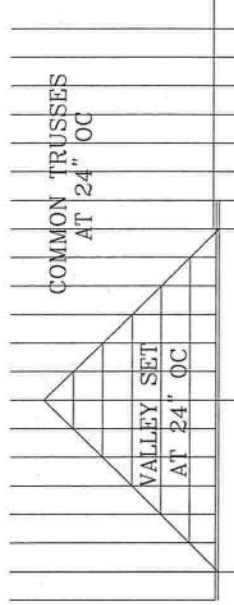
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS
BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES
NOT EXCEED 12'0".

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



OPTIONAL STUB
END DETAIL

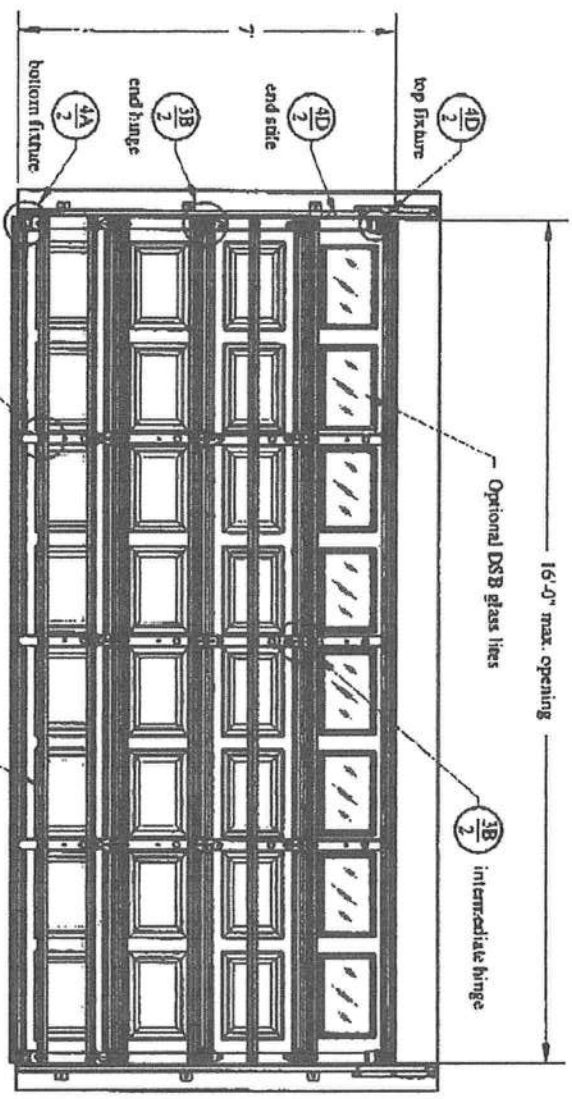


COMMON TRUSSES
AT 24" OC

THIS DRAWING REPLACES DRAWING A105

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 WCA (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.

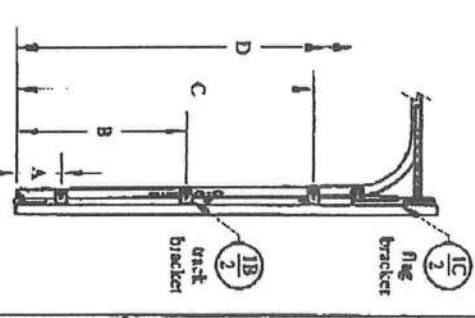
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL
NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN
CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND PL
ITV, BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA C/V/H/SS/KO ASTM A653 GRADE 40/60 (V/K/H/SS)
GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS
ANNEAL, 42, 130, 150, 170, 190, 210, 230, 250, 270, 290, 310, 330, 350, 370, 390, 410, 430, 450, 470, 490, 510, 530, 550, 570, 590, 610, 630, 650, 670, 690, 710, 730, 750, 770, 790, 810, 830, 850, 870, 890, 910, 930, 950, 970, 990, 1010, 1030, 1050, 1070, 1090, 1110, 1130, 1150, 1170, 1190, 1210, 1230, 1250, 1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610, 1630, 1650, 1670, 1690, 1710, 1730, 1750, 1770, 1790, 1810, 1830, 1850, 1870, 1890, 1910, 1930, 1950, 1970, 1990, 2010, 2030, 2050, 2070, 2090, 2110, 2130, 2150, 2170, 2190, 2210, 2230, 2250, 2270, 2290, 2310, 2330, 2350, 2370, 2390, 2410, 2430, 2450, 2470, 2490, 2510, 2530, 2550, 2570, 2590, 2610, 2630, 2650, 2670, 2690, 2710, 2730, 2750, 2770, 2790, 2810, 2830, 2850, 2870, 2890, 2910, 2930, 2950, 2970, 2990, 3010, 3030, 3050, 3070, 3090, 3110, 3130, 3150, 3170, 3190, 3210, 3230, 3250, 3270, 3290, 3310, 3330, 3350, 3370, 3390, 3410, 3430, 3450, 3470, 3490, 3510, 3530, 3550, 3570, 3590, 3610, 3630, 3650, 3670, 3690, 3710, 3730, 3750, 3770, 3790, 3810, 3830, 3850, 3870, 3890, 3910, 3930, 3950, 3970, 3990, 4010, 4030, 4050, 4070, 4090, 4110, 4130, 4150, 4170, 4190, 4210, 4230, 4250, 4270, 4290, 4310, 4330, 4350, 4370, 4390, 4410, 4430, 4450, 4470, 4490, 4510, 4530, 4550, 4570, 4590, 4610, 4630, 4650, 4670, 4690, 4710, 4730, 4750, 4770, 4790, 4810, 4830, 4850, 4870, 4890, 4910, 4930, 4950, 4970, 4990, 5010, 5030, 5050, 5070, 5090, 5110, 5130, 5150, 5170, 5190, 5210, 5230, 5250, 5270, 5290, 5310, 5330, 5350, 5370, 5390, 5410, 5430, 5450, 5470, 5490, 5510, 5530, 5550, 5570, 5590, 5610, 5630, 5650, 5670, 5690, 5710, 5730, 5750, 5770, 5790, 5810, 5830, 5850, 5870, 5890, 5910, 5930, 5950, 5970, 5990, 6010, 6030, 6050, 6070, 6090, 6110, 6130, 6150, 6170, 6190, 6210, 6230, 6250, 6270, 6290, 6310, 6330, 6350, 6370, 6390, 6410, 6430, 6450, 6470, 6490, 6510, 6530, 6550, 6570, 6590, 6610, 6630, 6650, 6670, 6690, 6710, 6730, 6750, 6770, 6790, 6810, 6830, 6850, 6870, 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Door Model	Gauge	Decimal
2250/2251	25	.0185
4230/4251	25	.0185
2240/2241	24	.0225
4240/4241	24	.0225
5240/5241	24	.0225

door height	quantity	unit	quantity	unit
6'-6" to 7'-0"	4	7	2	
7'-6" to 8'-0"	5	8	4	
8'-3" to 8'-9"	5	9	4	
9'-0" to 10'-6"	6	1	5	
10'-9" to 12'-3"	7	13	6	
12'-6" to 14'-0"	8	15	7	

Refer to Supplemental Instructions for strut placement on doors over 7'-0" high



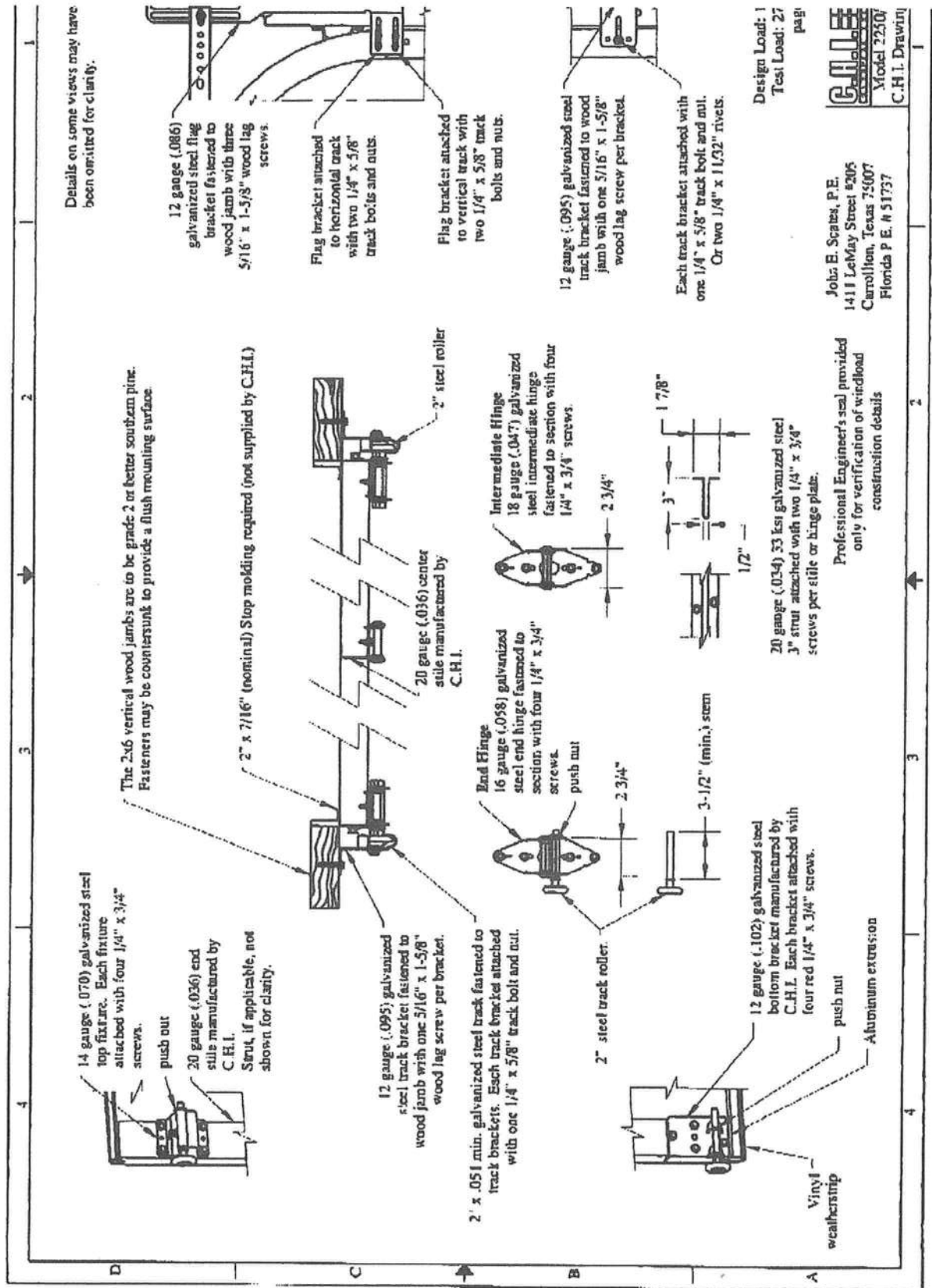
This door has been tested in accordance with ANSI/DASMA 108-2002
 Design Pressure (DP): 13.5 psf / 20.7 osf
 Test Pressure (TP): 27.8 psf / 31.1 osf
 Per 2004 FBC Table 1609.6E, DP meets or exceeds basic wind speed of:
 V = 110 MPH for Exposure B and mean roof height of 30' or less
 V = 93 MPH for Exposure C and mean roof height of 30' or less
 Maximum door size: 16'-0" wide by 14'-0" tall

Glazing and door have not been tested for windborne debris.

Wood back and supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing. If door is not electrically operated, a lock must be installed.

Professional Engineer's seal provided only for verification of windload construction details

John E. Sease, P.E.
 1411 LeMay Street #205
 Carrollton, Texas 75007
 Florida P.E. # 51737



Residential System Sizing Calculation

Summary

Baker, Kristy Residence
 , FL

Project Title:
 711264Baker,KristyResidence

Class 3 Rating
 Registration No. 0
 Climate: North

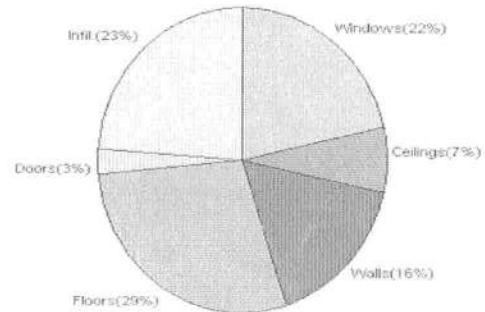
3/19/2008

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	36983 Btuh	Total cooling load calculation	29591 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	116.3 43000	Sensible (SHR = 0.75)	132.3 32250
Heat Pump + Auxiliary(0.0kW)	116.3 43000	Latent	205.9 10750
		Total (Electric Heat Pump)	145.3 43000

WINTER CALCULATIONS

Winter Heating Load (for 2158 sqft)

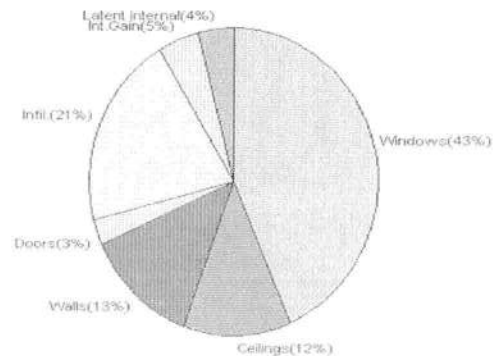
Load component		Load	
Window total	249 sqft	8015	Btuh
Wall total	1858 sqft	6102	Btuh
Door total	80 sqft	1036	Btuh
Ceiling total	2178 sqft	2566	Btuh
Floor total	243 sqft	10609	Btuh
Infiltration	214 cfm	8654	Btuh
Duct loss		0	Btuh
Subtotal		36983	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		36983	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2158 sqft)

Load component		Load	
Window total	249 sqft	12813	Btuh
Wall total	1858 sqft	3736	Btuh
Door total	80 sqft	784	Btuh
Ceiling total	2178 sqft	3607	Btuh
Floor total		0	Btuh
Infiltration	110 cfm	2048	Btuh
Internal gain		1380	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		24369	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		4022	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		5222	Btuh
TOTAL HEAT GAIN		29591	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *[Signature]*

DATE: 3-19-08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Baker, Kristy Residence

Project Title:

Class 3 Rating

711264Baker,KristyResidence

Registration No. 0

Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

3/19/2008

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	3.0		32.2	97 Btuh
2	2, Clear, Metal, 0.87	NW	45.0		32.2	1449 Btuh
3	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
4	2, Clear, Metal, 0.87	NW	20.0		32.2	644 Btuh
5	2, Clear, Metal, 0.87	NW	40.0		32.2	1288 Btuh
6	2, Clear, Metal, 0.87	NW	30.0		32.2	966 Btuh
7	2, Clear, Metal, 0.87	NE	3.0		32.2	97 Btuh
8	2, Clear, Metal, 0.87	SE	60.0		32.2	1931 Btuh
9	2, Clear, Metal, 0.87	SE	9.0		32.2	290 Btuh
10	2, Clear, Metal, 0.87	SW	16.0		32.2	515 Btuh
11	2, Clear, Metal, 0.87	SW	3.0		32.2	97 Btuh
Window Total			249(sqft)			8015 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1617		3.3	5310 Btuh
2	Frame - Wood - Adj(0.09)	13.0	241		3.3	791 Btuh
Wall Total			1858			6102 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		40		12.9	518 Btuh
Door Total			80			1036Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2178		1.2	2566 Btuh
Ceiling Total			2178			2566Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	243.0 ft(p)		43.7	10609 Btuh
Floor Total			243			10609 Btuh
Zone Envelope Subtotal:						28329 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	0.66	19422	213.6		8654 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					36983 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Baker, Kristy Residence

Project Title:

Class 3 Rating

711264Baker,KristyResidence

Registration No. 0

Climate: North

3/19/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	36983 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	36983 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Baker, Kristy Residence

Project Title:
711264Baker,KristyResidence

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

3/19/2008

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	3.0	32.2	97 Btuh
2	2, Clear, Metal, 0.87	NW	45.0	32.2	1449 Btuh
3	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
4	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	NW	40.0	32.2	1288 Btuh
6	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
7	2, Clear, Metal, 0.87	NE	3.0	32.2	97 Btuh
8	2, Clear, Metal, 0.87	SE	60.0	32.2	1931 Btuh
9	2, Clear, Metal, 0.87	SE	9.0	32.2	290 Btuh
10	2, Clear, Metal, 0.87	SW	16.0	32.2	515 Btuh
11	2, Clear, Metal, 0.87	SW	3.0	32.2	97 Btuh
Window Total			249(sqft)		8015 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1617	3.3	5310 Btuh
2	Frame - Wood - Adj(0.09)	13.0	241	3.3	791 Btuh
Wall Total			1858		6102 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		40	12.9	518 Btuh
Door Total			80		1036Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2178	1.2	2566 Btuh
Ceiling Total			2178		2566Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	243.0 ft(p)	43.7	10609 Btuh
Floor Total			243		10609 Btuh
Zone Envelope Subtotal:					28329 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.66	19422	213.6	8654 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				36983 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Baker, Kristy Residence

Project Title:

Class 3 Rating

711264Baker,KristyResidence

Registration No. 0

Climate: North

3/19/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	36983 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	36983 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Baker, Kristy Residence

Project Title:

711264Baker,KristyResidence

Class 3 Rating

Registration No. 0

Climate: North

, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

3/19/2008

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft	0ft.	3.0	0.0	3.0	29	60	180	Btuh
2	2, Clear, 0.87, None,N,N	NW	1.5ft	0ft.	45.0	0.0	45.0	29	60	2702	Btuh
3	2, Clear, 0.87, None,N,N	NW	1.5ft	6.5ft	20.0	0.0	20.0	29	60	1201	Btuh
4	2, Clear, 0.87, None,N,N	NW	1.5ft	6.5ft	20.0	0.0	20.0	29	60	1201	Btuh
5	2, Clear, 0.87, None,N,N	NW	9ft.	6.5ft	40.0	0.0	40.0	29	60	2401	Btuh
6	2, Clear, 0.87, None,N,N	NW	7ft.	6.5ft	30.0	0.0	30.0	29	60	1801	Btuh
7	2, Clear, 0.87, None,N,N	NE	1.5ft	2.5ft	3.0	0.0	3.0	29	60	180	Btuh
8	2, Clear, 0.87, None,N,N	SE	9ft.	6.5ft	60.0	60.0	0.0	29	63	1738	Btuh
9	2, Clear, 0.87, None,N,N	SE	1.5ft	4.5ft	9.0	3.1	5.9	29	63	460	Btuh
10	2, Clear, 0.87, None,N,N	SW	1.5ft	5.5ft	16.0	4.1	11.9	29	63	863	Btuh
11	2, Clear, 0.87, None,N,N	SW	1.5ft	2.5ft	3.0	3.0	0.0	29	63	87	Btuh
	Window Total				249 (sqft)					12813 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09			1617.0		2.1		3373 Btuh		
2	Frame - Wood - Adj	13.0/0.09			241.0		1.5		364 Btuh		
	Wall Total				1858 (sqft)				3736 Btuh		
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Adjacent				20.0		9.8		196 Btuh		
2	Insulated - Exterior				20.0		9.8		196 Btuh		
3	Insulated - Exterior				40.0		9.8		392 Btuh		
	Door Total				80 (sqft)				784 Btuh		
Ceilings	Type/Color/Surface	R-Value			Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle	30.0			2178.0		1.7		3607 Btuh		
	Ceiling Total				2178 (sqft)				3607 Btuh		
Floors	Type	R-Value			Size		HTM		Load		
1	Slab On Grade	0.0			243 (ft(p))		0.0		0 Btuh		
	Floor Total				243.0 (sqft)				0 Btuh		
	Zone Envelope Subtotal:									20941 Btuh	
Infiltration	Type	ACH			Volume(cuft)		CFM=		Load		
	SensibleNatural	0.34			19422		110.1		2048 Btuh		
Internal gain	Occupants			Btuh/occupant		Appliance		Load			
	6			X 230 +		0		1380 Btuh			
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									24369 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Baker, Kristy Residence

Project Title:

Class 3 Rating

711264 Baker, Kristy Residence

Registration No. 0

, FL

Climate: North

3/19/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	24369 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	24369 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	24369 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4022 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5222 Btuh
	TOTAL GAIN	29591 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Baker, Kristy Residence

Project Title:

711264Baker,KristyResidence

Class 3 Rating

Registration No. 0

Climate: North

, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

3/19/2008

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load			
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded				
1	2, Clear, 0.87, None,N,N	NW	1.5ft	0ft.	3.0	0.0	3.0	29	60	180	Btuh		
2	2, Clear, 0.87, None,N,N	NW	1.5ft	0ft.	45.0	0.0	45.0	29	60	2702	Btuh		
3	2, Clear, 0.87, None,N,N	NW	1.5ft	6.5ft	20.0	0.0	20.0	29	60	1201	Btuh		
4	2, Clear, 0.87, None,N,N	NW	1.5ft	6.5ft	20.0	0.0	20.0	29	60	1201	Btuh		
5	2, Clear, 0.87, None,N,N	NW	9ft.	6.5ft	40.0	0.0	40.0	29	60	2401	Btuh		
6	2, Clear, 0.87, None,N,N	NW	7ft.	6.5ft	30.0	0.0	30.0	29	60	1801	Btuh		
7	2, Clear, 0.87, None,N,N	NE	1.5ft	2.5ft	3.0	0.0	3.0	29	60	180	Btuh		
8	2, Clear, 0.87, None,N,N	SE	9ft.	6.5ft	60.0	60.0	0.0	29	63	1738	Btuh		
9	2, Clear, 0.87, None,N,N	SE	1.5ft	4.5ft	9.0	3.1	5.9	29	63	460	Btuh		
10	2, Clear, 0.87, None,N,N	SW	1.5ft	5.5ft	16.0	4.1	11.9	29	63	863	Btuh		
11	2, Clear, 0.87, None,N,N	SW	1.5ft	2.5ft	3.0	3.0	0.0	29	63	87	Btuh		
Window Total						249 (sqft)					12813	Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load			
	1	Frame - Wood - Ext			13.0/0.09			1617.0			2.1	3373	Btuh
	2	Frame - Wood - Adj			13.0/0.09			241.0			1.5	364	Btuh
	Wall Total						1858 (sqft)					3736	Btuh
Doors	Type				Area (sqft)			HTM		Load			
	1	Insulated - Adjacent			20.0			9.8		196		Btuh	
	2	Insulated - Exterior			20.0			9.8		196		Btuh	
	3	Insulated - Exterior			40.0			9.8		392		Btuh	
	Door Total						80 (sqft)					784	Btuh
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load			
	1	Vented Attic/DarkShingle			30.0			2178.0			1.7	3607	Btuh
	Ceiling Total						2178 (sqft)					3607	Btuh
Floors	Type	R-Value			Size			HTM		Load			
	1	Slab On Grade			0.0			243 (ft(p))			0.0	0	Btuh
	Floor Total						243.0 (sqft)					0	Btuh
	Zone Envelope Subtotal:									20941		Btuh	
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load			
	SensibleNatural			0.34			19422			110.1		2048	Btuh
Internal gain	Occupants			Btuh/occupant			Appliance		Load				
	6			X 230			+		0		1380		Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0		Btuh	
	Sensible Zone Load									24369		Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Baker, Kristy Residence

Project Title:

Class 3 Rating

711264 Baker, Kristy Residence

Registration No. 0

Climate: North

3/19/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	24369 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	24369 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	24369 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4022 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5222 Btuh
	TOTAL GAIN	29591 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Baker, Kristy Residence

Project Title:
711264Baker,KristyResidence

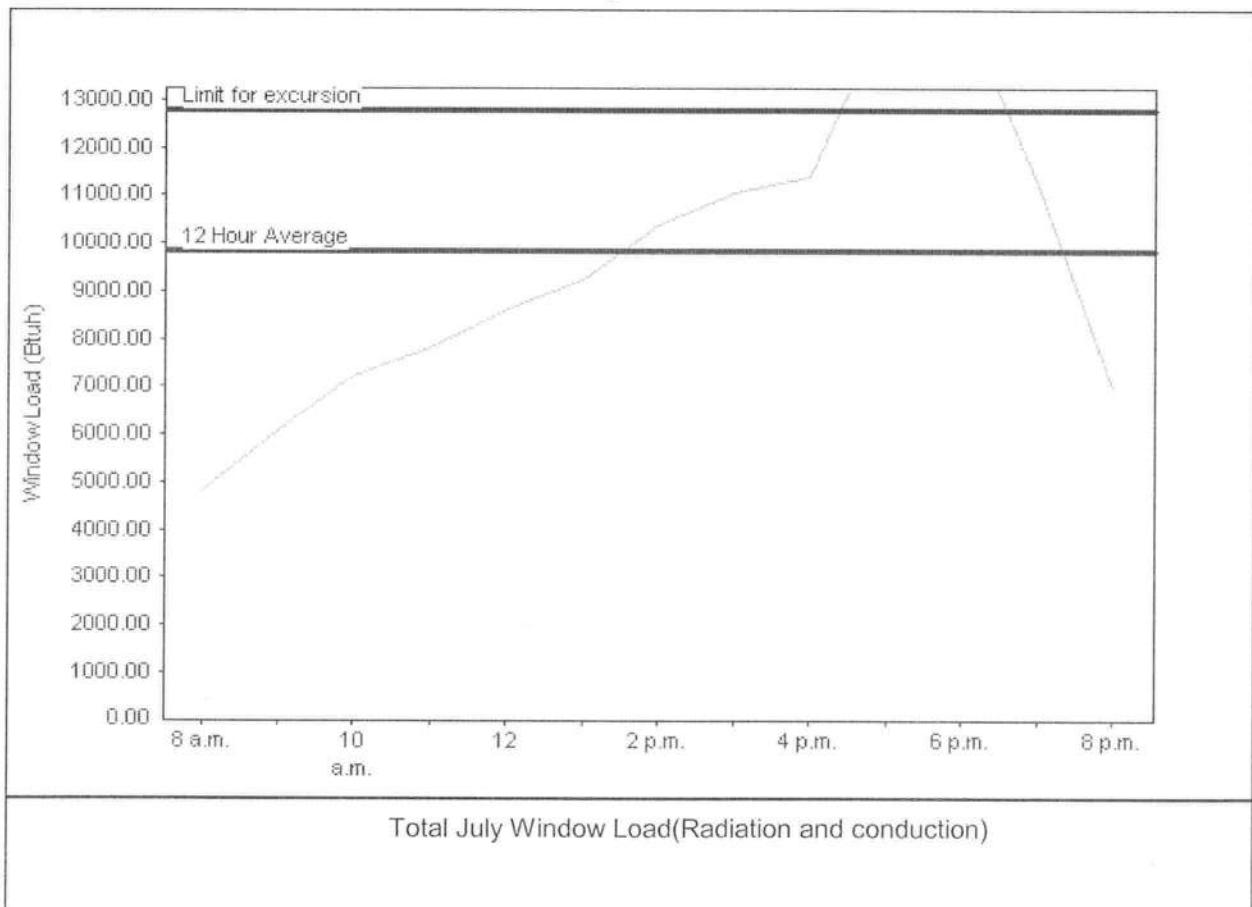
Class 3 Rating
Registration No. 0
Climate: North

3/19/2008

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	9838 Btuh
Summer setpoint	75 F	Peak window load for July	15088 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	12789 Btu
Latitude	29 North	Window excursion (July)	2299 Btuh

WINDOW Average and Peak Loads



This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: *[Signature]*

DATE: 3-19-08

EnergyGauge® FLR2PB v4.1



 Dow
Edgley

**AAMA/NWDA 101/1.S.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

**SERIES/MODEL: 650 Fin
TYPE: Aluminum Single Hung Window**

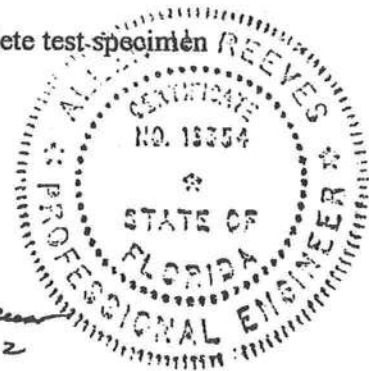
Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft ²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.


Mark A. Hess, Technician

MAH:nlb


Allen N. Reeves
1 APRIL 2002



AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allen N. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

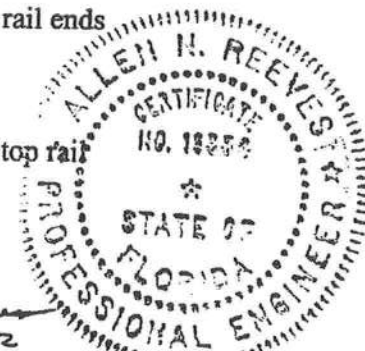
Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Allen H. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max

Note #1: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42"* 0.43"*	0.26" max. 0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
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Allen N. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"	0.26" max.
	@ 47.2 psf (negative)	0.46"	0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)	
@ 67.5 psf (positive)	0.05"
@ 70.8 psf (negative)	0.05"



Allen N. Reeves
1 APRIL 2002

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:



Mark A. Hess
Technician

MAH:nlb
01-41134.01



Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002



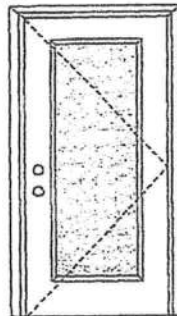
X

Glazed Inswing Unit

COP-WL-JH4141-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:

Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 5'8".



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door
Maximum unit size = 3'0" x 5'8"

Design Pressure
+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is **REQUIRED**.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0001-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

1/4 GLASS:



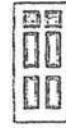
100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



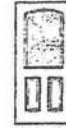
129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

XX

Opaque Inswing Unit

COP-WL-JH4102-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-1905-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12;
NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L. Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 56533

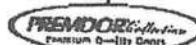
Viewbook Summary



Test Data Review Certificate #202647A and COP/Inst Report Validation Matrix #202647A-001 provides additional information - available from the ITSMH website (www.itsmh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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June 17, 2002
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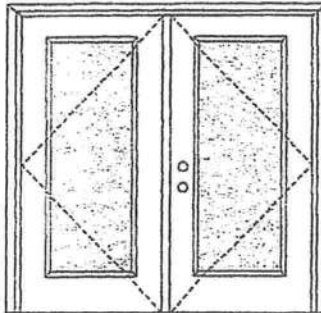
XX

Glazed Inswing Unit

COP-WL-JH4142-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITSNH website (www.itsnh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:

Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Double Door

Maximum unit size = 6'0" x 6'8"

Design Pressure

+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0002-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



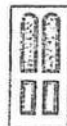
105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

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WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series



450 Series

FULL GLASS:



109 Series



114, 120, 122 Series



152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthaz

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite Technical Center.

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WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series



450 Series

FULL GLASS:



109 Series



114, 120, 122
Series



152 Series



149 Series



300 Series

APPROVED SIDELITE STYLES:



680 Series



129 Series



200 Series



12R, 12L, 23R,
23L, 24R, 24L
Series



450 Series



152 Series



149 Series



109 Series



120, 122 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab and sidelite panels glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 56533



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itsconline.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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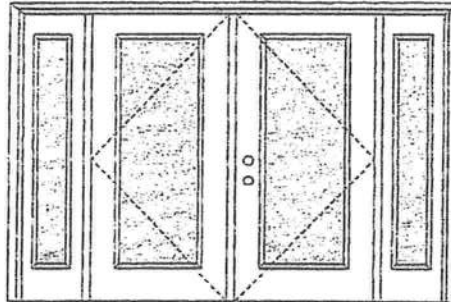


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WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Double Door with 2 Sidelites
Maximum unit size = 12'0" x 5'8"

Design Pressure
+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is **REQUIRED**.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.



Test Data Review Certificate #3026447A
and COP/Test Report Validation Matrix
#3026447A-001 provides additional
information - available from the ITS/WH
website (www.itswh.com), the
Masonite website (www.masonite.com)
or the Masonite technical center.

Note:

Units of other sizes are covered by this
report as long as the panels used do not
exceed 3'0" x 6'8".

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0005-02 or
MAD-WL-MA0008-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0005-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



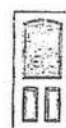
129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L
Series*



107 Series*



108 Series



304 Series

* This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series



450 Series

FULL GLASS:



109 Series



114, 120, 122
Series



152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itscmko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

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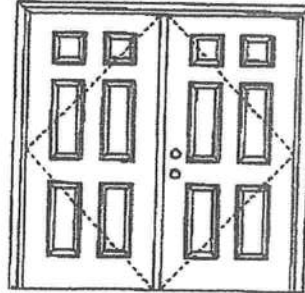
XX

Opaque Inswing Unit

COP-WL-JH4102-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Double Door
Minimum unit size = 6'0" x 6'8"

Design Pressure
+45.0/-45.0

Embossed water urticaria special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistance requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the action required.



Test Data Review Certificate #7026447A
and COP/Text Report Validation Matrix
#7026447A-001 provides additional
information - available from the ITG/WH
website (www.itg-wh.com), the
Masonite website (www.masonite.com)
or the Masonite technical center.

Note:
Units of other sizes are covered by this
report as long as the panels used do not
exceed 3'0" x 6'8".

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0002-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0002-02.

APPROVED DOOR STYLES:



Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



9-panel



15-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

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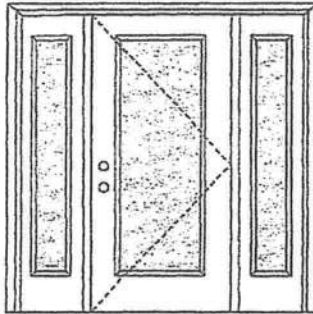
PREMIUM Collection
Premium Quality Doors



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Masonite International Corporation

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Single Door with 2 Sidelites
Maximum unit size = 9'0" x 6'8"

Design Pressure

+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etsenka.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:

Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0004-02 or MAD-WL-MA0007-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0004-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



660 Series

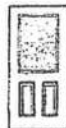


822 Series

1/2 GLASS:



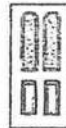
105 Series*



106, 160 Series*



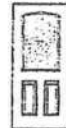
129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

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