

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844

Florida Engineering Certificate of Authorization Number: 567

Florida Certificate of Product Approval # FL1999

Page 1 of 1 Document ID: IT9O215-Z0206174856

House

Truss Fabricator: W.B. Howland
Job Identification: 4815-/Zoeller Residence /EDGELY CONSTRUCTION -- LAKE CITY, FL

Truss Count: 21

Model Code: Florida Building Code 2004 and 2006 Supplement

Truss Criteria: ANSI/TPI-2002(STD)/FBC

Engineering Software: Alpine Software, Version 7.36.

Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC

Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE 7-02 -Closed

J. F. Collins Jr.

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: 08/06/2007

-Truss Design Engineer:
James F. Collins Jr.

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

Details: A11030EE-GBLLETIN-BRCLBSUB-A11015EE-PIGBACKB-

#	Ref	Description	Drawing#	Date
1	25070--A1		07218022	08/06/07
2	25071--A2		07218002	08/06/07
3	25072--A3		07218008	08/06/07
4	25073--A4		07218009	08/06/07
5	25074--A5		07218003	08/06/07
6	25075--A6		07218004	08/06/07
7	25076--A7		07218010	08/06/07
8	25077--A8		07218011	08/06/07
9	25078--A9		07218012	08/06/07
10	25079--A10		07218013	08/06/07
11	25080--A11		07218014	08/06/07
12	25081--A12		07218015	08/06/07
13	25082--A13		07218016	08/06/07
14	25083--A14		07218005	08/06/07
15	25084--A15		07218017	08/06/07
16	25085--A16		07218018	08/06/07
17	25086--JC1		07218019	08/06/07
18	25087--JC3		07218006	08/06/07
19	25088--JE5		07218007	08/06/07
20	25089--JH7		07218020	08/06/07
21	25090--PB1		07218021	08/06/07

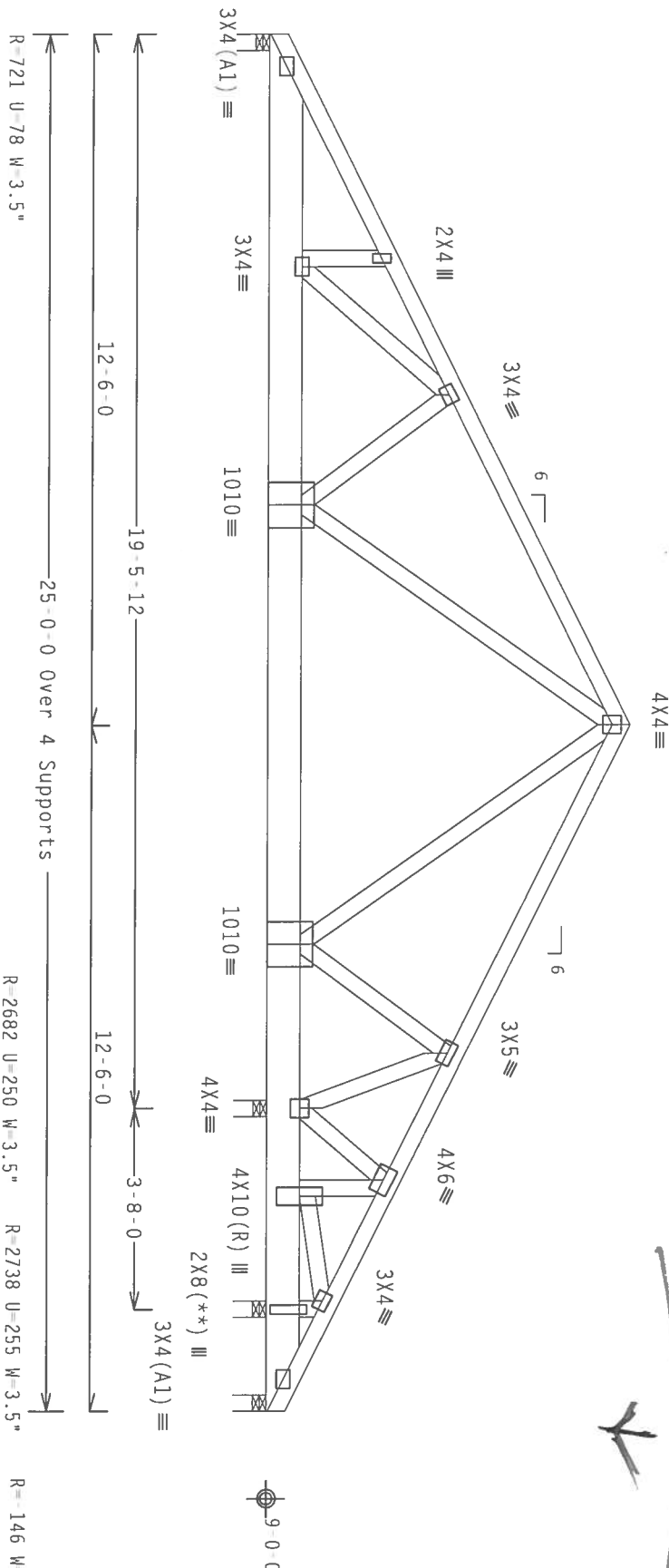


TC	From	62 PLF at 0.00 to	62 PLF at 12.50
TC	From	62 PLF at 12.50 to	62 PLF at 25.00
BC	From	20 PLF at 0.00 to	20 PLF at 25.00
BC	1968 LB Conc.	Load at 20.94,	22.94

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

This truss is not reversible. Per ANSI/TPI 1 2002, Section 2.4.3 Truss manufacturer is responsible to provide information for proper orientation of trusses. This information shall be provided to the contractor.

House. From here back



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

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

7.36.0424

QTY:1

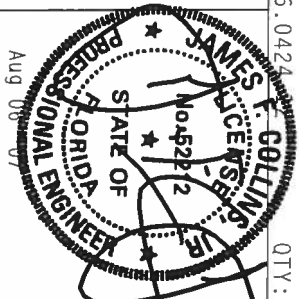
FL/-/5/-/-/R/-/

Scale = .3125"/Ft.

WARNING: THESE PANELS REQUIRE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND PRACTICE REFER TO GC51 (QUOTIDIAN CONCRETE SAFETY INFORMATION). PUBLISHED BY THE CROSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND P.O. BOX 4000, TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MIDLOTHIAN, VA 53179 FOR SAFETY PRACTICES AND TIPS TO PREVENTING THESE INJURIES. 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.
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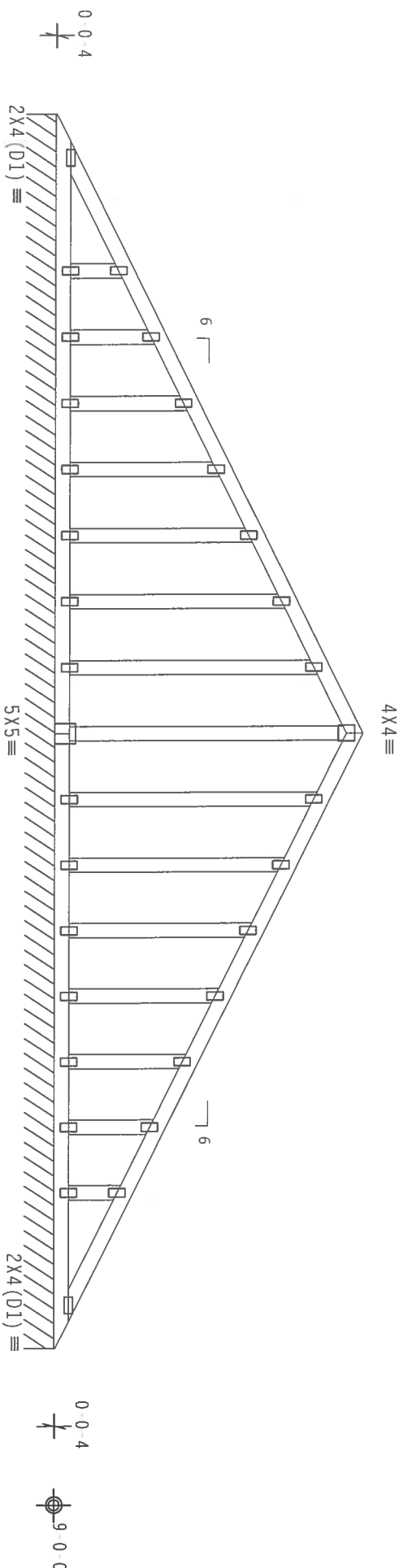
TC LL	20.0 PSF	REF	R215 - - 25073
TC DL	10.0 PSF	DATE	08/06/07
BC DL	10.0 PSF	DRW	HCUSR215 07218009
BC LL	0.0 PSF	HC-ENG	AK/WHK
TOT.LD.	40.0 PSF	SEQN -	192333
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF -	1T90215.Z02

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

The overall height of this truss excluding overhang is 6-3-4.

See DWGS A11015EE0207 & GBLETTIN0207 for more requirements.

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



R=131 PLF U=20 PLF W=25 0-0

-25-0-0 Over Continuous Support

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

7.36.0424 13

QTY:1

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

Scale = .3125"/Ft.

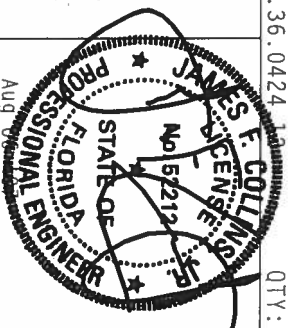
-MAINING- (RIGS) BUILDING ERECTING, CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING
 REFER TO GC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (TRESS PATE, INSTITUTE, 210
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 63000
 ENTERPRISE LANE, MADISON, MI 48131) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
 OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
 A PROPERLY ATTACHED RIGID CEILING.

ALPINE

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Haines City, FL 33844

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TC LL	20.0 PSF	REF	R215 - 25075
TC DL	10.0 PSF	DATE	08/06/07
BC DL	10.0 PSF	DRW	HCUSR215 07218004
BC LL	0.0 PSF	HC-ENG	AK/WHK *
TOT.LD.	40.0 PSF	SEQN-	192344
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF -	1T90215_202

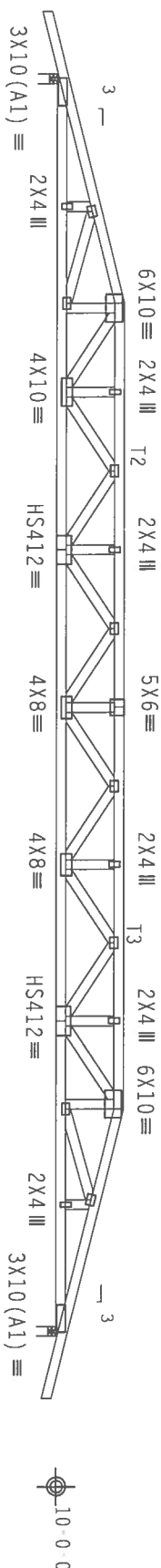
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Calculated vertical deflection is 1.03" due to live load and 1.01" due to dead load at $X = 19.0$.

Calculated horizontal deflection is 0.15" due to live load and 0.14" due to dead load.

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

The overall height of this truss excluding overhang is 2-0-8.



R=1653 U=184 W=3.499"

-38-0-0 Over 2 Supports

R=1653 U=184 W=3.5"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS, Wave

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

7.36.0424.12

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

Scale = .1875"/Ft.

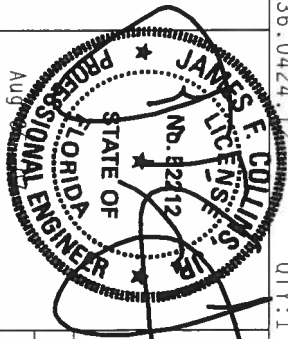
WARNING: THESE RISERS REQUIRE CARE IN INSTALLATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO SPEC (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY IP1 (TRUSS PAINT, INSTITUTE, 218 HORTON LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND ECA (WOOD TRUSS COMPANY, 201 ARLICK, ENTERPRISE LANE, MADISON, AL 35119) FOR SAFETY PRECAUTIONS PRIOR TO PERFORMING THESE ACTIONS. UNDESIGNED OVERBRIDGE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIDGE CEILING.

ALPINE

ITW Building Components Group, Inc

Haines City, FL 33844

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TC LL	20.0 PSF	REF R215 - 25076
TC DL	10.0 PSF	DATE 08/06/07
BC DL	10.0 PSF	DRW HCU8R215 07218010
BC LL	0.0 PSF	HC-ENG AK/WHK
TOT.LD.	40.0 PSF	SEQN- 192353
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T90215_202

Top chord 2x4 SP #2 N :T2, T3 2x6 SP #2 Dense:
Bot chord 2x6 SP SS
Webs 2x4 SP #2 N

110 mph wind, 15.00 ft mean hgt, ASCE 7 02, CLOSED bldg, located anywhere in roof, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $W=1.00$ GCpi(+/-)=0.18

Wind reactions based on MMFRS pressures.

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

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

The overall height of this truss excluding overhang is 1-6-14.

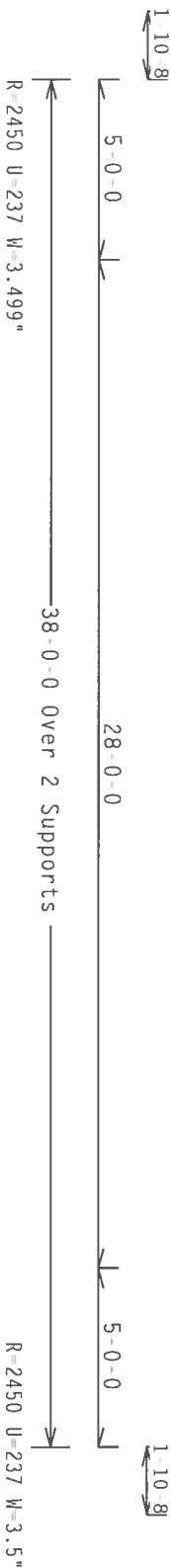
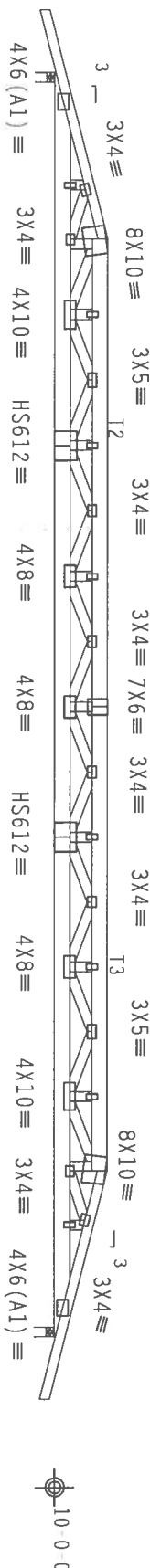
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun nails)

Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

Calculated vertical deflection is 1.13" due to live load and 1.18" due to dead load at X = 19 0 0.



Note: All Plates Are 2X4 Except As Shown.

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

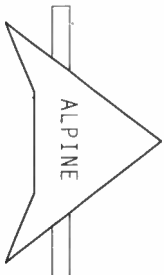
QTY:1 FL/-/5/-/-/R/-

Scale = .1875"/Ft.

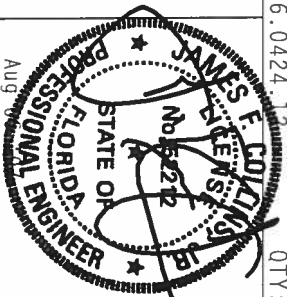
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY THE TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK (WOOD) TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, MI 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.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (E40/S275) ASTM A653 GRADE 40/50 (N, K70, S5) GALV. STEEL. APPLY 2" MIN. OVERLAP. TRUSSES ARE TO BE ASSEMBLED AND BRACED IN ACCORDANCE WITH THE TPI DRAWING PER DRAWING OR THIS DRAWING. INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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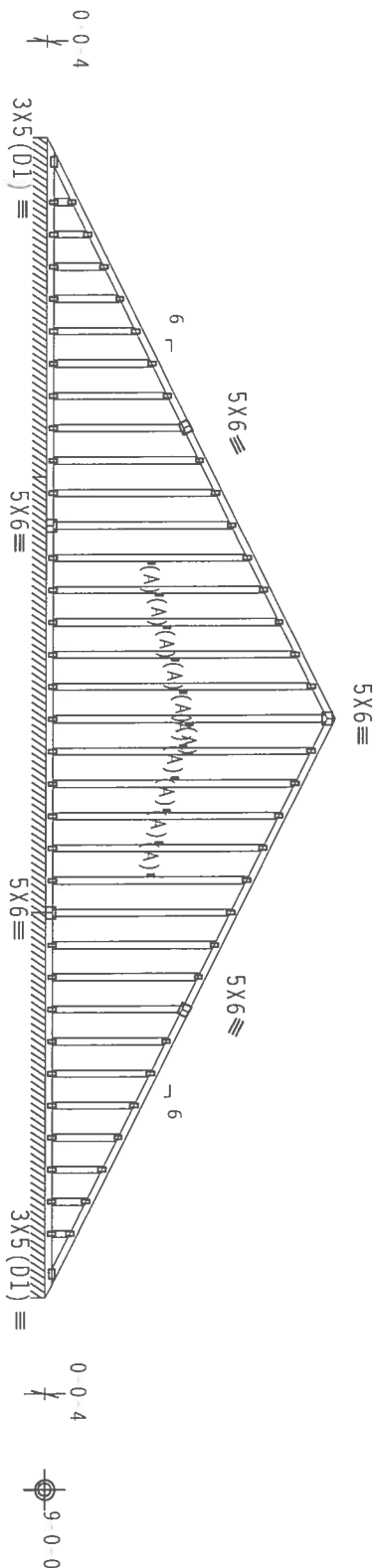
TC LL	20.0 PSF	REF R215- 25077
TC DL	10.0 PSF	DATE 08/06/07
BC DL	10.0 PSF	DRW HCUR215 07218011
BC LL	0.0 PSF	HC-ENG AK/WHK
TOT.LD.	40.0 PSF	SEQN- 192357
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T90215_202

See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

The overall height of this truss excluding overhang is 12 0 4.

(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.



23-0-0

24-0-0

24-0-0

48-0-0 Over 3 Supports

R 131 PLF U 26 PLF W 14 0 0

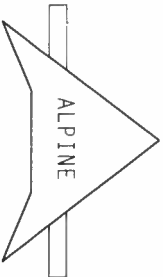
R 126 PLF U 25 PLF W 16 0 0

Design Crit: TPI-2002(STD)/FBC

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

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

Scale = .125"/Ft.

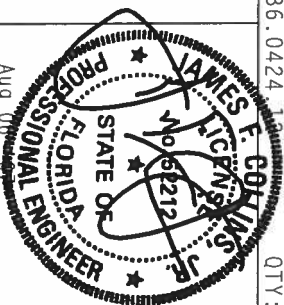


ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 5677

WARNING: THESE PRACTICES REQUIRE CARE IN FABRICATION, SHIPPING, INSTALLING AND BRACING REFER TO A361 (BUILDING CONSTRUCTION SAFETY INFORMATION), PUBLISHED BY THE FURNESS PATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND AISC 400 TRUSS COMMITTEE OF AMERICA, 6300 FENTON LANE, SUITE 1500, W. 53179 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

DISTANCE FROM ROADS AND APPLICABLE PROVISIONS OF MODULAR DESIGN SPECIFICATION (PER AIRNAV) AND TPI.
CONNECTION PLATES ARE MADE OF 20/18/16GA OR H/55% ASTM A653 GRADE 40/60 (K V.I./55% GALV. STEEL). APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1005-
AND INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A1 OF TPI-2002 SEC.3. A SEAL ON THE
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGN. SIGNATURE, THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R215 - 25078
TC DL	10.0 PSF	DATE	08/06/07
BC DL	10.0 PSF	DRW	HCSR215 07218012
BC LL	0.0 PSF	HC-ENG	AK/WHK
TOT.LD.	40.0 PSF	SEQN-	192282
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF -	1T90215_202

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N :B2, B3 2x6 SP SS:
Webs 2x4 SP #2 N

Wind reactions based on MMFRS pressures.

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

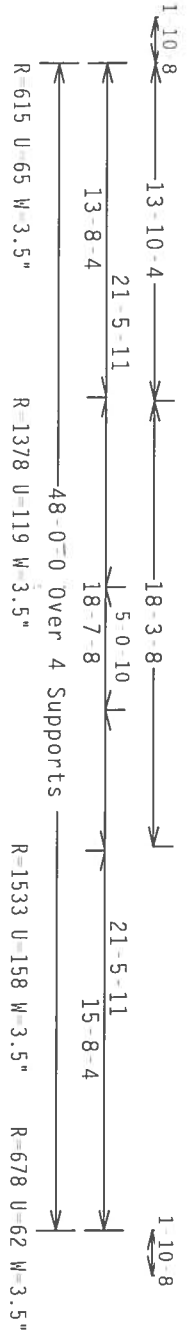
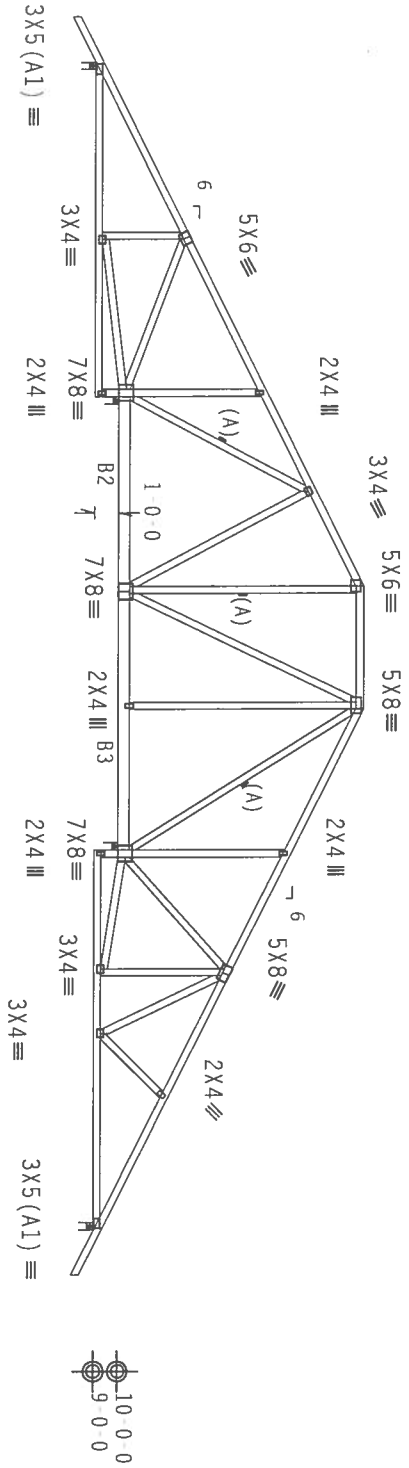
The overall height of this truss excluding overhang is 11-1 0.

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

(A) Continuous lateral bracing equally spaced on member.

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

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



PLT TYP. Wave

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

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

Scale = .125"/ft.

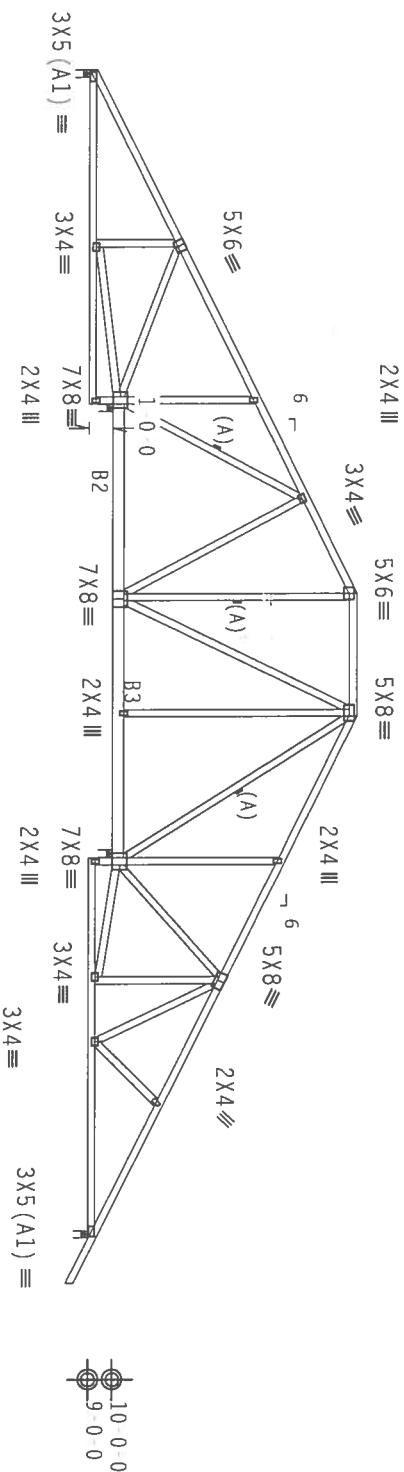
ALPINE		**WARNING** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.	
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, BY ALPINE AND TPI. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 2002 NATIONAL DESIGN SPEC. FOR ALPINE AND TPI. THE BCG TRUSSES ARE MADE OF 20/10/16GA (40/60) (40/60) ASH/ALUMINUM 40/60 (40/60) GALV. STEEL. APPLY THE FOLLOWING LOADS TO THE TRUSS: DEAD LOAD (DL) = 10.0 PSF, LIVE LOAD (LL) = 0.0 PSF, WIND LOAD (WL) = 15.0 PSF. ANY DEVIATION OF PLATES FOLLOWED BY (1) SHALL BE THE USER'S RESPONSIBILITY. THE TRUSS COMPONENTS ARE 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.		RES. F. COLLINS PROFESSIONAL ENGINEER STATE OF FLORIDA NO. 152212 EXP. 08/06/07	
TC LL	20.0 PSF	REF	R215-- 25079
TC DL	10.0 PSF	DATE	08/06/07
BC DL	10.0 PSF	DRW	HCURSR215 07218013
BC LL	0.0 PSF	HC-ENG	AK/WHK
TOT. LD.	40.0 PSF	SEQN-	192293
DUR. FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T90215_202

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

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

(A) Continuous lateral bracing equally spaced on member. Deflection meets $L/240$ live and $L/180$ total load.

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.

[illegible]

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

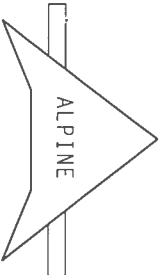
$$Cq/RT=1.00(1.25)/10(0)$$

7.36.0424

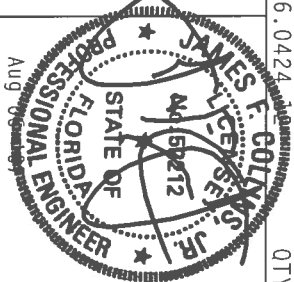
QTY:1

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

Scale = .125"/Ft.



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[illegible]

TC LL	20.0 PSF	REF	R215 - 25080
TC DL	10.0 PSF	DATE	08/06/07
BC DL	10.0 PSF	DRW	HCUSR215 07218014
BC LL	0.0 PSF	HC-ENG	AK/WHK
TOT.LD.	40.0 PSF	SEQN	192298
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF -	1T90215_Z02

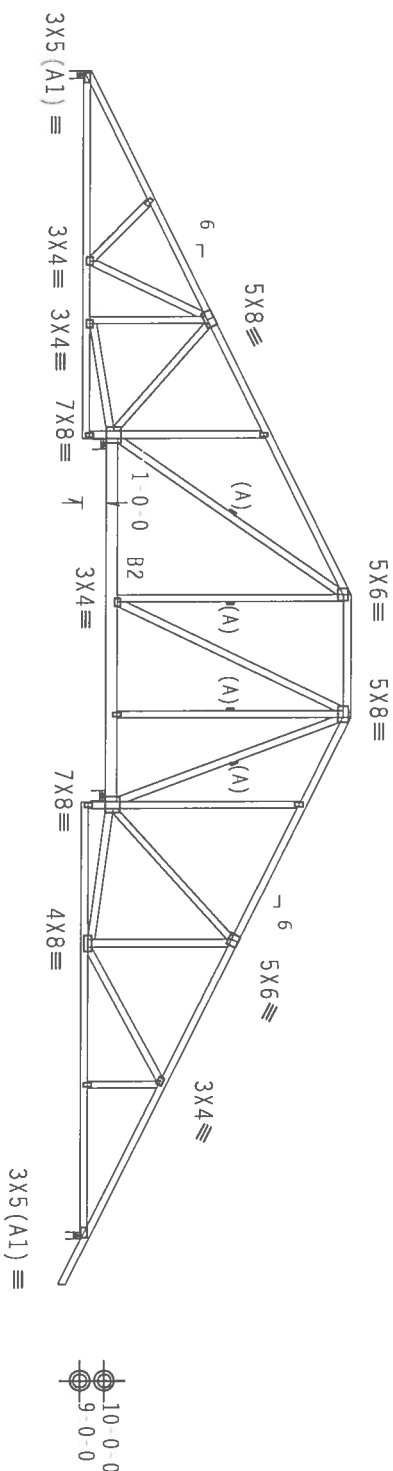
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 11-1-0.

(A) Continuous lateral bracing equally spaced on member.

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

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

[illegible]

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

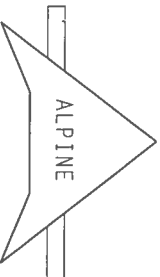
7.36.0424 QTY:1

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

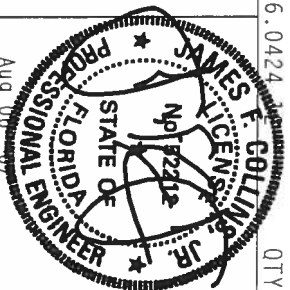
Scale = .125"/Ft.

WARNING: THESE PANELS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO DESI (QUILTING COMPONENT SAFETY IN OPERATION). PUBLISHED BY TPI (TRUSS PANEL INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND RICE (WOOD TRUSS COUNCIL OF AMERICA, 65000 INTERSTATE LANE, MADISON, WI, 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNDESIGNED OR OVERSTRESS INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

*** IMPORTANT:** FOR A HANDY COPY OF THIS DECISION TO THE INSTALLATION CONTRACTOR, THE BIDDING COMPANY NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN CONDITIONS WILL APPLICABLE PROVISIONS OF MOD. NATIONAL DESIGN SPECIFIC BY AREA) AND P.T. THE CONNECTION PLATES ARE MADE OF 201/81/66A (C/N/55/2) ASH ALLOY GRADE 40/60 (C/N/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS 3/66/2-2. DRAWING INDICATES ACCEPTANCE OF PRELIMINARY ENGINEERING RECOMMENDATIONS FOR THE PROPOSED CONNECTION DESIGN SHOWN. THE SUSTAINABILITY USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



TC LL	20.0 PSF	REF	R215 - 25082
TC DL	10.0 PSF	DATE	08/06/07
BC DL	10.0 PSF	DRW	HCSUR215 07218016
BC LL	0.0 PSF	HC-ENG	AK/WHK
TOT.LD.	40.0 PSF	SEQN -	192310
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF -	1T90215_Z02

Top chord 2x4 SP #2 N :11 2x4 SP #2 Dense:

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

Wind reactions based on MMFRS pressures.

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

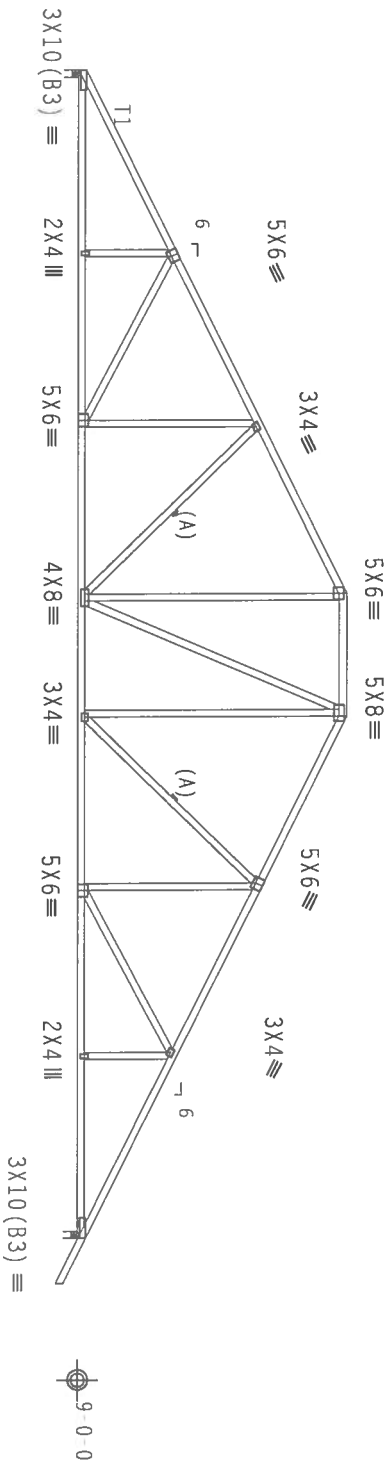
The overall height of this truss excluding overhang is 11'-1.0".

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 Gcpi (+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

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

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.



21'-5"-11"

5'-0"-10"

21'-5"-11"

1'-10"-8"

R-1974 U-179 W-3.5"

R-2105 U-203 W-3.5"

48'-0"-0" Over 2 Supports

PLT TYP. Wave

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

7.36.0424

QTY: 1

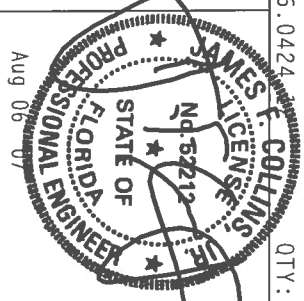
FL/-/5/-/R/-

Scale = .125"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC'S1 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, HANFORD, WA 99179) FOR SAFETY PRACTICES PRIOR TO PERFORMING THE SE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TWC BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. TWC BCG CONNECTION PLATES ARE MADE OF 70/30/100A (G-11/55/75) ASH 4063 GRADE 40/60 (G-4, K/1/55) GALV. STEEL. APPLY TO EACH FACE OF TRUSS AND UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS 100A 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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



TC LL	20.0 PSF	REF	R215--	25083
TC DL	10.0 PSF	DATE	08/06/07	
BC DL	10.0 PSF	DRW	HCUSR215	07218005
BC LL	0.0 PSF	HC-ENG	AK/WHK	*
TOT.LD.	40.0 PSF	SEON-	192317	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1790215_202	

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

Wind reactions based on MWFRS pressures.

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

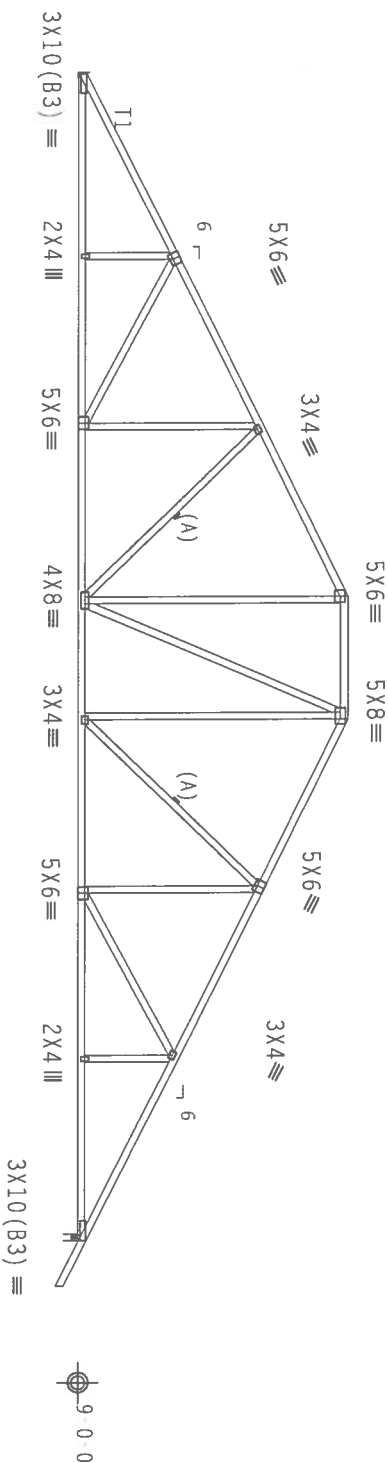
The overall height of this truss excluding overhang is 11-1 0.

110 mph wind, 15.00 ft mean hgt, ASCE 7 02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT 11, EXP B, Wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 Gcpl(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member.

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

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



21-5-11 21-5-11 1-10-8
48-0-0 Over 2 Supports
R-1968 U=179 R-2102 U=203 W=3.5"

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.36.0424

QTY:1

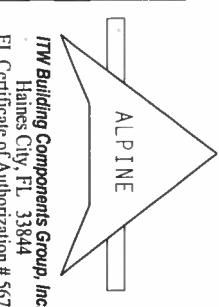
FL/-/5/-/-/R/-

Scale = .125"/Ft.

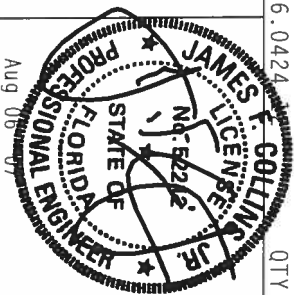
****WARNING**** INSTRUCT REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA,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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THIS QUALITY DESIGN SPEC. BY AIA/RAI AND TPI. THE BCG DESIGNER HAS MADE OF 20/10/10 (W4/10/10) ASH 6063 GRADE 40/60 (W, KPM, SSI) GALV. STEEL. APPLY 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE THE RESPONSIBILITY OF 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.



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



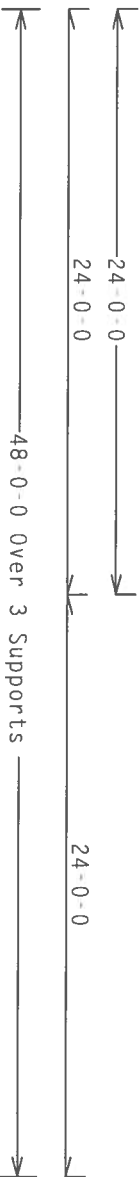
TC LL	20.0 PSF	REF R215-- 25084
TC DL	10.0 PSF	DATE 08/06/07
BC DL	10.0 PSF	DRW HCUSR215 07218017
BC LL	0.0 PSF	HC-ENG AK/WHK
TOT. LD.	40.0 PSF	SEON- 192324
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T90215_202

110 mph wind, 15.16 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 8.50 ft from roof edge, CAT I, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf 1w=1.00 gcpi(+/-)-0.18

Gable end supports 8" max rake overhang.

(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.



R 116 PLF U 16 PLF W 5 0 0

R 137 PLF U 44 PLF W 38 0 0

Design Crit: TPI-2002(STD)/FBC

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

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

Scale = .125"/Ft.

***WARNING:** THESE RIGIDS REQUIRE EXTREME CARE IN INSTALLATION, HANDLING, UNLOADING, STORING, INSTALLING AND BRACING. SEE THE FOLLOWING INFORMATION. PUBLISHED BY THE TRUSS PRACTICE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND ALSO GOOD TRUSS COUNCIL OF AMERICA, 6300 INTERSTATE 44, SUITE 150, WICHITA, KS 67219 FOR SAFETY PRACTICES AND PICTS TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TOP CHORD CELLING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IT11; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

TO EACH PLATE OF BRASS AND THREE OUTSPOUTS LOCATED ON RILEY SECTION. THE BRASS CONNECTOR PLATES ARE MADE OF 20/18/16GA (M./M./SS/K) ASTM A653 GRADE 40/60 (M./K/H/SS) GALV. STEEL. APPLY DESIGN CONDITIONS FOR MDS (NATIONAL DESIGN SPEC., BY AFRMA) AND TPI.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE BRUSH COMPONENTS
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMNCA A3 OF 1P11 2002 SEC.3. A SEAL ON THIS
DRAWING TO EACH OF THESE AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-1

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.

1	FL / 5 / - / R / -	Scale = .125" / Ft.
TC LL	20.0 PSF	REF R215 - 25085
TC DL	10.0 PSF	DATE 08/06/07
BC DL	10.0 PSF	DRW HCURR215 07218018
BC LL	0.0 PSF	HC-ENG AK / MHK
TOT. LD.	40.0 PSF	SEQN- 192329
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T90215_Z02

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

The overall height of this truss excluding overhang is 0.74.

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

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

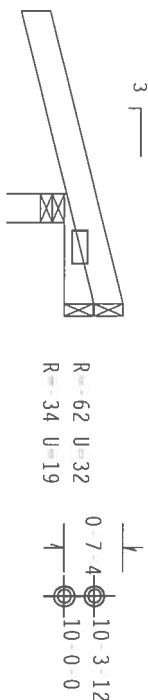
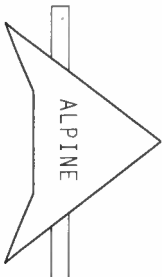


Diagram of a three-span continuous beam with dimensions:

- Span 1: 10.8
- Span 2: 10.8
- Span 3: 10.8
- Over 3 Supports: 1.8
- Beam Dimensions: R=308 U=119 W=3.5"

PLT TYP. Wave



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

WARNING - FIRE RESISTANT WALLS REQUIRING SPECIAL CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING TO MEET BUILDING CODE REQUIREMENTS FOR FLEXIBILITY INFORMATION). PUBLISHED BY THE FRUIT PRESS INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND HIGH SCHOOL TRUSS COUNCIL OF AMERICA, 65000 UNIVERSITY LANE, MIDLAND, TX 79709 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. UNDESIGNED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CELLING.

[illegible]

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

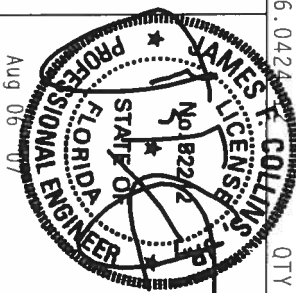
 $Cq/RT=1.00(1.25)/10(0)$

7.36.0424

QTY:1

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

Scale = .5"/Ft.



TC LL	20.0 PSF	REF	R215 - 25086
TC DL	10.0 PSF	DATE	08/06/07
BC DL	10.0 PSF	DRW	HCUSR215 07218019
BC LL	0.0 PSF	HC-ENG	AK/WHK
TOT.LD.	40.0 PSF	SEQN-	192363
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF -	1T90215_202

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

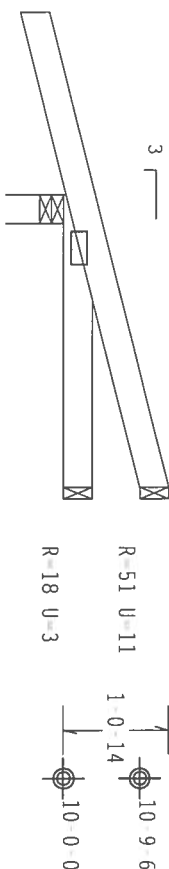
Deflection meets L/240 live and L/180 total load.

SPECIAL LOADS

	(LUMBER DUR, FAC. = 1.25 / PLATE DUR, FAC. = 1.25)
TC From 61 PLF at 1.88 to 61 PLF at 3.00	
BC From 4 PLF at 1.88 to 4 PLF at 3.00	
BC From 20 PLF at 0.00 to 20 PLF at 3.00	

Wind reactions based on M/FRS pressures.

The overall height of this truss excluding overhang is 1-0-14.



1-10-8

3 0 0 Over 3 Supports
R 295 U 80 W 3.5"

PLT TYP. Wave

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

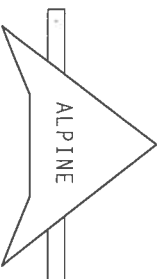
$$Cq/RT=1.00(1.25)/10(0)$$

7.36.0424.12

QTY:1

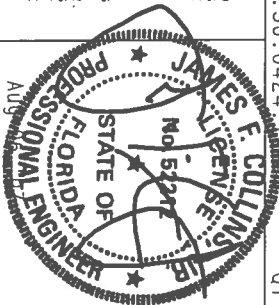
FL/-/5/-/-/R/-/

Scale = .5"/Ft.



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

WARNING: FIRE'S RUINOUS EXPOSURE CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO NCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FBI (FIRE SAFETY INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 FORTHERST LANE, HANOVER, MD, 21076) FOR SAFETY PRACTICES, PRIOR TO PERFORMING THESE ACTIONS. UNDESIRABLE, IDENTIFIED FOR CIRCLED SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED MID-CELL.

[illegible]

TC LL	20.0 PSF	REF	R215-- 25087
TC DL	10.0 PSF	DATE	08/06/07
BC DL	10.0 PSF	DRW	HCSR215 07218006
BC LL	0.0 PSF	HC-ENG	AK/WHK *
TOT.LD.	40.0 PSF	SEQN-	192366
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T90215_Z02

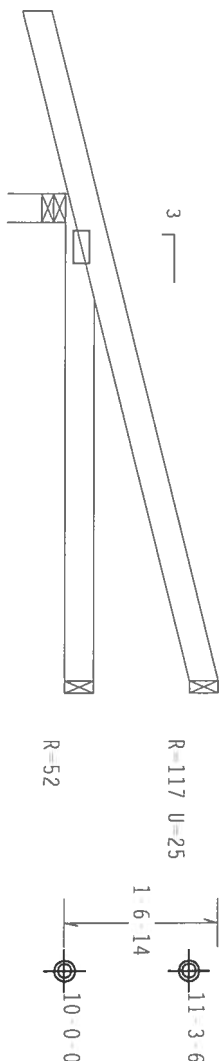
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 1-6-14.

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

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



1-10-8

5-0-0 Over 3 Supports
R-356 U=74 W=3.5

PLT TYP. Wave

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

7.36.0424.10

QTY:1

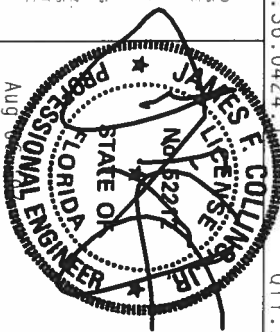
FL/-/5/-/1-/R/-

Scale = .5"/ft.

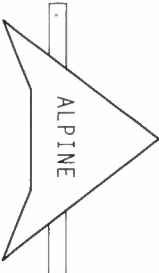
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH EEL STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WPCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF 2003 NATIONAL DESIGN SPEC. BY AIA/PAI AND TPI. THE BCG DESIGNER HAS REVIEWED THE TRUSS FOR COMPLIANCE WITH THE 2003 NATIONAL DESIGN SPEC. AND THE 2003 NATIONAL DESIGN SPEC. FOR TRUSSES. ANY DEVIATION FROM THE 2003 NATIONAL DESIGN SPEC. SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R215-- 25088
TC DL	10.0 PSF	DATE 08/06/07
BC DL	10.0 PSF	DRW HCUSR215 07218007
BC LL	0.0 PSF	HC-ENG AK/WHK *
TOT.LD.	40.0 PSF	SECON- 192369
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T90215_202



ITW Building Components Group, Inc.
Haines City, FL 33844
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Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

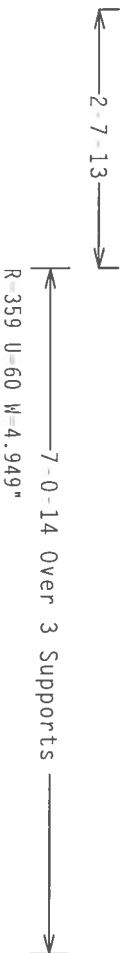
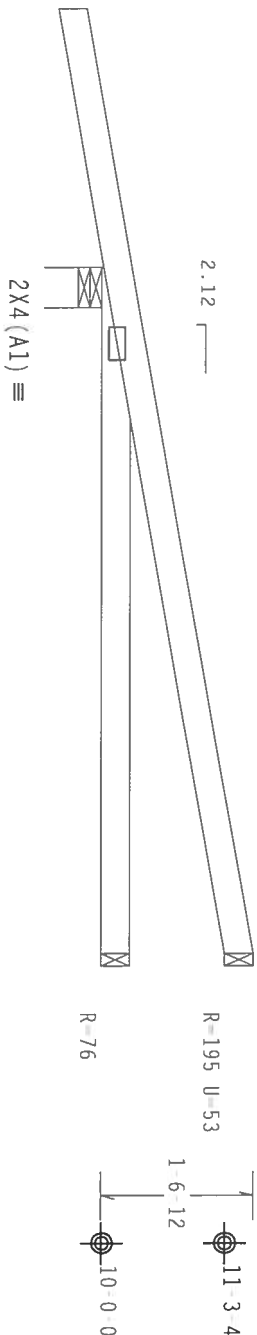
Wind reactions based on MMFRS pressures.

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

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. $1w=1.00 \text{ Gcpi}(+/) = 0.18$

Hipjack supports 5'-0" setback jacks with no webs.

The overall height of this truss excluding overhang is 1'-6" 12.



PLT TYP. Wave

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

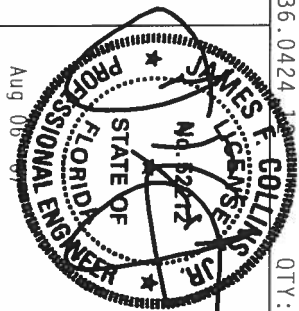
QTY: 1 FL/-/5/-/-/R/-

Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXPERT 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 WICKI (GOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO RESTORING 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 OF TRUSS IN COMPLIANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF B03 (ADDITIONAL DESIGN SPEC. BY AREA) AND TPI. TRUSS PLATES TO EACH FACE OF TRUSS AND 10/16" (40/125) ASH A055 GRADE 40/60 (W. 47/151 GALV. STEEL. APPLY 2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PERFORMED AS OF TPI 2002 SEC. 3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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



TC LL	20.0 PSF	REF R215-- 25089
TC DL	10.0 PSF	DATE 08/06/07
BC DL	10.0 PSF	DRW HCUR215 07218020
BC LL	0.0 PSF	HC-ENG AK/WHK
TOT. LD.	40.0 PSF	SEQN- 192360
DUR. FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T90215_202

110 mph wind, 20.73 ft mean hgt., ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $1w=1.00$ $G_{Cp1}(\frac{z}{h})=0.18$

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

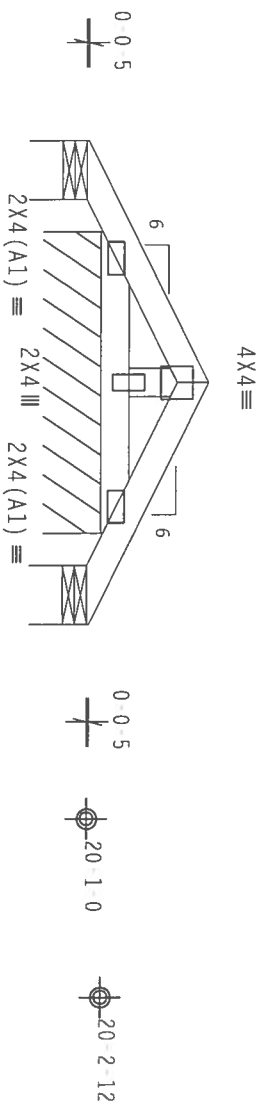
The overall height of this truss excluding overhang is 1.3.3.

Refer to DWG PIGBACKB0405 for piggyback details.

TC	From	62 PLF at	0.94 to	62 PLF at	1.54
TC	From	62 PLF at	1.54 to	62 PLF at	4.02
BC	From	4 PLF at	0.94 to	4 PLF at	4.02

Wind reactions based on MAFRS pressures.

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

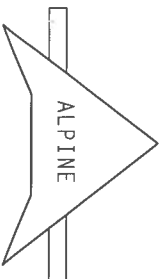


← 4-11-9 Over 3 Supports →

R=20 U=10 W=7.267" R=20 U=10 W=7.267"

Design Crit: TPI-2002(STD)/FBC

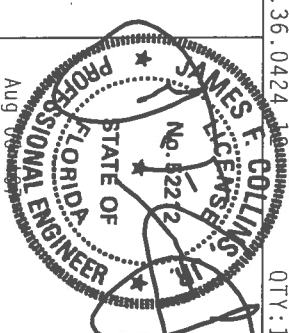
PLT TYP. Wave



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

* **WARNING** - PRIORS RECORD EXISTING CASE IN FABRICATION. HANDING, SHIPPING, INSTALLING AND REACTING TO ACES (BUILDING CONTRACTOR SPECIFY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK (WOOD TRUSS COMPANY OF AMERICA, 6300 CLEVELAND LANE, HADISOW, MI 48139) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAULDS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

* **IMPORTANT** - HANDISE A COPY OF THIS ORDER TO THE INSTALLATION CONTRACTOR. IN REG. THE SMALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) CONNECTION PLATES ARE MADE OF 201/81/66A (4X/5/5/2) ASTM A563 GRADE 50/60 (4 X 2 1/4" X 5/8") STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1606.2 DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY DATED 11/11/2002. SEE THE SEAL ON THIS ORDER SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC1/P11 SEC. 2.



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

Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R215	25090
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TC DL	10.0 PSF	DATE	08/06/07
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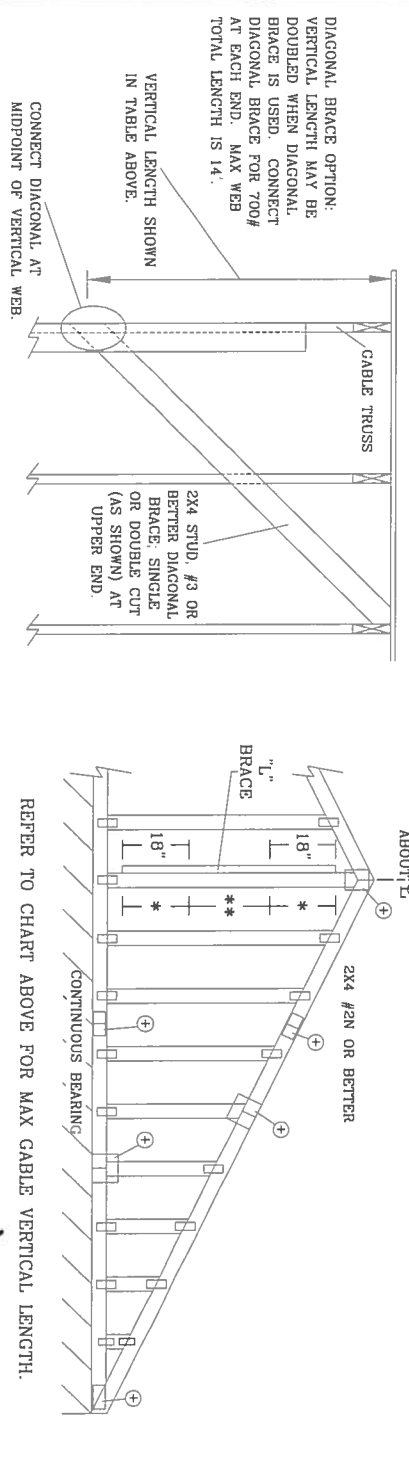
BC DL	10.0 PSF	DRW	HCUSR215	0721802
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BC LL	0.0 PSF	HC-ENG AK/WHK
TOT.LD.	40.0 PSF	SEQN - 192313

DUR.FAC. 1.25	FROM CDM
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SPACING	24.0"	JREF - 1T90215_Z02
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MAX GABLE VERTICAL LENGTH		BRACE		NO		(1) 1x4 "L" BRACE *		(1) 2x4 "L" BRACE *		(2) 2x4 "L" BRACE **		(1) 2x6 "L" BRACE *		(2) 2x6 "L" BRACE **	
GABLE VERTICAL SPACING	2x4 SPECIAL SPECIES	GRADE	BRACES	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' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	SPF	#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	STUD	3' 7"	5' 5"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	STANDARD	3' 7"	4' 8"	4' 8"	6' 1"	6' 1"	8' 3"	8' 3"	9' 6"	9' 6"	12' 11"	12' 11"	14' 0"	14' 0"
16" O.C.	SP	#1	4' 0"	6' 4"	6' 10"	7' 6"	7' 6"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#2	3' 11"	6' 4"	6' 10"	7' 6"	7' 6"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	#3	3' 9"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	9' 5"	11' 5"	11' 5"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	STUD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"	14' 0"	14' 0"
24" O.C.	SPF	#1 / #2	4' 2"	7' 3"	7' 5"	8' 7"	8' 7"	10' 3"	10' 6"	13' 5"	13' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	SPF	#3	4' 1"	6' 8"	6' 8"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	STUD	4' 1"	8' 0"	8' 0"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	STANDARD	4' 1"	5' 8"	5' 8"	7' 6"	7' 6"	10' 1"	10' 1"	11' 8"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"



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

CABLE TRUSS DETAIL NOTES:

- LIVE LOAD DEFLECTION CRITERIA IS L/240
- PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
- CABLE 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' 0" O.C. IN 18" END ZONES AND 4' 0" O.C. BETWEEN ZONES.
- ** FOR (2) "L" BRACES: SPACE NAILS AT 3' 0" O.C. IN 18" END ZONES AND 6' 0" O.C. BETWEEN ZONES.
- "L" BRACING MUST BE A MINIMUM OF 802 OF WEB MEMBER LENGTH.

CABLE 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.

ALPINE

17W BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

REF ASCET-02-CAB11030

DATE 2/23/07

DRWG A11030E0207

-ENG

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

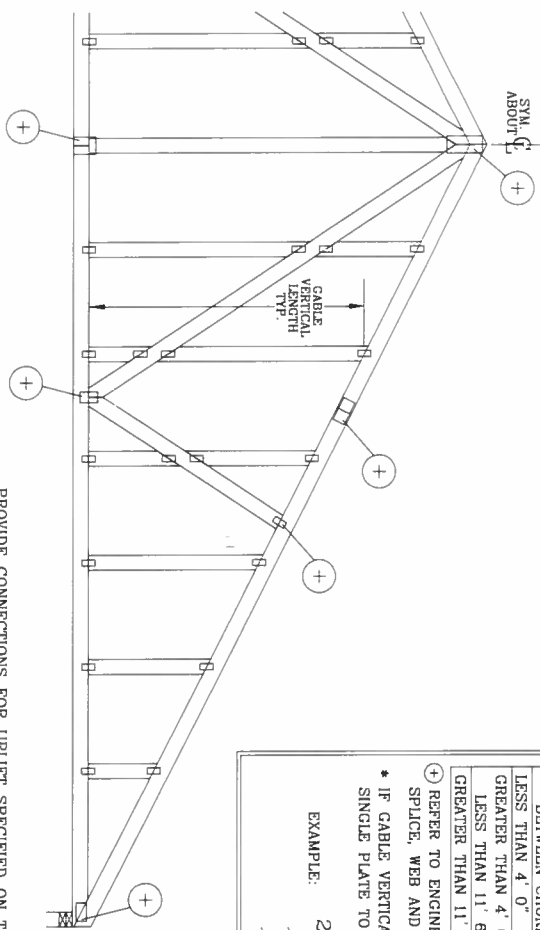
STATE OF FLORIDA

PROFESSIONAL ENGINEER

JAMES L. COLLINS, JR.

No. 62212

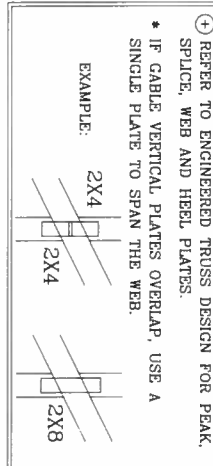
CABLE DETAIL FOR LET-IN VERTICALS



CABLE 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 SPLICE, WEB AND HEEL PLATES.



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH:

10d COMMON (0.148" X 3" MIN) TOENAILS AT 4" O.C. PLUS

(4) 16d COMMON (0.182" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.

CUN 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 CABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

ASCE 7-93 GABLE DETAIL DRAWINGS

A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207, A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08015EC0207, A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08030EC0207

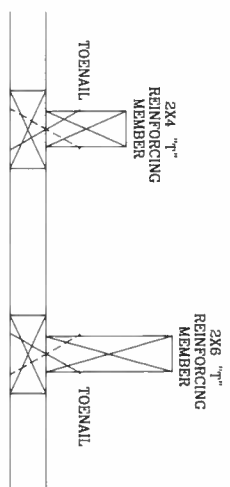
ASCE 7-02 GABLE DETAIL DRAWINGS

A13015EB0207, A12015EB0207, A11015EB0207, A10015EB0207, A08015EB0207, A13030EB0207, A12030EB0207, A11030EB0207, A10030EB0207, A08030EB0207

ASCE 7-05 GABLE DETAIL DRAWINGS

A13015E0207, A12015E0207, A11015E0207, A10015E0207, A08015E0207, A13030E0207, A12030E0207, A11030E0207, A10030E0207, A08030E0207

SEE APPROPRIATE ALPINE CABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.



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 CABLE 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 "T" REINFORCED MEMBER SIZE	SBCCI	ASCE
110 MPH 2x4	10 %	10 %
15 FT 2x6	40 %	50 %
110 MPH 2x4	10 %	10 %
30 FT 2x6	50 %	50 %
100 MPH 2x4	10 %	10 %
15 FT 2x6	30 %	50 %
100 MPH 2x4	10 %	10 %
30 FT 2x6	40 %	40 %
90 MPH 2x4	20 %	10 %
15 FT 2x6	20 %	40 %
90 MPH 2x4	10 %	10 %
30 FT 2x6	30 %	50 %
80 MPH 2x4	10 %	20 %
15 FT 2x6	20 %	30 %
80 MPH 2x4	10 %	10 %
30 FT 2x6	20 %	40 %
70 MPH 2x4	0 %	20 %
15 FT 2x6	0 %	20 %
70 MPH 2x4	10 %	20 %
30 FT 2x6	10 %	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

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

"T" REINFORCING MEMBER SIZE = 2X4

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

MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH 1.10 x 6' 7" = 7' 3"

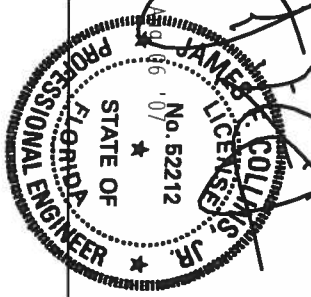
THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035



ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INSTRUCTIONS, PUBLISHED BY TPI TRUSS PLATE MANUFACTURING, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22304, AND VITA GABLE TRUSS COUNCIL OF AMERICA, 6300 KENNEDY BLVD., SUITE 100, FORT WORTH, TX 76116, FOR TRUSS SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. ALL TRUSSES MUST BE PROPERLY ATTACHED TO STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN PROVIDES THE APPLICABLE PROVISIONS OF AOS (OPTIONAL DESIGN SPEC. BY ACP&A) AND TPI TRUSS SAFETY INSTRUCTIONS. THE USER OF THIS DESIGN SHALL BE RESPONSIBLE FOR THE PROPER DESIGN, POSITION PER DRAWINGS 1604-2, ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEK A3 OF TPI-1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



REF	LET-IN VERT
DATE	2/23/07
DRWG	GILLETINO207
-ENG	DJL/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"

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.

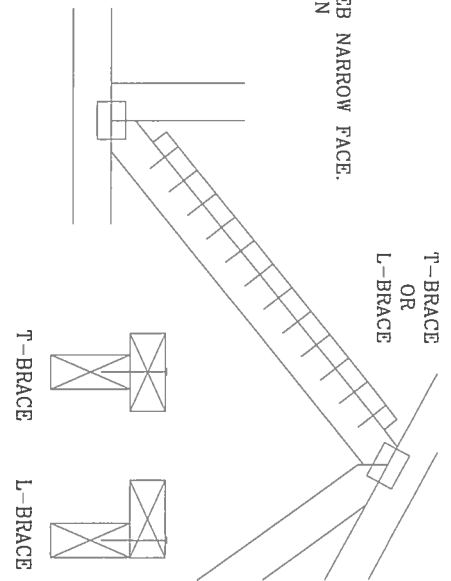
ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE, FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

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

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

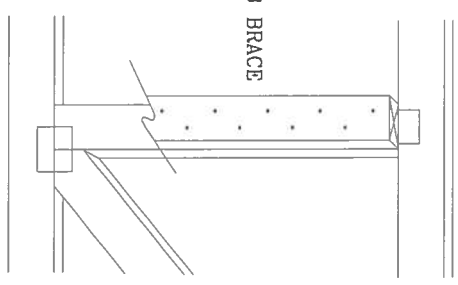
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

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

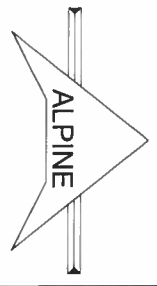


SCAB BRACING:

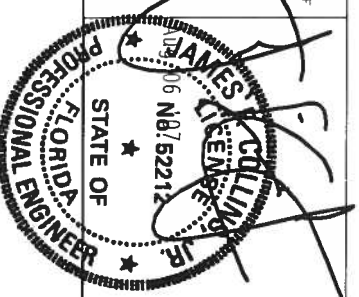
APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN
(0.128" x 3" MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579.640

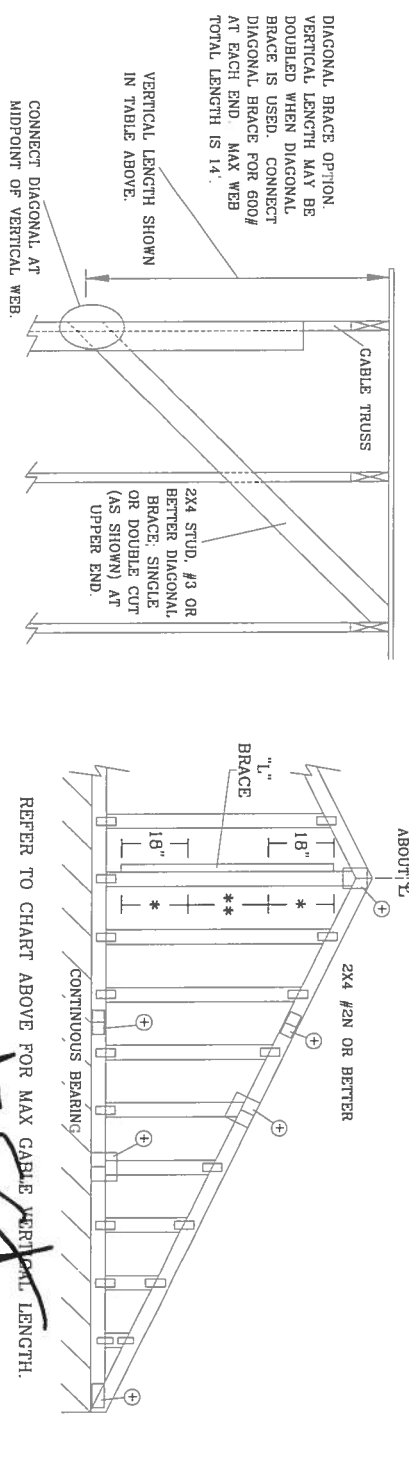


ITWBUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCB SUB0207
BC LL	PSF	ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

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

GROUP B:

HEM-FIR	DOUGLAS FIR-LARCH
#1 & BTR	#1
SOUTHERN PINE	DOUGLAS FIR-LARCH
#1	#2

CABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

CABLE 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' 0" O.C. IN 18" END ZONES AND 4' 0" O.C. BETWEEN ZONES.

** FOR (2) "L" BRACES: SPACE NAILS AT 3' 0" O.C. IN 18" END ZONES AND 6' 0" 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

ALPINE

17W BUILDING COMPONENTS GROUP, INC.
POMPAHO BEACH, FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

STATE OF FLORIDA

PROFESSIONAL ENGINEER

JAMES E. COLLINS, JR.

FLORIDA LICENSE NO. 52212

ASCE 7-02

REF ASCE 7-02-CAB11015

DATE 2/23/07

DRWG A11015EEO207

ENG

TOP CHORD	2X4	#2 OR BETTER
BOT CHORD	2X4	#2 OR BETTER
WEBS	2X4	#3 OR BETTER

TRUSS TOP CHORD WITH 1.5X3 PLATE. ATTACH VERTICAL WEBS TO
 PIGGYBACK BOTTOM CHORD MAY BE OMITTED.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS

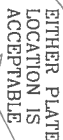
REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

130 MPH WIND, 30' MEAN HGT, ASCE 7-98, ASCE 7-02 OR
ASCE 7-05, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II
EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, SBC
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF
WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E.*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.



THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

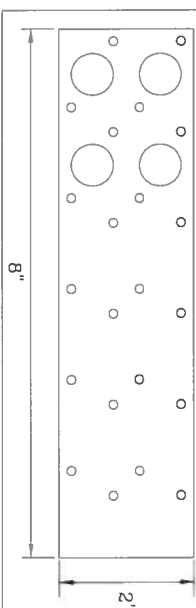
USE OF THIS DESIGN FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER
INSTR./PI 1 SEC. 2

(4) 6d BOX (0.099" X 2.2" MIN) NAILS.

ATTACH TRULOX PLATES WITH (B) 0.120" X 1.375" NAILS OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

WEB BRACING CHART	
WEB LENGTH 0' TO 7'9"	REQUIRED BRACING
7'9" TO 10'	NO BRACING 1x4 "T" BRACE SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113 X 2.5" MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135 X 3.5" MIN) NAILS AT 4" OC.

ATTACH 12BTH TO THE PIGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



* PIGGYBACK SPECIAL PLATE

MAX LOADING

1.33 DUR. FAC.

1.25 DUR. FAC.

1.15 DUR. FAC.

SPACING 24.0"

REF PIGGYBACK

DATE 2/23/07

DRWG PIGBACKB0207

-ENG DLJ/KAR

1000 JOURNAL OF CLIMATE

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