

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: 1T9Q8228Z0109083924

Truss Fabricator: Anderson Truss Company
Job Identification: 7-227--WADE WILLIS CONSTRUCTION The Haley -- , **
Truss Count: 44
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.36, 7.24.
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

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: HCUSR8228

Details: BRCLBSUB-A11030EE-GBLLETIN-A11015EE-



Seal Date: 08/09/2007

-Truss Design Engineer-

James F. Collins Jr.

Florida License Number: 52212

1950 Marley Drive

Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	37686--H15A		07221022	08/09/07
2	37687--H17A		07221023	08/09/07
3	37688--A1		07221024	08/09/07
4	37689--H9A		07221044	08/09/07
5	37690--H11A		07221025	08/09/07
6	37691--H13A		07221026	08/09/07
7	37692--H7B		07221027	08/09/07
8	37693--H9B		07221028	08/09/07
9	37694--H11B		07221029	08/09/07
10	37695--H13B		07221030	08/09/07
11	37696--H7C		07221031	08/09/07
12	37697--H9C		07221001	08/09/07
13	37698--C1		07221002	08/09/07
14	37699--C2-GDR		07221032	08/09/07
15	37700--H5D		07221033	08/09/07
16	37701--H6D		07221034	08/09/07
17	37702--E-GE		07221003	08/09/07
18	37703--E1-GDR		07221035	08/09/07
19	37704--H5F		07221036	08/09/07
20	37705--H7F		07221004	08/09/07
21	37706--F1-GDR		07221037	08/09/07
22	37707--G1-GDR		07221038	08/09/07
23	37708--G-GE		07221005	08/09/07
24	37709--J1		07221006	08/09/07
25	37710--HJ7		07221039	08/09/07
26	37711--J3		07221007	08/09/07
27	37712--J5		07221008	08/09/07
28	37713--EJ7		07221009	08/09/07
29	37714--EJ7A		07221010	08/09/07
30	37715--J1A		07221011	08/09/07
31	37716--HJ6A		07221040	08/09/07
32	37717--HJ5		07221041	08/09/07
33	37718--J4		07221012	08/09/07
34	37719--J5A		07221013	08/09/07
35	37720--J5AA		07221014	08/09/07
36	37721--J2		07221015	08/09/07

#	Ref	Description	Drawing#	Date
37	37722--EJ5		07221016	08/09/07
38	37723--HJ5		07221042	08/09/07
39	37724--J7		07221017	08/09/07
40	37725--HJ9		07221043	08/09/07
41	37726--EJ9		07221018	08/09/07
42	37727--C3		07221019	08/09/07
43	37728--C5		07221020	08/09/07
44	37729--C4		07221021	08/09/07



110 mph wind, 22.68 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1W=1.00 GCpf (+/-)=0.55

(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Scale = .1875"/Ft.

IMPORTANT-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITB BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DIVARIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IT1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES.

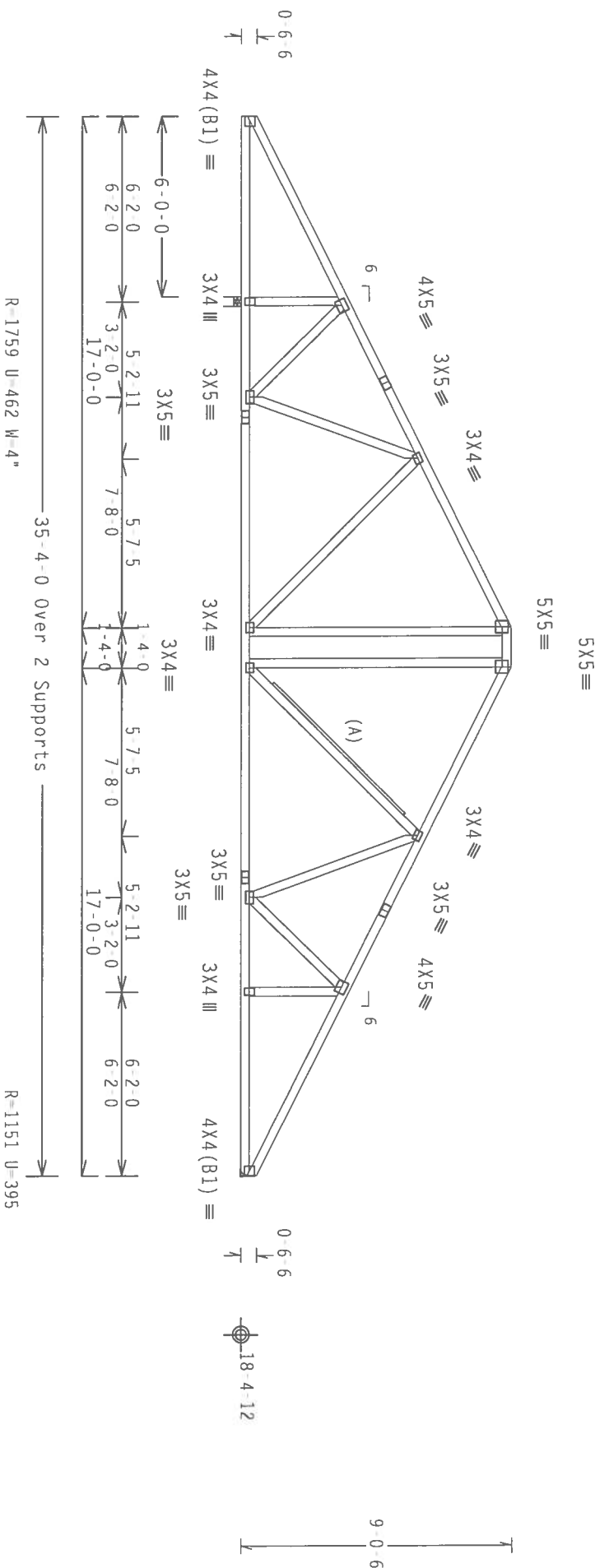
FL/-4/-/K/		Scale = .18/5"/FL
TC LL	20.0 PSF	REF R8228- 37686
TC DL	10.0 PSF	DATE 08/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07221022
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEON- 43109
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T908228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MFRS pressures.

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

110 mph wind, 23.18 ft mean hgt, ASCE 7-02, PART. ENC. 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(+/-)=0.55
(A) 1x4 #3 or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

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

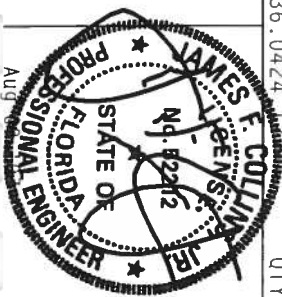
QTY:1 FL/-/4/-/-/R/-

Scale = 1/8"=1'-0"

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE

MTW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Registration # 1111



TC LL	20.0 PSF	REF	R8228-37687
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221023
BC LL	0.0 PSF	HC-ENG DF/DF	
TOT.LD.	40.0 PSF	SEQN-	43113
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T908228201

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

(A) Continuous lateral bracing equally spaced on member.

(A) Continuous lateral bracing equally spaced on member.



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/-/4/-/-/R/-

Scale = .1875"/Ft.

* * *WARNING* * *

BUSSIES (ROUND EXTREME CASE IN INFORMATION), HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO (CSCI) (RIGGING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PEARL INSTITUTE, 218 NORTH LEE STREET, SUITE 212, ALEXANDRIA, VA, 22314) AND NRC (GOOD RINGS) COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO REFORMING THESE FUNCTIONS.

ADDITIONAL INFORMATION INDICATED THAT CIRCOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CIRCOR SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

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

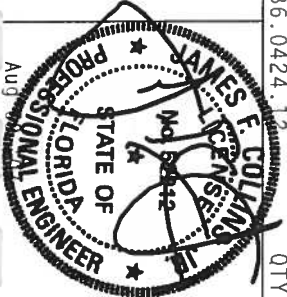
IP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTOR PLATES ARE MADE OF 2018/16GA (M. II/SS/K) ASTM A653 GRADE 40/60 (M. K/II,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS 1604.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.

DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667



TC LL	20.0 PSF	REF	R8228- 37688
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221024
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	43118
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T9Q8228201

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

110 mph wind, 21.18 ft mean hgt, ASCE 7 02, PART, ENC. bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

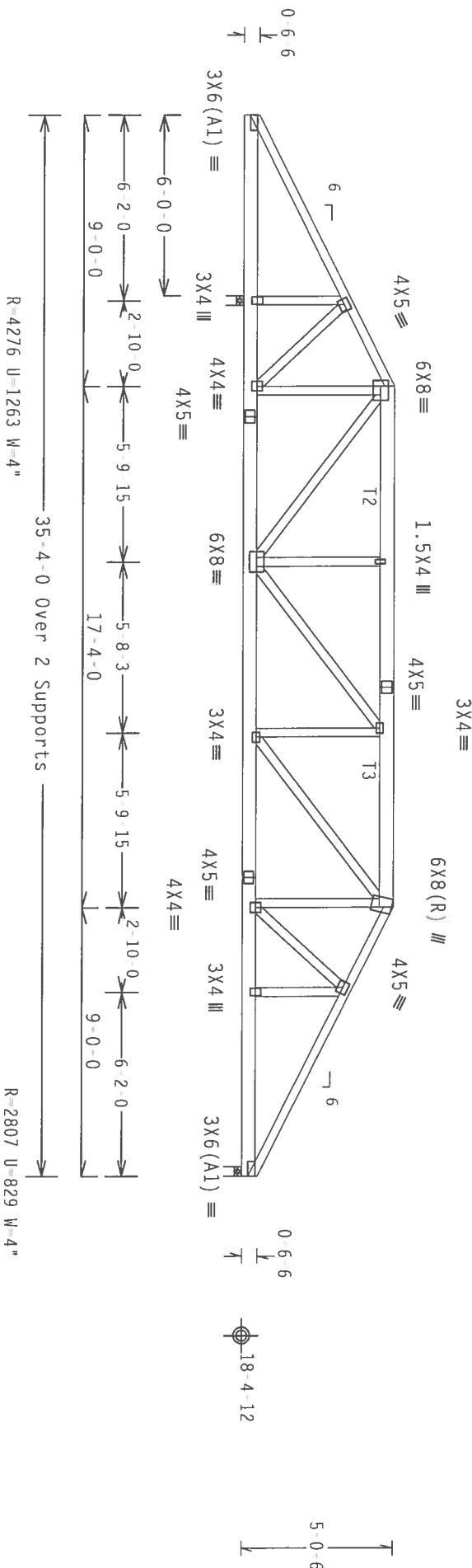
#1 hip supports 9 0 0 jacks with no webs.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.) 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.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

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

7.24.1230

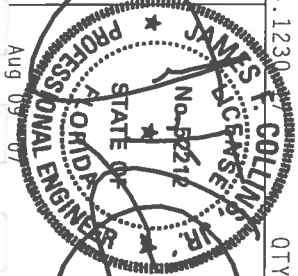
QTY:1 FL/-/4/-/R/-

Scale = .1875"/ft.

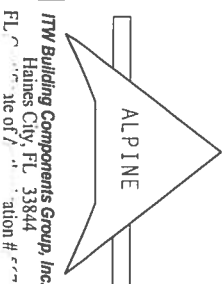
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI (CONSULTING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6200 ENTERPRISE LANE, MADISON, MI 48071 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. 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 BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASD AND TPI. ITW BCG, INC. IS NOT RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. A SEAL ON THIS DRAWING INDICATES THE SIGNATURE OF A PROFESSIONAL ENGINEER. THE SIGNATURE OF A PROFESSIONAL ENGINEER IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL	TC	LL	BC	DL	LL	LD	DUR.	FAC.	SEE	ABOVE	JREF	1T908228Z01
20.0	PSF	REF	R8228	-	37689	DATE	08/09/07	DRW	HCU8R8228	07221044	HC-ENG	DF/DF
10.0	PSF	SEQN	-	214679	REV	FROM	AH					



ITW Building Components Group, Inc.
Haines City, FL 33844
Phone # 888-444-4444
Fax # 888-444-4444

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

(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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/-/4/-/-/R/-/

Scale = .1875"/Ft.

*WARNING: THESE BUILDING COMPONENTS ARE IN FACTORIAL, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO GC-1 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PEAKE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND 6000 BRASS COMEST OF AMERICA, 65000 ENTERPRISE LANE, SUITE 150, #1519 FOR SAFETY PRACTICES PRIOR TO DEMANDING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PALETS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED GRID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, I

TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/P/A) AND IPI.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (H. 11/55/K) ASH A653 GRADE 40/60 (H. K/H.55) GALV. PLATES TO EACH FACE OF TRUSS AND WULFEST OVERLAPSE LOCATED ON THIS DESIGN POSITION PER DB

ANY INSPECTION OF PLATS FOLLOWED BY (1) SHALL BE PER ANNEY A3 OF 1911 2002 SEC. 3. A

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TR

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE ARCHITECT.

BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.

5.0424

QTY :

JAMES F. COLLINS
LICENSED
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Aug 09 07

1B

52272

5

Aug 09 07

1	FL/-/4/-/-/R/-	Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R8228 - 37690
TC DL	10.0 PSF	DATE 08/09/07
BC DL	10.0 PSF	DRW HCUR8R228 07221025
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN - 43105
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF - 1T9Q8228201

110 mph wind, 22.18 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ Gcpl(+/-)=0.55

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

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



Scale = .1875"/Ft.



2

STATE OF ...

FLUIDAX

1000



10. 50 6

TC LL	20.0 PSF	REF	R8228- 37691
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCU8R8228 07221026
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	43101
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T9Q8228Z01

Top chord 2x6 SP #2 :T3 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

110 mph wind, 20.68 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

#1 hip supports 7-0-0 jacks with no webs.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

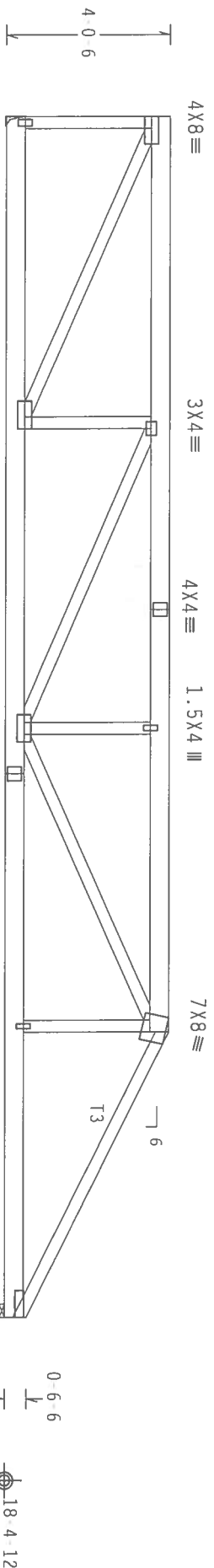
Nailling Schedule: (12d Box or Gun (0.128"x3.25", min.) nails)

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

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

Max JT VERT DEF: LL: 0.12" DL: 0.24" recommended camber 3/8"

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



7-5-5 7-5-5 7-5-5 7-0-0 7-0-0
22-4-0 29-4-0 Over 2 Supports
R=3182 U 204 R=2732 U=275 W=4"

PLT TYP. Wave

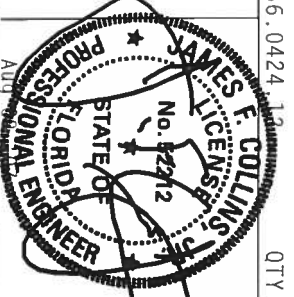
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

QTY: 1 FL/-/4/-/10/R/-

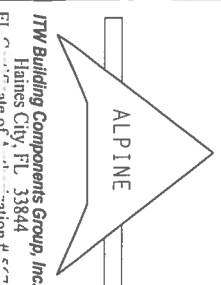
Scale = .25"/Ft.

****WARNING**** TRUSSES REQUIRE EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. AFTER TO BEC (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BGC, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF 2005 NATIONAL DESIGN SPEC. BY AIA/PAI AND TPI. CONNECTION PLATES ARE MADE OF 2014/T6064 (W/55%) ALUMINUM GRADE 40/60 (W/55%) GALV. STEEL. APPLY ANY INSPECTION OF ALL PARTS OF THE TRUSS. THIS DESIGN IS FOR THE TRUSS ONLY. THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY 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	R8228-37692
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCSR8228 07221027
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT. LD.	40.0 PSF	SEQN-	42989
DUR. FAC.	1.25	FROM	AH
SPACING	SEE ABOVE	JREF-	1T908228Z01



ITW Building Components Group, Inc.
Haines City, FL 33844
Phone: 888-444-4444
Fax: 888-444-4444
Website: www.alpineinc.com

110 mph wind @ 21.18 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



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

TC LL	20.0 PSF	REF	R8228- 37693
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221028
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEON-	42997
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T908228701

110 mph wind, 21.68 ft mean hgt, ASCE 7 02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi(+/-)=0.18

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

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



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/ -/4/ -/ -/R/ -

Scale = .25"/Ft.

WARNING: THIS PROJECT EXPERIMENT CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND PROTECTING OF THE FOLLOWING COMPONENT SAFETY INFORMATION. PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND (800) TRUSS COMPANY, 6500 WILSON AVENUE, SUITE 100, FARMERSBURGH, NY 11737. FOR SAFETY PRACTICES AND MEANS TO PREVENT THESE ACCIDENTS, UNLESS OTHERWISE INDICATED THE OWNER 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. ITH BCG, INC. SHALL NOT**

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AIAA) AND FPL. 1TH BCG

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND INDICATION OF FIELDY FOLLOWED BY (1) SHALL BE PLAIN ANGLE AS OF 1-1-1 2002 SEC.3. A SEAL ON THIS



TC LL	20.0 PSF	REF	R8228 - 37694
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCSUR8228 07221021
BC LL	0.0 PSF	HC - ENG	DF/DF
TOT. LD.	40.0 PSF	SEQN -	43008
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1T908228Z01

110 mph wind=22.18 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ Gcpl(+/-)=0.18



Scale = .25" / Ft.

****IMPORTANT**** URUSHI 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 IP1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR GRACING OF TRUSSES.

TC LL	20.0 PSF	REF	R8228- 37695
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCU8R8228 07221030
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEON-	43016
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T908228Z01

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

Wind reactions based on MMFRS pressures.
#1 hip supports 7-0-0 jacks with no webs.

```
#1 hip supports 7-0-0 jacks with no webs.
```



Scale = .375"/Ft.

TC LL	20.0 PSF	REF R8228 - 37696
TC DL	10.0 PSF	DATE 08/09/07

HC-ENG DF/DF

FL/-4/-1/-R-	Scale = .375"/Ft.
TC LL	REF R8228- 37696
TC DL	DATE 08/09/07
BC DL	DRW HCSUR8228 07221031
BC LL	HC-ENG DF/DF
TOT.LD.	SEQN- 42836
DUR.FAC.	FROM AH
SPACING SEE ABOVE	JREF- 1T908228Z01

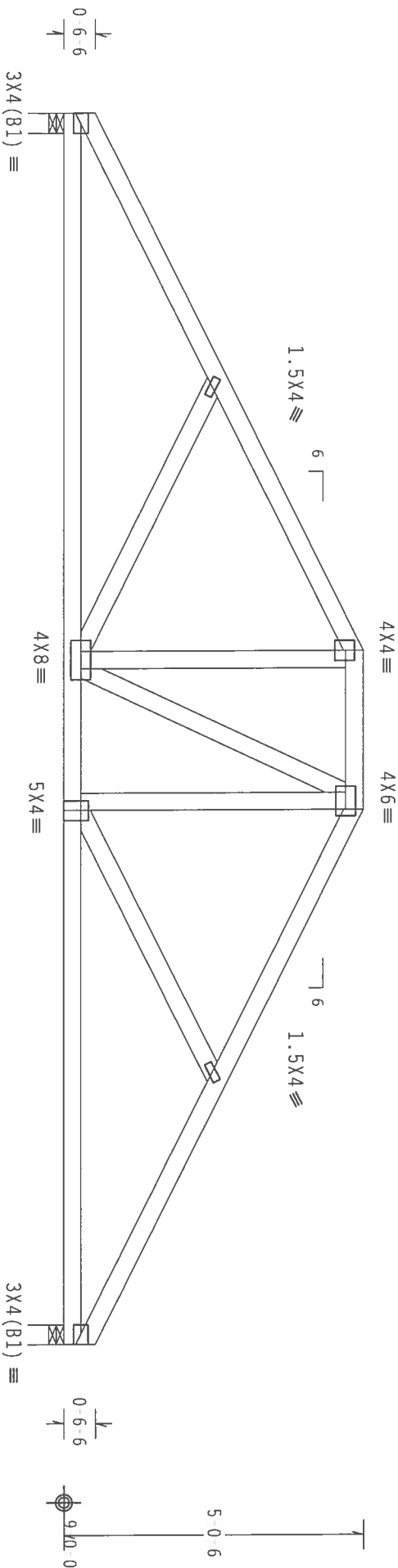
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

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



R-851 U-77 W-4"

R-851 U-77 W-4"

PLT TYP. Wave

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

7.36.0424.12

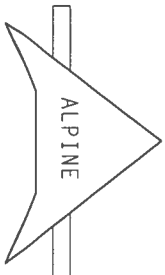
QTY:1

FL/-/4/-/-/R/-

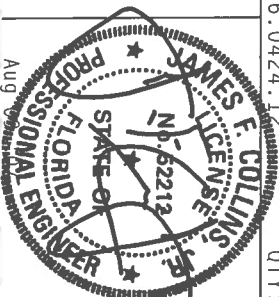
Scale = .375"/ft.

****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCG - (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TFW 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. BY A/RPA AND TPI. TFW BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY A/RPA AND TPI. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2, 160B, 160C, 160D, 160E, 160F, 160G, 160H, 160I, 160J, 160K, 160L, 160M, 160N, 160O, 160P, 160Q, 160R, 160S, 160T, 160U, 160V, 160W, 160X, 160Y, 160Z, 160AA, 160AB, 160AC, 160AD, 160AE, 160AF, 160AG, 160AH, 160AI, 160AJ, 160AK, 160AL, 160AM, 160AN, 160AO, 160AP, 160AQ, 160AR, 160AS, 160AT, 160AU, 160AV, 160AW, 160AX, 160AY, 160AZ, 160BA, 160BB, 160BC, 160BD, 160BE, 160BF, 160BG, 160BH, 160BI, 160BJ, 160BK, 160BL, 160BM, 160BN, 160BO, 160BP, 160BQ, 160BR, 160BS, 160BT, 160BU, 160BV, 160BW, 160BX, 160BY, 160BZ, 160CA, 160CB, 160CC, 160CD, 160CE, 160CF, 160CG, 160CH, 160CI, 160CJ, 160CK, 160CL, 160CM, 160CN, 160CO, 160CP, 160CQ, 160CR, 160CS, 160CT, 160CU, 160CV, 160CW, 160CX, 160CY, 160CZ, 160DA, 160DB, 160DC, 160DD, 160DE, 160DF, 160DG, 160DH, 160DI, 160DJ, 160DK, 160DL, 160DM, 160DN, 160DO, 160DP, 160DQ, 160DR, 160DS, 160DT, 160DU, 160DV, 160DW, 160DX, 160DY, 160DZ, 160EA, 160EB, 160EC, 160ED, 160EE, 160EF, 160EG, 160EH, 160EI, 160EJ, 160EK, 160EL, 160EM, 160EN, 160EO, 160EP, 160EQ, 160ER, 160ES, 160ET, 160EU, 160EV, 160EW, 160EX, 160EY, 160EZ, 160FA, 160FB, 160FC, 160FD, 160FE, 160FF, 160FG, 160FH, 160FI, 160FJ, 160FK, 160FL, 160FM, 160FN, 160FO, 160FP, 160FQ, 160FR, 160FS, 160FT, 160FU, 160FV, 160FW, 160FX, 160FY, 160FZ, 160GA, 160GB, 160GC, 160GD, 160GE, 160GF, 160GG, 160GH, 160GI, 160GJ, 160GK, 160GL, 160GM, 160GN, 160GO, 160GP, 160GQ, 160GR, 160GS, 160GT, 160GU, 160GV, 160GW, 160GX, 160GY, 160GZ, 160HA, 160HB, 160HC, 160HD, 160HE, 160HF, 160HG, 160HH, 160HI, 160HJ, 160HK, 160HL, 160HM, 160HN, 160HO, 160HP, 160HQ, 160HR, 160HS, 160HT, 160HU, 160HV, 160HW, 160HX, 160HY, 160HZ, 160IA, 160IB, 160IC, 160ID, 160IE, 160IF, 160IG, 160IH, 160II, 160IJ, 160IK, 160IL, 160IM, 160IN, 160IO, 160IP, 160IQ, 160IR, 160IS, 160IT, 160IU, 160IV, 160IW, 160IX, 160IY, 160IZ, 160JA, 160JB, 160JC, 160JD, 160JE, 160JF, 160JG, 160JH, 160JI, 160JJ, 160JK, 160JL, 160JM, 160JN, 160JO, 160JP, 160JQ, 160JR, 160JS, 160JT, 160JU, 160JV, 160JW, 160JX, 160JY, 160JZ, 160KA, 160KB, 160KC, 160KD, 160KE, 160KF, 160KG, 160KH, 160KI, 160KJ, 160KK, 160KL, 160KM, 160KN, 160KO, 160KP, 160KQ, 160KR, 160KS, 160KT, 160KU, 160KV, 160KW, 160KX, 160KY, 160KZ, 160LA, 160LB, 160LC, 160LD, 160LE, 160LF, 160LG, 160LH, 160LI, 160LJ, 160LK, 160LL, 160LM, 160LN, 160LO, 160LP, 160LQ, 160LR, 160LS, 160LT, 160LU, 160LV, 160LW, 160LX, 160LY, 160LZ, 160MA, 160MB, 160MC, 160MD, 160ME, 160MF, 160MG, 160MH, 160MI, 160MJ, 160MK, 160ML, 160MN, 160MO, 160MP, 160MQ, 160MR, 160MS, 160MT, 160MU, 160MV, 160MW, 160MX, 160MY, 160MZ, 160NA, 160NB, 160NC, 160ND, 160NE, 160NF, 160NG, 160NH, 160NI, 160NJ, 160NK, 160NL, 160NM, 160NO, 160NP, 160NQ, 160NR, 160NS, 160NT, 160NU, 160NV, 160NW, 160NX, 160NY, 160NZ, 160OA, 160OB, 160OC, 160OD, 160OE, 160OF, 160OG, 160OH, 160OI, 160OJ, 160OK, 160OL, 160OM, 160ON, 160OO, 160OP, 160OQ, 160OR, 160OS, 160OT, 160OU, 160OV, 160OW, 160OX, 160OY, 160OZ, 160PA, 160PB, 160PC, 160PD, 160PE, 160PF, 160PG, 160PH, 160PI, 160PJ, 160PK, 160PL, 160PM, 160PN, 160PO, 160PP, 160PQ, 160PR, 160PS, 160PT, 160PU, 160PV, 160PW, 160PX, 160PY, 160PZ, 160QA, 160QB, 160QC, 160QD, 160QE, 160QF, 160QG, 160QH, 160QI, 160QJ, 160QK, 160QL, 160QM, 160QN, 160QO, 160QP, 160QQ, 160QR, 160QS, 160QT, 160QU, 160QV, 160QW, 160QX, 160QY, 160QZ, 160RA, 160RB, 160RC, 160RD, 160RE, 160RF, 160RG, 160RH, 160RI, 160RJ, 160RK, 160RL, 160RM, 160RN, 160RO, 160RP, 160RQ, 160RR, 160RS, 160RT, 160RU, 160RV, 160RW, 160RX, 160RY, 160RZ, 160SA, 160SB, 160SC, 160SD, 160SE, 160SF, 160SG, 160SH, 160SI, 160SJ, 160SK, 160SL, 160SM, 160SN, 160SO, 160SP, 160SQ, 160SR, 160SS, 160ST, 160SU, 160SV, 160SW, 160SX, 160SY, 160SZ, 160TA, 160TB, 160TC, 160TD, 160TE, 160TF, 160TG, 160TH, 160TI, 160TJ, 160TK, 160TL, 160TM, 160TN, 160TO, 160TP, 160TQ, 160TR, 160TS, 160TT, 160TU, 160TV, 160TW, 160TX, 160TY, 160TZ, 160UA, 160UB, 160UC, 160UD, 160UE, 160UF, 160UG, 160UH, 160UI, 160UJ, 160UK, 160UL, 160UM, 160UN, 160UO, 160UP, 160UQ, 160UR, 160US, 160UT, 160UU, 160UV, 160UW, 160UX, 160UY, 160UZ, 160VA, 160VB, 160VC, 160VD, 160VE, 160VF, 160VG, 160VH, 160VI, 160VJ, 160VK, 160VL, 160VM, 160VN, 160VO, 160VP, 160VQ, 160VR, 160VS, 160VT, 160VU, 160VV, 160VW, 160VX, 160VY, 160VZ, 160WA, 160WB, 160WC, 160WD, 160WE, 160WF, 160WG, 160WH, 160WI, 160WJ, 160WK, 160WL, 160WM, 160WN, 160WO, 160WP, 160WQ, 160WR, 160WS, 160WT, 160WU, 160WV, 160WW, 160WX, 160WY, 160WZ, 160XA, 160XB, 160XC, 160XD, 160XE, 160XF, 160XG, 160XH, 160XI, 160XJ, 160XK, 160XL, 160XM, 160XN, 160XO, 160XP, 160XQ, 160XR, 160XS, 160XT, 160XU, 160XV, 160XW, 160XX, 160XY, 160XZ, 160YA, 160YB, 160YC, 160YD, 160YE, 160YF, 160YG, 160YH, 160YI, 160YJ, 160YK, 160YL, 160YM, 160YN, 160YO, 160YP, 160YQ, 160YR, 160YS, 160YT, 160YU, 160YV, 160YW, 160YX, 160YY, 160YZ, 160ZA, 160ZB, 160ZC, 160ZD, 160ZE, 160ZF, 160ZG, 160ZH, 160ZI, 160ZJ, 160ZK, 160ZL, 160ZM, 160ZN, 160ZO, 160ZP, 160ZQ, 160ZR, 160ZS, 160ZT, 160ZU, 160ZV, 160ZW, 160ZX, 160ZY, 160ZZ



TFW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 547



TC LL	20.0 PSF	REF	R8228- 37697
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221001
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT. LD.	40.0 PSF	SEQN-	42842
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T9Q8228Z01

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED pbg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=-0.18



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

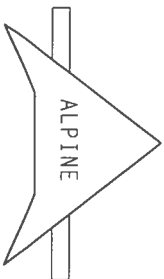
 $C_q/RT=1.00(1.25)/10(0)$

7.36.0424

QTY:1

FL/-/4/-/1/-/R/-/

Scale = .375"/Ft.



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

WARNING: THESE BUILDING COMPONENTS CANNOT BE FABRICATED, HANDLED, SHIPPED, UNLOADED, INSTALLING AND BRACKETING WITHOUT THE FOLLOWING COMPONENT SAFETY INFORMATION. PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICKIWOOD TRUSS COMPANY, 65000 TRUSS COMPANY DRIVE, LUTHERBURG, MD, 20639. THIS SAFETY PRACTICES GUIDE IS FOR INFORMATION ONLY. IT IS NOT A SUBSTITUTE FOR THE TRUSS COMPANY'S SAFETY PRACTICES. UNLESS OTHERWISE INDICATED, THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

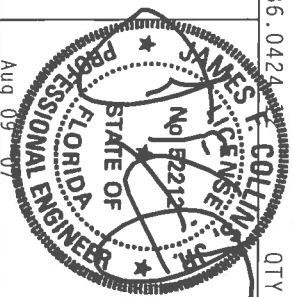
****IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT**

IP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

PLATES TO FACIL FACT OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWING 1604-7 CONNECTION PLATES SHALL HAVE OF 20/10/1000 (N.H./35/K) 431M A653 GRADE 40/60 (N. K/H.35) GALV. STEEL. APPLY

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228 - 37698
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221002
BC LL	0.0 PSF	HC-ENG DF/DF	*
TOT.LD.	40.0 PSF	SEQN-	43127
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1T9Q8228Z01

המחברת מודה לפרופ' ד"ר יעקב גולדברג, מנהל המכון למחקר ופיתוח, על סיועו במימון מחקר זה.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.)_nails)

10. *Chlorophyll *a** and *Chlorophyll *b** were determined by the method of Lichtenthaler (1987).

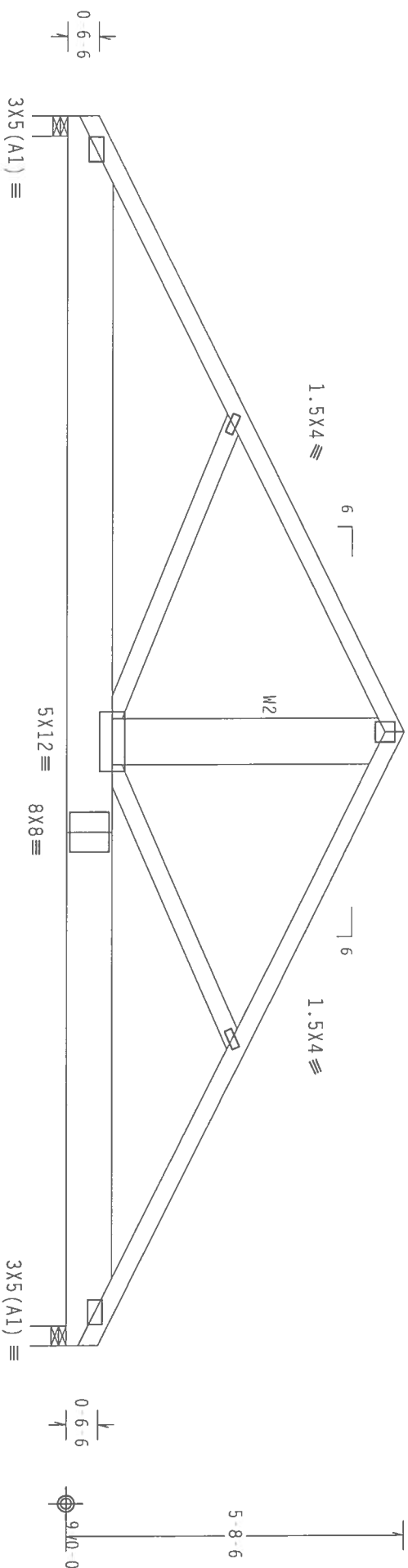
Nailing Schedule: (12d_Box_or_Gun_(0.128"x3.25",_min.)_nails)

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

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

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

4X4=



R=1865 U=201 W=4

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/-/4/-/-/R/-

Scale = .375"/Ft.

*WARNING: *TRUCKS, INCLUDING EXISTING CARS IN PAVEMENTATION, HANDLING, SHIPPING, INSTALLING AND PRACTICING REFERS TO ACSEI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NCCA (WOOD TRUSS COUNCIL OF AMERICA, 63000 ENTERPRISE AVE., SUITE 411, 53179) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNDESIGNED OR 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**

TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTION PLATES ARE MADE OF 20/18/16GA (H.H./SS/K) 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 16GA 2

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

100

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

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

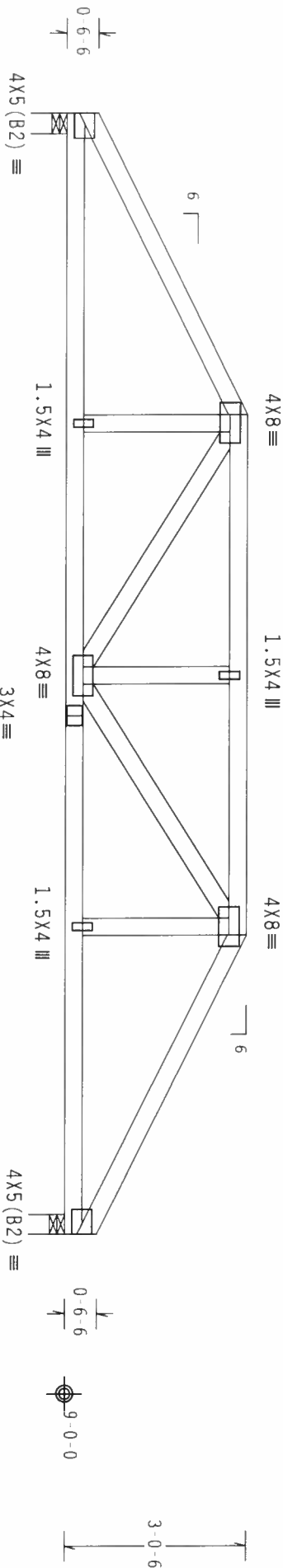
Wind reactions based on MMFRS pressures.

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

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

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



5'-0" 4'-4" 8'-8" 4'-4" 5'-0" 5'-0"

18'-8" Over 2 Supports

R=1237 U=112 W=4"

PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC

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

7.36.0424 10/1/01

FL/-/4/-/-/R/-

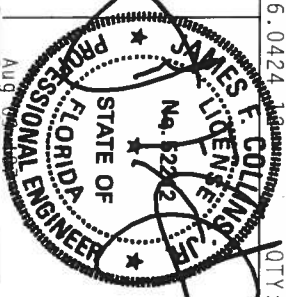
Scale = .375"/ft.

WARNING TRUSSES REQUIRE EXTERIOR, GABLE, OR FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 FAIRBANKS LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO DEFORMING THESE TRUSSES. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ALPINE) AND TPI. THE BCG, INC. HAS BEEN LICENSED BY THE STATE OF FLORIDA AS A PROFESSIONAL ENGINEER. THE BCG, INC. HAS BEEN LICENSED BY THE STATE OF FLORIDA AS A PROFESSIONAL ENGINEER. THE BCG, INC. HAS BEEN LICENSED BY THE STATE OF FLORIDA AS A PROFESSIONAL ENGINEER.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Registration # 5277



TC LL	20.0 PSF	REF R8228- 37700
TC DL	10.0 PSF	DATE 08/09/07
BC DL	10.0 PSF	DRW HCUR8228 07221033
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEON- 43036
DUR.FAC.	1.25	FROM AH
SPACING	SEE ABOVE	JREF- 1T9Q8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x10 SP SS
Webs 2x4 SP #3 :W3, W5 2x10 SP SS:

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC From 62 PLF at 0.00 to 62 PLF at 5.42
TC From 62 PLF at 5.42 to 62 PLF at 13.25
TC From 62 PLF at 13.25 to 62 PLF at 18.67
BC From 20 PLF at 0.00 to 20 PLF at 18.67
BC 2000 LB Conc. Load at 10.48

Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

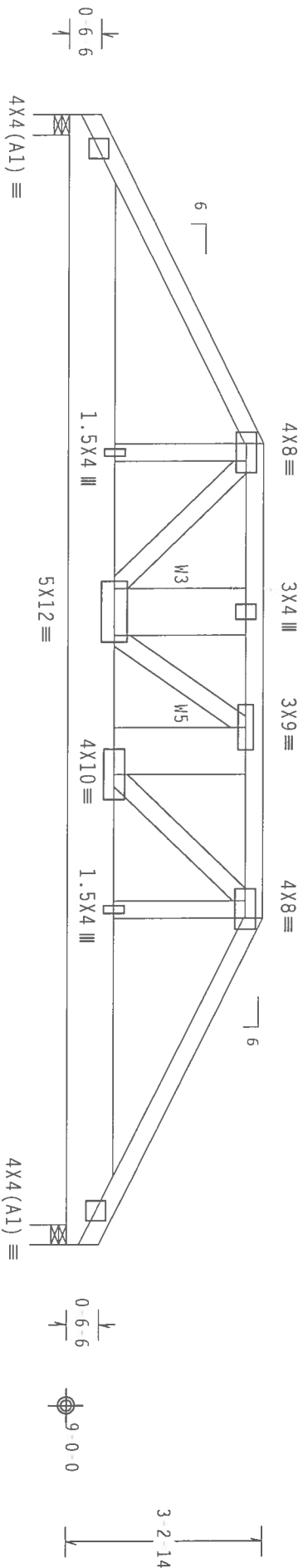
NOTE: THIS TRUSS MUST BE INSTALLED AS SHOWN. IT CAN NOT BE FLIPPED END FOR END.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

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



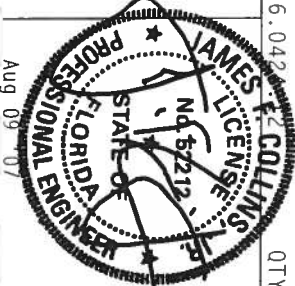
R=1644 U=177 W=4"
R=1893 U=204 W=4"

PLT TYP. Wave Design Crit: TPI-2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0) 7.36.042 COLLINS QTY:1 FL/-/4/-/R/- Scale =.375"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING. REFER TO BCSI (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 REFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Registration # 667



TC LL	20.0 PSF	REF R8228- 37701
TC DL	10.0 PSF	DATE 08/09/07
BC DL	10.0 PSF	DRW HCUR8228 07221034
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 43158
DUR.FAC.	1.25	FROM AH
SPACING	SEE ABOVE	JREF- 1T908228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Stack Chord SC1 2x4 SP #2 Dense;
Stack Chord SC2 2x4 SP #2 Dense;

Truss spaced at 24.0" OC designed to support 2.0 0 top chord
outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must
not be cut or notched.

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

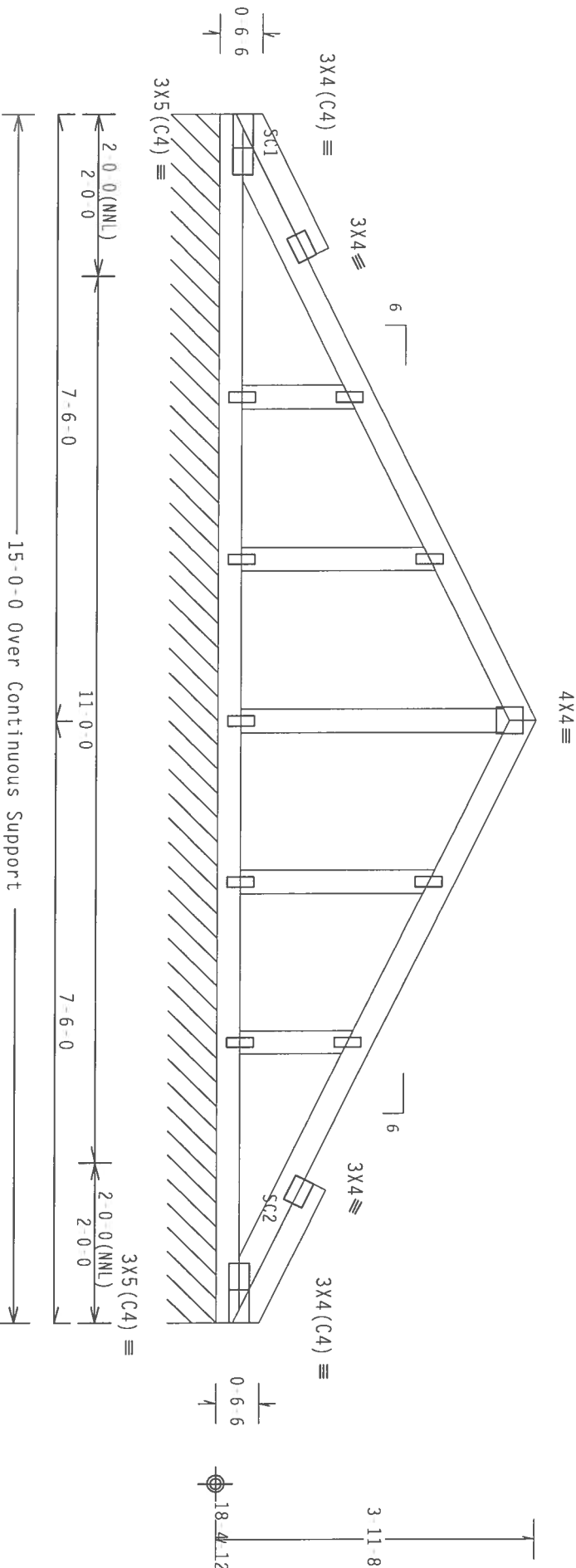
Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.

110 mph wind, 20.52 ft mean hgt, ASCE 7-02, CLOSED bldg, located
anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0
psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind reactions based on MMFRS pressures.

See DWGS A11030FE0207 & GBLLETIN0207 for more requirements.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF
THE ROOF, FLOOR AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS,
AND SUPPORTING SHEAR WALLS. DIAPHRAGMS AND SHEAR WALLS MUST
PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL
CONNECTIONS ARE TO BE PROVIDED BY THE BUILDING DESIGNER.



R=157 PLF U-36 PLF W=15.0-0

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

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

7.36.0424-1 QTY:1

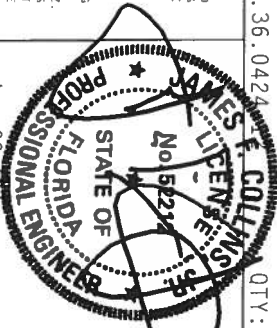
FL/-/4/-/1-/R/-

Scale = .5"/ft.

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

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

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # SC7



TC LL	20.0 PSF	REF R8228-37702
TC DL	10.0 PSF	DATE 08/09/07
BC DL	10.0 PSF	DRW HCURS8228 07221003
BC LL	0.0 PSF	HC-ENG DF/DF *
TOT. LD.	40.0 PSF	SEQN- 42806
DUR. FAC.	1.25	FROM AH
SPACING	SEE ABOVE	UREF- 1T908228201

Top Chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
Webs 2x4 SP #3

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC From 62 PLF at 0.00 to 62 PLF at 7.50
TC From 62 PLF at 7.50 to 62 PLF at 15.00
BC From 20 PLF at 0.00 to 20 PLF at 15.00
BC 1142 LB Conc. Load at 1.40, 14.27
BC 1151 LB Conc. Load at 3.40, 5.40, 7.40, 8.27, 10.27
12.27

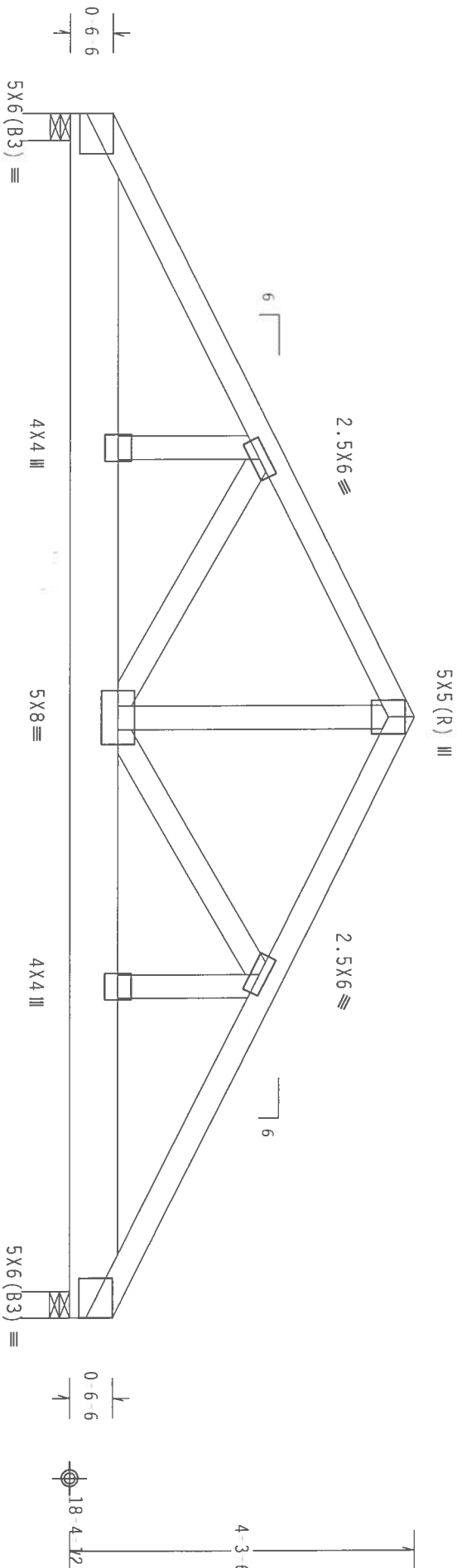
Wind reactions based on MMFRS pressures.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

110 mph wind, 20.80 ft mean hgt, ASCE 7-02, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf,
wind BC DL=5.0 psf. $I_w=1.00$ Gcpi (+/-)=0.18

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



4 1 12 7-6-0 3-4-4 3-4-4 7-6-0 4 1 12
R=5004 U=1620 W=4"
R=5420 U=1763 W=4"

PLT TYP. Wave

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

QTY: 1 FL/-/4/-/-/R/-

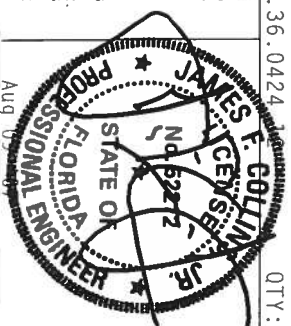
Scale = .5"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 216 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NICK (NICK 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 FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 905 (NATIONAL DESIGN SPEC. BY AISC) AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (WAL/SS/VS) ASH 6051 GRADE 40/60 (W. 6/21/55 GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED IN THIS DESIGN, POSITION PER DRAWINGS 160A Z.

THESE TRUSSES ARE DESIGNED FOR THE FOLLOWING LOADS AND CONDITIONS. THE DESIGNER IS RESPONSIBLE FOR THE TRUSS CHORDS BEING PROPERLY ATTACHED TO THE BUILDING STRUCTURE. THE STABILITY 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 R8228- 37703
TC DL	10.0 PSF	DATE 08/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07221035
BC LL	0.0 PSF	HC-ENG DF/DF
TOT. LD.	40.0 PSF	SEQN- 43122
DUR. FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T908228201

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Registration # 677

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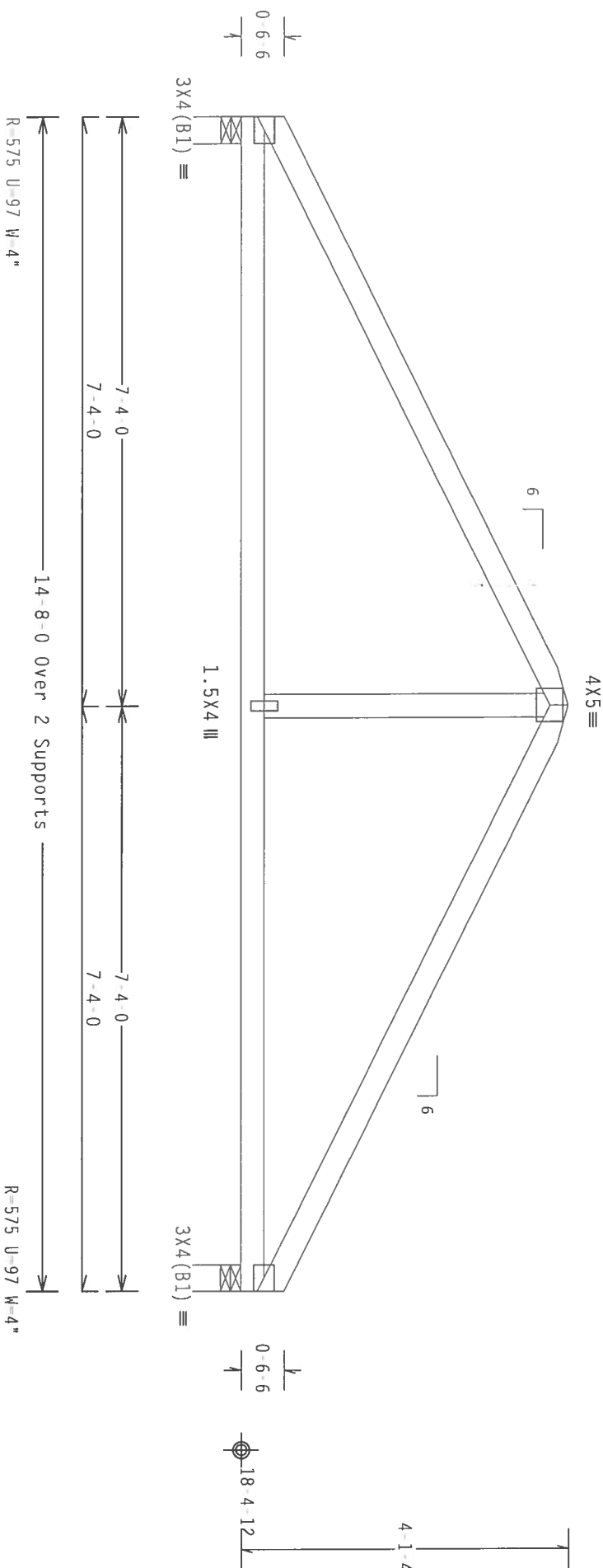


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2

Wind reactions based on MAFRS pressures.

110 mph wind, 20.65 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18



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

QTY:1

FL/-/4/-/-/R/-

Scale = .5"/Ft.

WARNING **FALLS, SLIDING, EXISTING, CAVE, IN, FAMILICATION, HANDLING, SHIPPING, INSTALLING, AND OPERATING
RETURN TO MCS1 (BUDIDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE (GRASS PEST, INSTITUTE, 218
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NICA (NORTH CAROLINA) OF AMERICA, 65000
ENTERPRISE LANE, MADISON, MI, 48131) FOR SAFETY PRACTICES PRIOR TO PERFORMANCE THESE FUNCTIONS
OTHERWISE INDICATED THAT CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED CHORD CEILING.

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

IP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

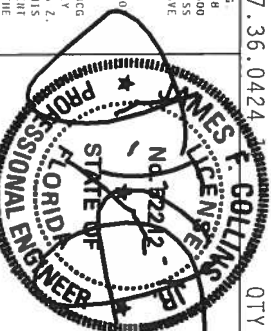
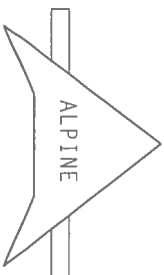
CONNECTOR PLATES ARE MADE OF 20/10/16GA (M, H, S, K) ASTM A653 GRADE 40/60 (H, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS 1604.2

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT ANY INSPECTION OF PLATELS FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF IP11 2002 SEC.3. A SEAL ON THIS

BUILDING DESIGNER PFR ANSI/PI 1 SEC. 2.

1
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ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

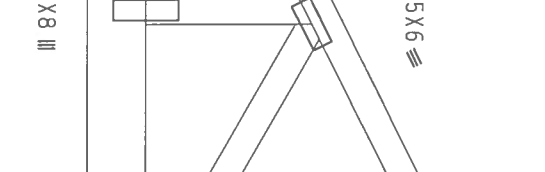


FL/-/4/-/-/R/-	Scale = .5"/ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"
REF	R8228 - 37705
DATE	08/09/07
DRW	HCSUR8228 07221004
HC-ENG DF/DF	*
SEON	42899
FROM	AH
JREF	11908228Z01

nails)

DL-5.0 psf,

step increase



Cg

7.36.0424

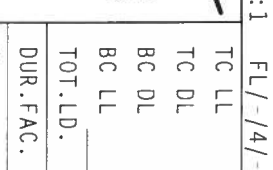
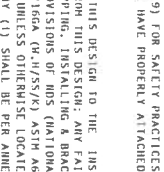
Scale = .5" / Ft.

HAVE PROPERLY ATTACHED

SPRING, INSTALLING & BRACING DIVISIONS OF NDS (NATIONAL)

PROFESSIONAL ENGINEERING AND USE OF THIS COMPONENT

PROFESSIONAL ENGINEERING
AND USE OF THIS COMPONENT
C. 2.



$1/R$	
20.0 PSF	F
10.0 PSF	T
10.0 PSF	T
0.0 PSF	H
40.0 PSF	S
1.25	F
24.0"	

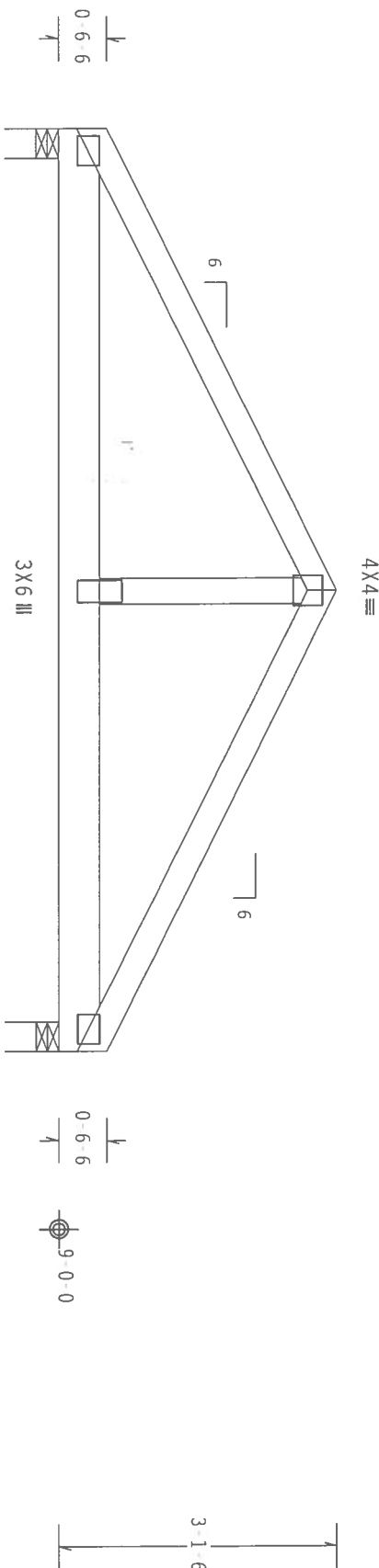
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x6	SP	#2	
	webs	2x4	SP	#3	

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

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC From 62 PLF at 0.00 to 62 PLF at 5.17	
TC From 62 PLF at 5.17 to 62 PLF at 10.33	
BC From 20 PLF at 0.00 to 20 PLF at 10.33	
BC 292 LB Conc. Load at 1.90, 3.90, 5.17, 6.44, 8.44	

Wind reactions based on MWFRS pressures.


$$3 \times 4(A1) =$$
$$3 \times 4(A1) =$$

$R=1155$ $U=51$ $W=4^n$

R-1155 U-51 W-4

PLT TYP. Wave

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

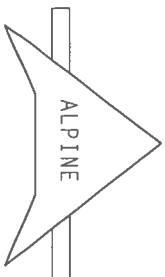
$$Cq/RT=1.00(1.25)/10(0)$$

7.36.0424.12

QTY:1

FL/-/4/-/-/R/-/

Scale = .5"/ft.



-WARNING- THIS RECORDING EXISTENCE CAME IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO GC51 (BUILDING COMPONENTS SAFETY INFORMATION). PUBLISHED BY TPI (TRESS PAUL INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD PRESERVATION COUNCIL OF AMERICA), INTERPRESE LAKE, MADISON, WI, 53719 FOR SAFETY PRACTICES PRIOR TO REFRAMMING THESE STRUCTURES. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUTTING PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED KICKED PANELS.

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

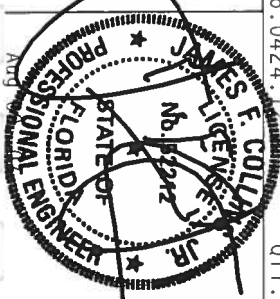
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI.

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A AND 160B.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667



TC LL	20.0 PSF	REF	R8228 - 3/7707
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUS88228 07221038
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT. LD.	40.0 PSF	SEQN-	42798
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	17908228201

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

Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLETTIN0207 for more requirements.

carriers. Clamping load shall not exceed 10.00 PSI. Top chord must not be cut or notched.

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

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF, FLOOR AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS AND SUPPORTING SHEAR WALLS. DIAPHRAGMS AND SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS ARE TO BE PROVIDED BY THE BUILDING DESIGNER.



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

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

12

QTY:1

FL/14/1-1R/1-

Scale = .5"/Ft.

*****WARNING***** FRAMES ROUTINE EXISTING CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BROUGHT
REFER TO GC51 (BUILDING CONSTRUCTION SAFETY INFORMATION), PUBLISHED BY IP1 (RISK PRACTICE INSTITUTE), 218
HONTI LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WEA (WOOD TRUSS COUNCIL OF AMERICA, 63000
ENTERPRISE LANE, MIDLOTHIAN, VA, 23119) FOR SAFETY PRACTICES PRIOR TO ERECTION. UNDESIRABLE
CONDITIONS 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. ITH BCG, INC. SHALL NOT

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

[illegible]

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX AS OF TP11 2002 SEC.3.
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SUFFICE FOR THE
A SEAL ON THIS SIDE

DESIGN SHOW. 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

FL / 4 / - / K / -	Scale = .5" / ft.
IC LL	REF R8228 - 37708
TC DL	DATE 08/09/07
BC DL	DRW HCUSR8228 072210
BC LL	HC-ENG DF/DF
TOT.LD.	SEQN- 42802
DUR.FAC. 1.25	FROM AH
SPACING SEE ABOVE	JRF- 1T9Q8728Z01

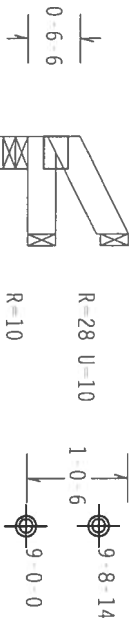
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MMFRS pressures.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

6



1 0 0 Over 3 Supports
R=45 W=4"

PLT TYP. Wave

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

7.36.04211.1 COLLINS

QTY:1

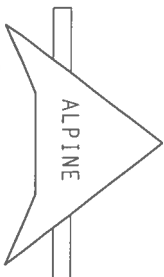
FL/-/4/-/-/R/-

Scale =.5"/ft.

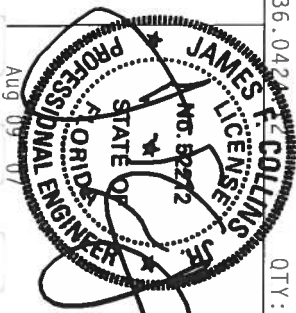
****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WICKA (WOOD TRUSS COUNCIL OF AMERICA, 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 CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (ADDITIONAL DESIGN SPEC. BY AISC) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SSVS) ASTM A653 GRADE 40/60 (W. K/H/SS) GALV. STEEL. APPLY ANY SPECIFICATION OF MATERIALS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEER. THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL State of Florida Registration # 6777



TC LL	20.0 PSF	REF	R8228 - 37709
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCU8228 07221006
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT. LD.	40.0 PSF	SEQN-	42743
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T908228Z01

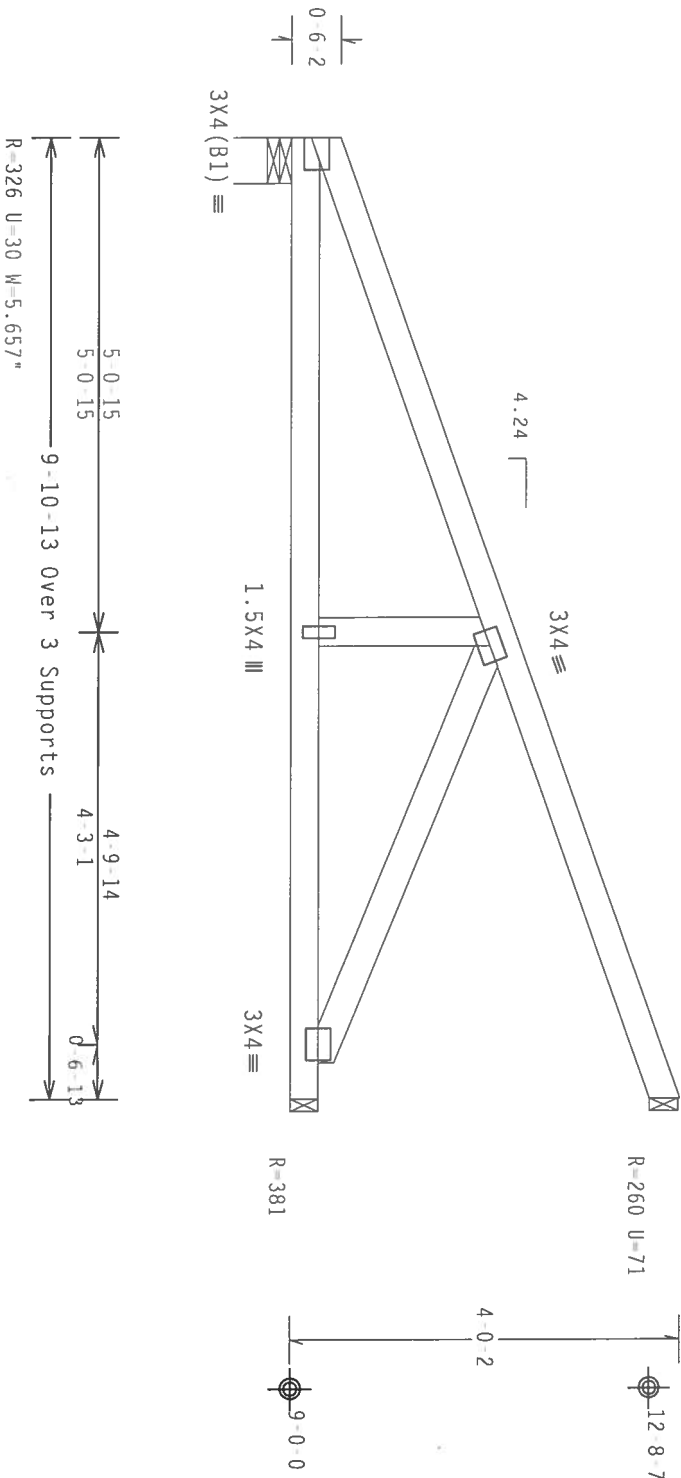
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

Hipjack supports 7-0-0 setback jacks with no webs.



PLT TYP. Wave

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

7.36.0424

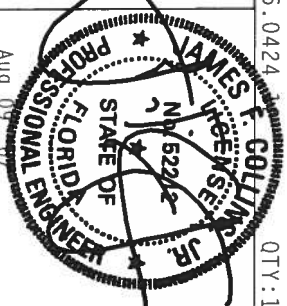
QTY:1

FL/-/4/-/1/R/-

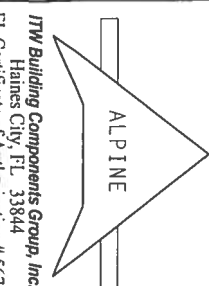
Scale =.5"/ft.

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/AIA AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S/P) ASH AS53 GRADE 40/60 (4, K/H, S3) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES ACCEPTABLE PROPORTIONS AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



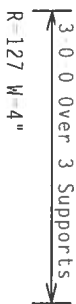
TC LL	20.0 PSF	REF R8228- 37710
TC DL	10.0 PSF	DATE 08/09/07
BC DL	10.0 PSF	DRW HCUR8228 07221039
BC LL	0.0 PSF	HC-ENG DF/DF
TOT. LD.	40.0 PSF	SEQN- 42773
DUR. FAC.	1.25	FROM AH
SPACING	SEE ABOVE	JREF- 1T908228Z01



ITW Building Components Group, Inc.
Haines City, FL 33844
FL 33844

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

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



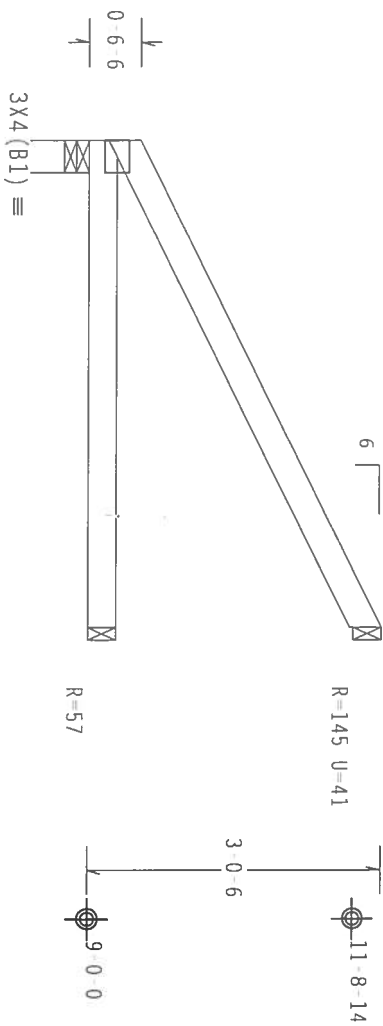
Scale = .5"/Ft.

****IMPORTANT**** BRUSH 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 OR FABRICATING, HANDLING, SHIPPING, INSTALLING, BRACING OF TRUSSES.

TC LL	20.0 PSF	REF	R8228- 37711
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCU8R8228 0722100
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	42749
DUR.FAC.	1.25	FROM	AH
SPACING	24.0 "	UREF-	1T9Q8228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Wind reactions based on MMFRS pressures.

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, $I_w=1.00$ $G_{cpl}(+/-)=0.18$
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



5-0-0 Over 3 Supports
R=209 U=1 W=4"

PLT TYP. Wave

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

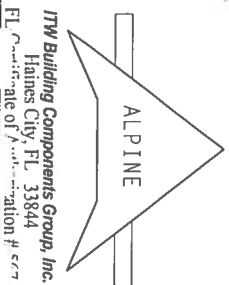
7.36.0424

QTY:1 FL/-/4/-/R/-

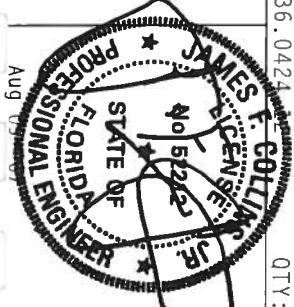
Scale =.5"/ft.

****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), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. BY A/R/M) AND TPI. DESIGN CONTRACTS WITH APPLICABLE PROVISIONS OR MOD (QUALITY DESIGN SPEC. BY A/R/M) AND TPI. ITW BCG PLATES TO EACH FACE OF TRUSSES 20/10/1600 (W/1/53/5) ASH A653 GRADE 40/60 (W. 4/11.53) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (S) SHALL BE RESPONSIBLE OF THE TRUSS CONTRACTOR. THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS CONTRACTOR'S 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.



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Haines City, FL 33844
FL Certificate of Authorization # 677



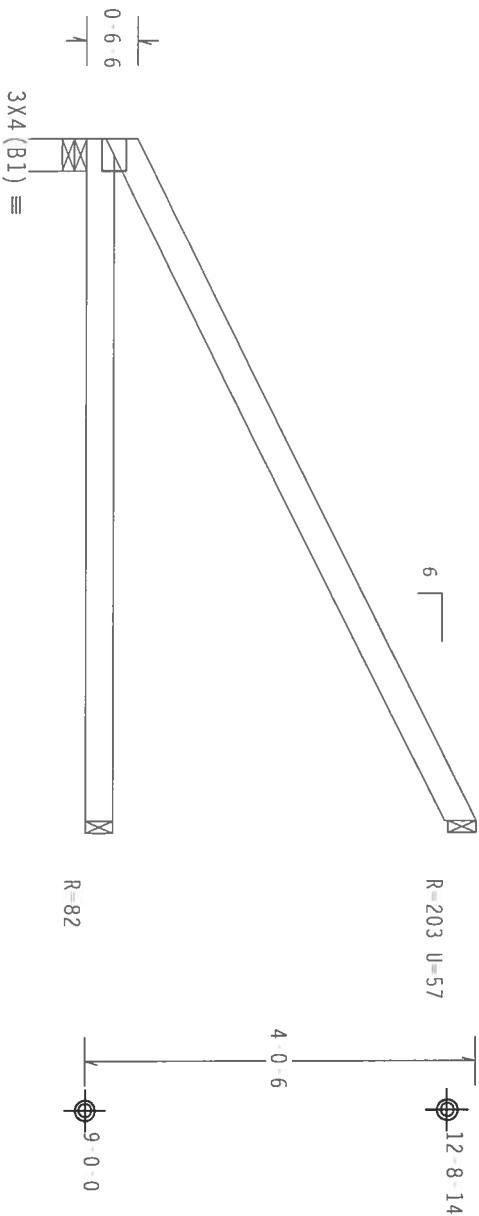
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TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCU8R8228 07221008
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT. LD.	40.0 PSF	SEQN-	42753
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	UREF-	1T908228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MMFRS pressures.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



7-0-0 Over 3 Supports
R-292 U-3 W-4"

PLT TYP. Wave

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

7.36.0424

QTY:1

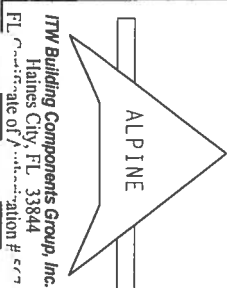
FL/-/4/-/-/R/-

Scale =.5"/Ft.

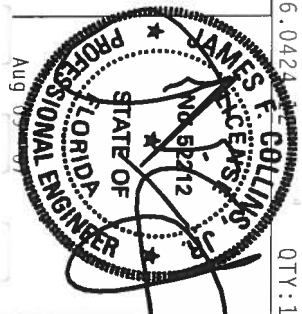
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6300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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOB (NATIONAL DESIGN SPEC. BY AIA/AIA AND TPI. THE BCS, 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.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL State of Florida Registration # 677



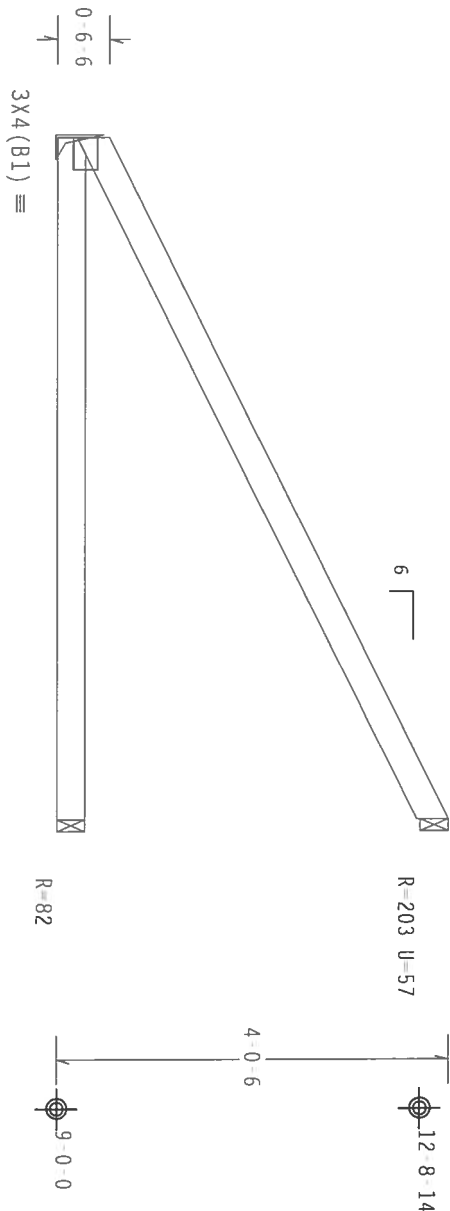
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TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCU8R8228 07221009
BC LL	0.0 PSF	HC-ENG DF/DF	*
TOT.LD.	40.0 PSF	SEON-	42758
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T908228201

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MMFRS pressures.

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

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



7-0-0 Over 3 Supports

PLT TYP. Wave

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

7.36.0424.12

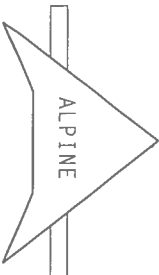
QTY:1

FL/-/4/-/-/R/-

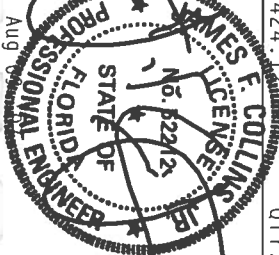
Scale = .5"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 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. 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 BY ATRAP AND TPI. ITW BCG HAS PROVIDED NO WARRANTIES OR GUARANTEES OF ANY KIND, INCLUDING BUT NOT LIMITED TO, THE TRUSS PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16012. 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.



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Haines City, FL 33844
FL Certificate of Registration # 667



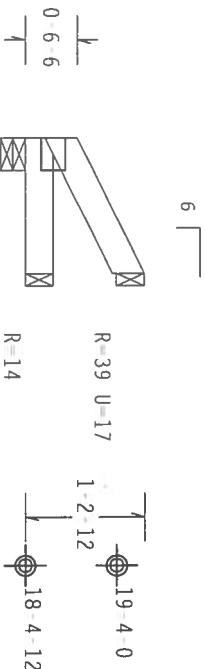
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TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCU8R8228-07221010
BC LL	0.0 PSF	HC-ENG DF/DF	*
TOT. LD.	40.0 PSF	SEQN-	42793
DUR. FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T908228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MMFRS pressures.

110 mph wind, 19.28 ft mean hgt, ASCE 7-02, CLOSED bldg, located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf, lw=1.00 GCPI (+/-)=0.18

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



1-4-11 Over 3 Supports
R=61 U=1 W=4"

PLT TYP. Wave

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

7.36.0424 COLLING

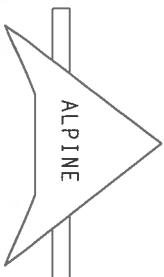
QTY:1 FL/-/4/-/R/-

Scale = .5"/ft.

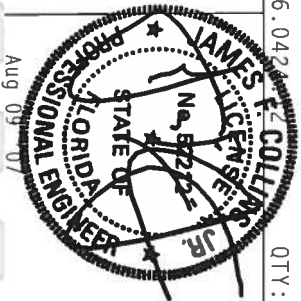
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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 CONDITIONS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC. BY AIA/PA AND TPI. ITW BCG CONNECTION PLATES ARE MADE OF 20/10/HIGH (H/H/ST/4) ASH A663 GRADE 40/50 (N. 47H/55) GALV. STEEL. APPLY TO ALL TRUSSES. CONNECTIONS TO BE MADE IN ACCORDANCE WITH THE CONNECTION PER DRAWING 1000-2. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE REQUIRED AS OF 10/1/2002 SECTION 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 Registration # 447




TC LL	20.0 PSF	REF R8228-37715
TC DL	10.0 PSF	DATE 08/09/07
BC DL	10.0 PSF	DRW HCUR8228 07221011
BC LL	0.0 PSF	HC-ENG DF/DF
TOT. LD.	40.0 PSF	SEQN- 42861
DUR. FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T908228Z01

SPECIAL LOADS			
	LUMBER	DUR.FAC. = 1.25	PLATE DUR.FAC. = 1.25
TC -	From	62 PLF at 0.00 to	62 PLF at 6.18
BC -	From	20 PLF at 0.00 to	20 PLF at 6.18
TC -	39 LB Conc. load at	1.76	
TC -	120 LB Conc. load at	5.17	
BC -	14 LB Conc. load at	1.76	
BC -	47 LB Conc. load at	5.17	

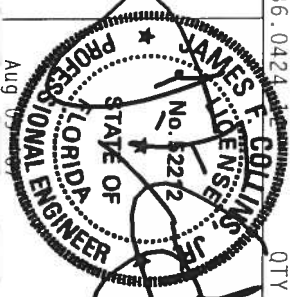


Scale = .5"/Ft

****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**



ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667



TC LL	20.0 PSF	REF	R8228- 37716
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221040
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	42879
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T908228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

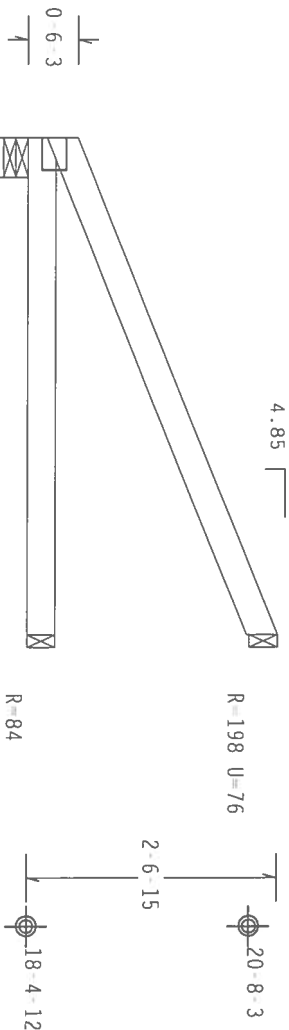
110 mph wind, 19.94 ft mean hgt, ASCE 7-02, CLOSED bldg, located
anywhere in roof, CAT 11, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0
psf. $I_w=1.00$ $GCP(+/)=0.18$

Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 5.10
BC - From 20 PLF at 0.00 to 20 PLF at 5.10
TC - 39 LB Conc. Load at 1.76
TC - 73 LB Conc. Load at 3.16
BC - 14 LB Conc. Load at 1.76
BC - 27 LB Conc. Load at 3.16



5-1-3 Over 3 Supports
R-287 U=59 W=4.946"

PLT TYP. Wave

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

7.36.0424.12

QTY:1

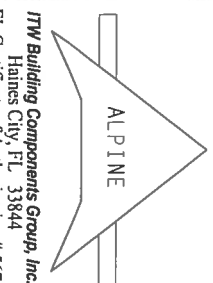
FL/-/4/-/R/-

Scale =.5"/ft.

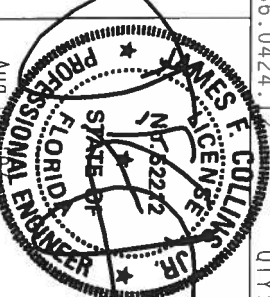
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BEST (CONCLUDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCCA (WOOD TRUSS COUNCIL OF AMERICA, 6300
ENTERPRISE LANE, MADISON, MI 48071) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA AND TPI.
DESIGN TO PLATES (NDS 2010/1604 (4.0/5.75) ASH 4853 GRADE, 40/60 (4. K/1.55) GALV. STEEL. APPLY
PLATES TO PLATES (NDS 2010/1604 (4.0/5.75) ASH 4853 GRADE, 40/60 (4. K/1.55) GALV. STEEL. APPLY
ANY INSPECTION OF PLATES FOLLOWED BY PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS AND THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS AND THIS
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



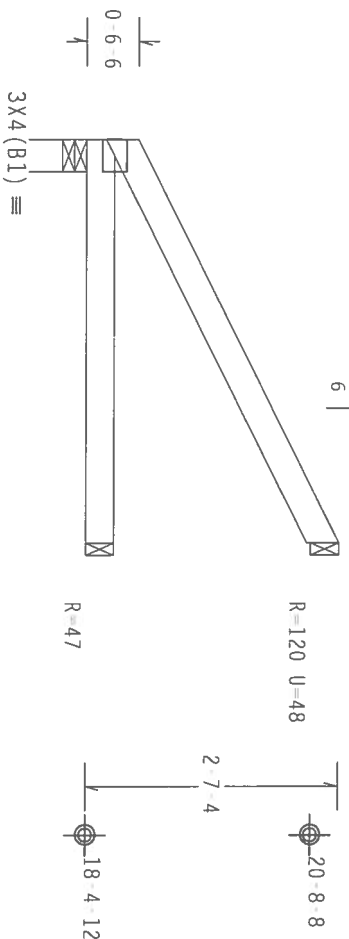
ITW Building Components Group, Inc.
Haines City, FL 33844
FL 33844
Haines City, FL 33844
Haines City, FL 33844



TC LL	20.0 PSF	REF	R8228-3717
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221041
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN	42887
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF	1T908228Z01

Wind reactions based on MIFRS pressures.

110 mph wind, 19.96 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. $1w=1.00$ GCP1(+/-) 0.18



0 20 3-11-11
 ← -4-1-11 Over 3 Supports →
 R-174 U-10 W-4"

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

QTY:1

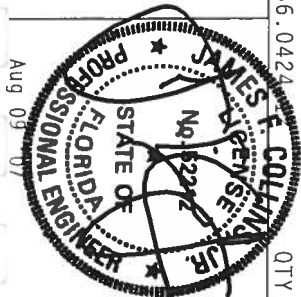
FL/ -/4/ -/ -/R/ -

Scale = .5" / Ft.

WARNING: THESE FRAMES REQUIRE EXERCISE CARE IN FABRICATION, HANDLING, SHIPPING, UNLOADING AND BRACING. REFER TO HGCI (HOLDING COMPANY INDUSTRIAL INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NICK (NORTH AMERICAN TRUSS COUNCIL) OF AMERICA, 65000 ENTERPRISE LANE, SUITE 311, 53179 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. UNDESIGNED, UNDESIGNED/INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCUTRAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BRIDG CEILING.

ALPINE

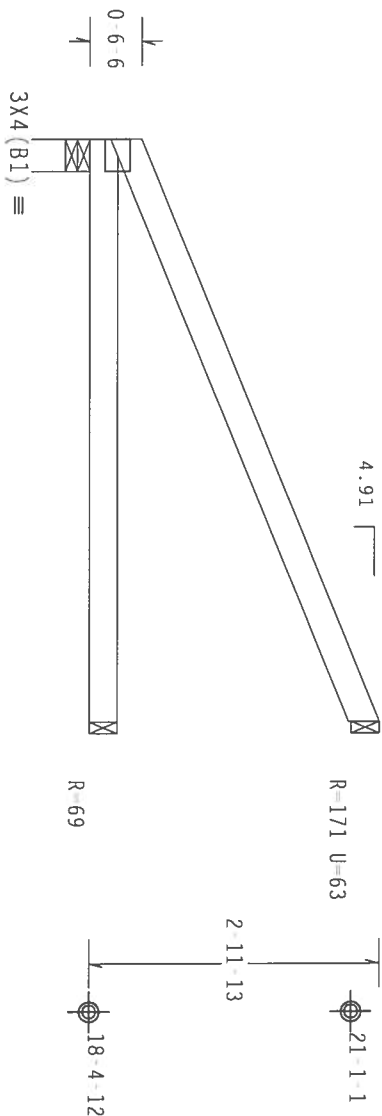
ITW Building Components Group, Inc.
Haines City, FL 33844
Certificate of Authorization # 667



TC LL	20.0 PSF	REF	R8228- 37718
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221012
BC LL	0.0 PSF	HC-ENG DF/DF	*
TOT.LD.	40.0 PSF	SEQN-	42867
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T908228Z01

110 mph wind, 20.15 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ Gcpi (+/-) = -0.18

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



5-11-13
5-11-13 Over 3 Supports
R 248 U-25 W=4"

PLT TYP. Wave

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

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

7.36.0424.13

QTY:1

FL/ -/4/ -/ -/R/ -

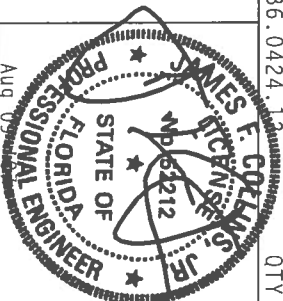
Scale = .5"/Ft.

WARNING: THESE PRACTICES REQUIRE CARE IN ERECTION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO AISC (BUILDING COMPONENTS SPECIFICATION), PUBLISHED BY THE STEEL INSTITUTE, 218 NORTH LEXINGTON AVENUE, SUITE 312, ALBANY, NY 12243, AND AISC 36000 TRUSS COMMISSION OF AMERICA, ENTERPRISE LANE, SUITE 510, WILSONVILLE, OR 97150 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group, Inc.

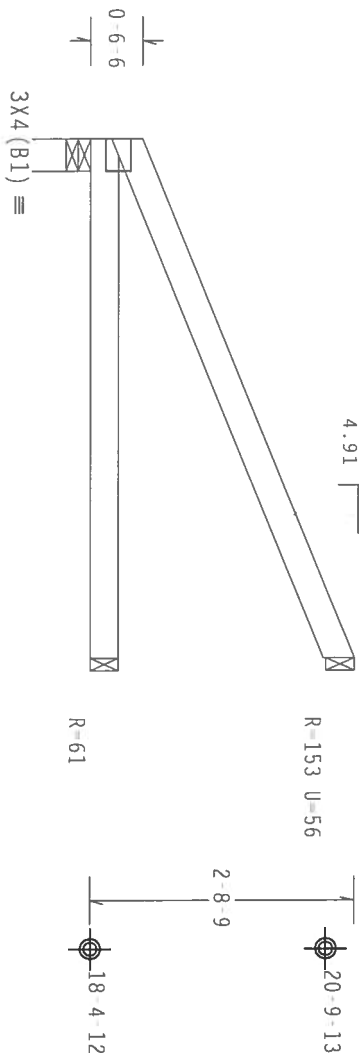
FLORIAN CITY, FL 33044
Rate of Automation 4877



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TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221013
BC LL	0.0 PSF	HC-ENG	DF/DF *
TOT.LD.	40.0 PSF	SEQN-	42871
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T9Q8228Z01

Wind reactions based on MWFRS pressures.

110 mph wind, 20.02 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. $I_w=1.00$ GCP1 (+/-)-0.18



5-4-0
5-4-0 Over 3 Supports
R=221 U=22 W=4"

PLT TYP. Wave

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

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

7.36.0424

QTY:1

FL/14/1/R/

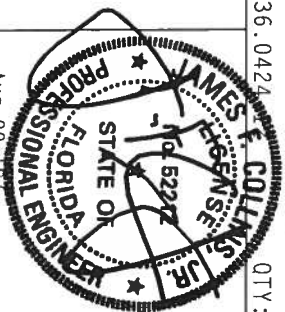
Scale = .5"/Ft.

WARNING *PILES RESULTING FROM EXISTING CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACKETING TO DGSI (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE TRUSS PRACTICE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK MOON TRUSS COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PERTAINING TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STICD CEILING.

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844
FL Certificate of Authorization # 667



Aug 09 '07

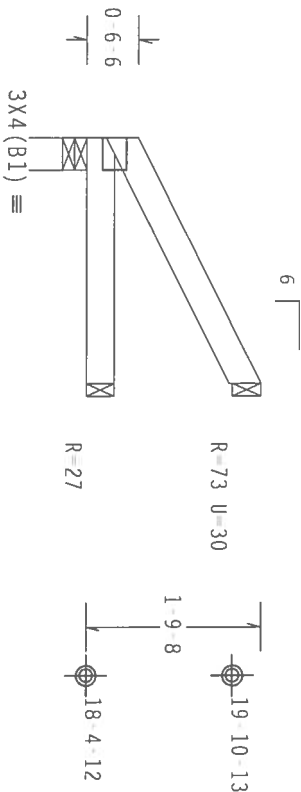
TC LL	20.0 PSF	REF	R8228 - 37720
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221014
BC LL	0.0 PSF	HC-ENG DF/DF	*
TOT.LD.	40.0 PSF	SEQN-	42875
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T908228201

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

110 mph wind, 19.56 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



0-6-6 2-4-4
2-6-4 over 3 Supports
R-107 U-4 W-4"

PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC

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

7.36.0424

QTY:1

FL/-/4/-/-/R/-

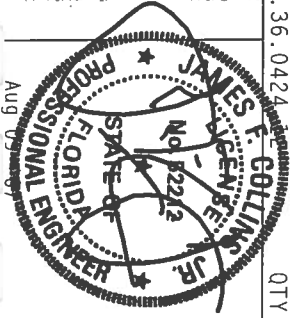
Scale = .5"/ft.

WARNING TRUSSES REQUIRE EXTERIOR GALT TO 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, 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 OF TRUSS IN COMPLIANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

ITW BUILDING COMPONENTS GROUP, INC. HAS REVIEWED THIS DESIGN AND APPROVES THE DESIGN AND THE BUILDING DESIGNER'S PERMITTING OF THIS DESIGN. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK AS OF TPI 2002 SEC. 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 ANS/TP1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
PLT TYP. Wave

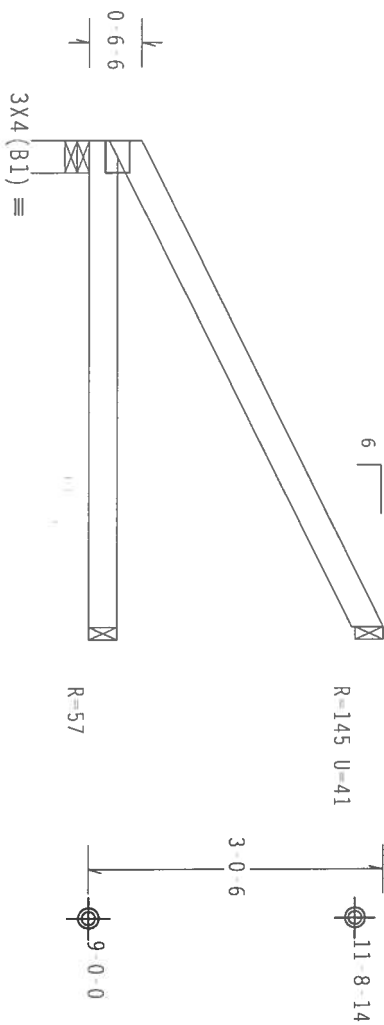


TC LL	20.0 PSF	REF R8228- 37721
TC DL	10.0 PSF	DATE 08/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07221015
BC LL	0.0 PSF	HC-ENG DF/DF *
TOT. LD.	40.0 PSF	SEQN- 42883
DUR. FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T908228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Wind reactions based on MMFRS pressures.

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. Creep increase factor for dead load is 1.50.



5'-0" 0" Over 3 Supports
R=209 U=1 W=4"

PLT TYP. Wave

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

7.36.0424

QTY: 1 FL/-/4/-/-/R/-

Scale = .5"/ft.

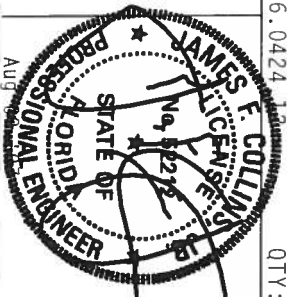
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300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

****IMPORTANT**** TURNISH 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 AND BRACING.

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF MOD (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ITM BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGN OF THE CONNECTIONS TO THE BUILDING.

ITM BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE DESIGN OF THE CONNECTIONS TO THE BUILDING. ANY DEVIATION FROM THIS DESIGN 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.

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Haines City, FL 33844
FL Certificate of Registration # 667

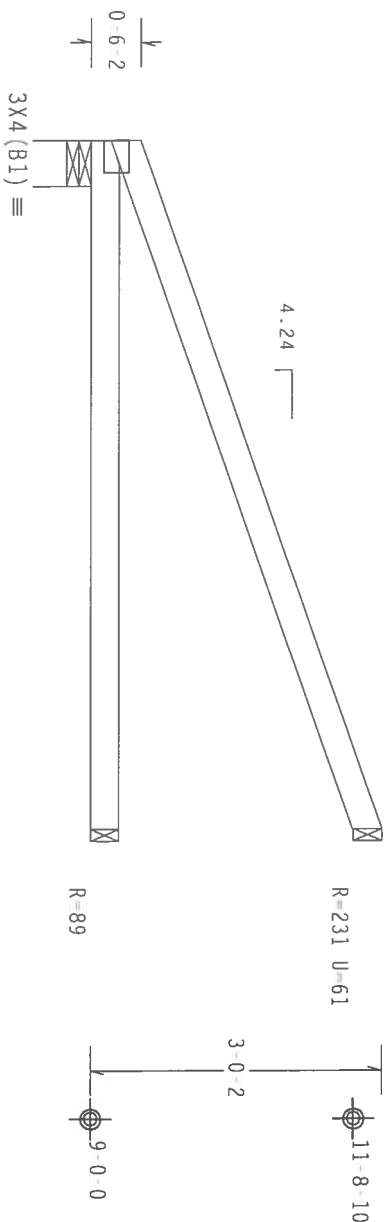


TC LL	20.0 PSF	REF R8228- 37722
TC DL	10.0 PSF	DATE 08/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07221016
BC LL	0.0 PSF	HC-ENG DF/DF *
TOT. LD.	40.0 PSF	SEON- 43026
DUR. FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1T908228Z01

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. Iw=1.00 Gcpl(+/-)0.18

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

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



7-0-14 Over 3 Supports $R=165$ $U=15$ $W=5.657"$

PLT TYP. Wave

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

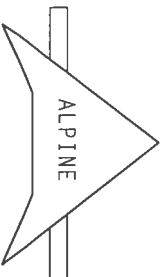
$$Cq/RT=1.00(1.25)/10(0)$$

7.36.0424

~~QTY: 1~~

FL/-/4/-/-/R/-

Scale = .5"/Ft.

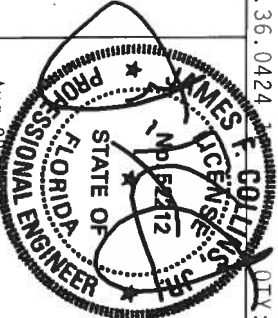


ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING PLATES REQUIRED EXISTING CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING REFER TO BC51 (BUILDING COMPONENTS IN FABRICATION). PUBLISHED BY IP1 (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, AL, 35319) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLATES 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 TYPE OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

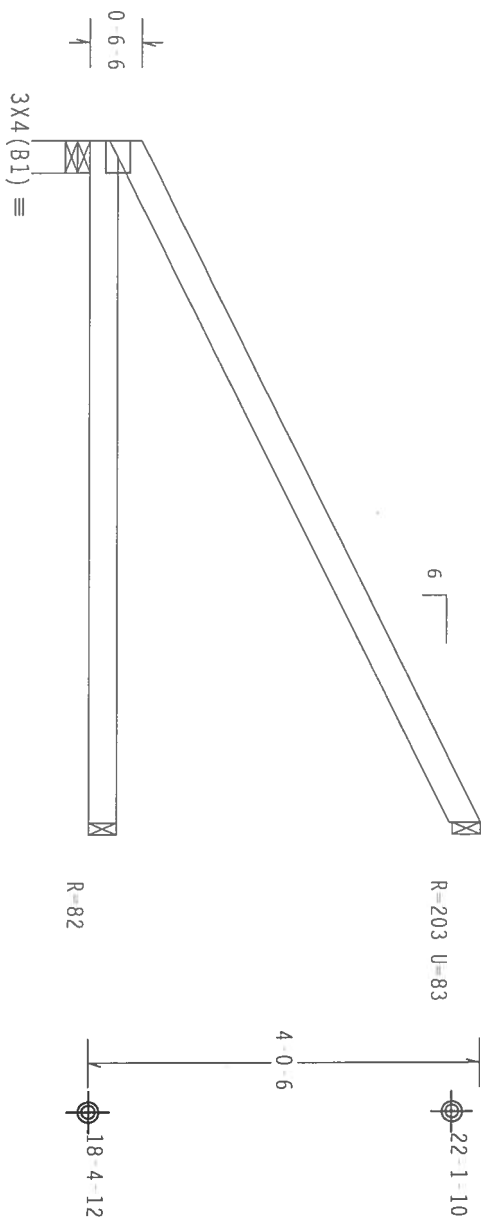
DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), CONNECTION PLATES ARE MADE OF 2018/19/606 (A-135/57) A514 A553 GRADE 40/60 (4' K/L/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX AS OF IP11 2012 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SIGNED FOR THE TRUSS COMPONENTS OF BUILDING DESIGNER PER AM31/PE 1 SEC. 2.



TC LL	20.0 PSF	REF	R8228 - 3/7723
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221042
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEON-	43031
DUR.FAC.	1.25	FROM	AH
SPACING	SEE ABOVE	JREF -	1T9Q8228201

110 mph wind, 20.68 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 1I, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi(+/-) 0.18

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R 292 U 21 W 4"

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

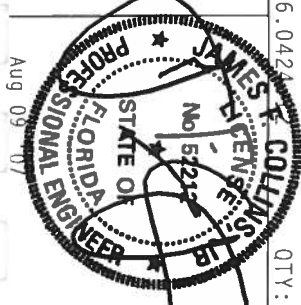
FL/-/4/-/-/R/-

Scale = .5"/Ft.

*WARNING: THESE RECORDS CONCERNING THE FIBERGLASS CASE IN FABRICATION, INCLUDING SHIPPING, INSTALLING AND BRACING, REFER TO 6651 (CONTINUING COMPROMISE SAFETY INFORMATION), PUBLISHED BY IP1 (RUSS PASTE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND MICA (GOOD RUSSELL COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI, 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE GOOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****URNISH 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 OR FABRICATING, HANDLING, SHIPPING, INSTALLING BRACING OF TRUSSES.

DESIGN CONDITIONS ARE APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. FOR AIRRAI AND THE CONSTRUCTION OF PLATES ARE MADE OF 70/30 (68/32) ASH 4655 GRADE 40/60 (4 KIN/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TUBUS AM, UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 1606-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX AT OF JULY 2002 SEC. 3. A SEAL ON THIS ORIGINATING INDICATOR ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TUBUS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER MSJ/PPI 1 SEC. 2.

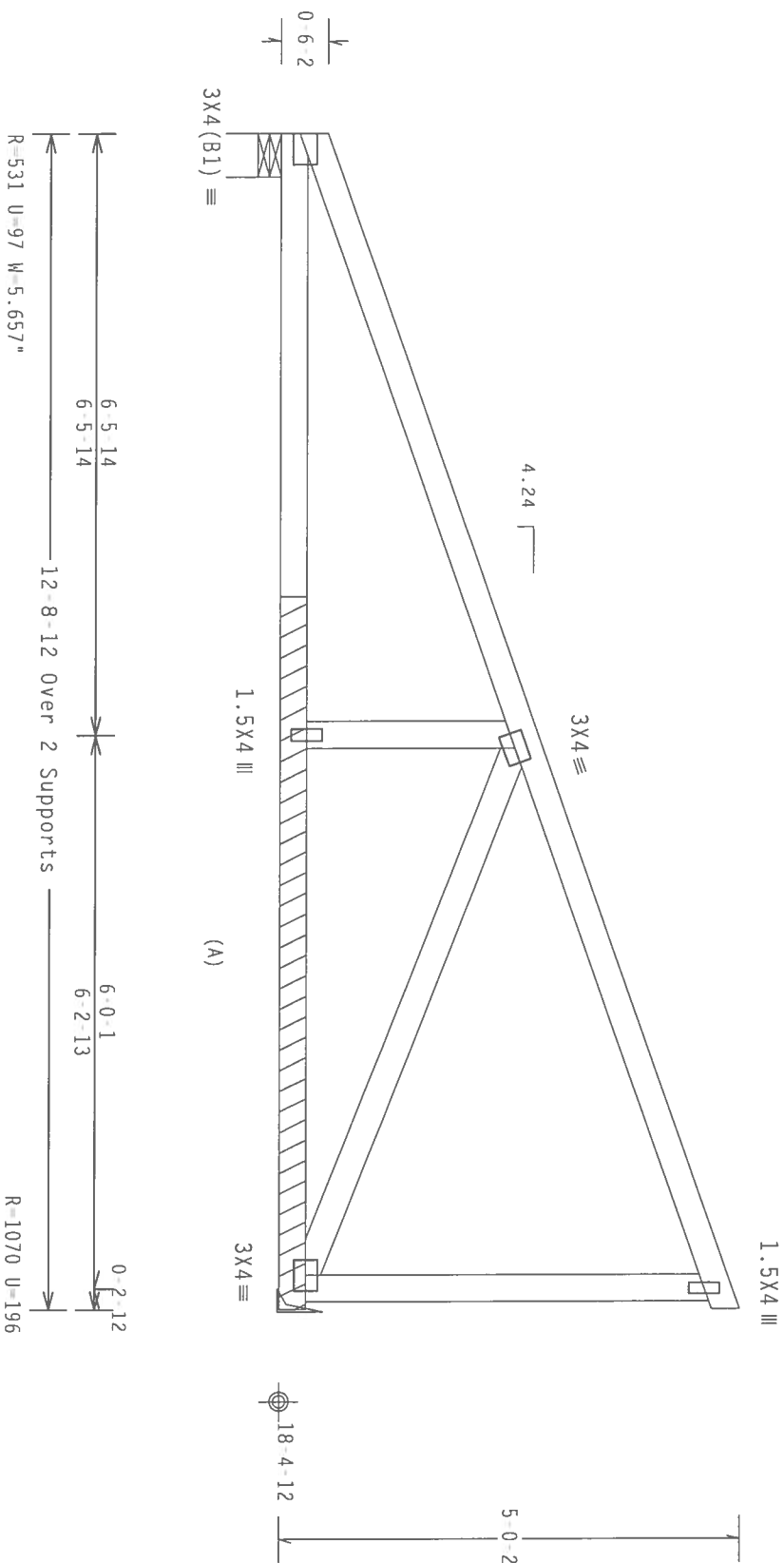


TC LL	20.0 PSF	REF	R8228- 37724
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221017
BC LL	0.0 PSF	HC-ENG DF/DF	*
TOT.LD.	40.0 PSF	SEQN-	43040
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1T9Q8228201

HiJack supports 9-0-0 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to BC.

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

(A) (1) 2x4x7-8 13 SP #2 Dense scab at right end. Attach scab to face of chord with: 12d Box or Gun (0.128"x3.25" min.) nails @ 8" OC, plus additional nail clusters at: BRG.: (0), heel: (0), 1st panel point: (0).



PLT TYP. Wave

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

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

7.36.0424

QTY:1

FL/-/4/-/-/R/-

Scale = .5" / Ft.

WARNING: FIRE'S RUINOUS EFFECTS WERE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO ACES1 (BUILDING COMPOSITE OF SAFETY INFORMATION), PUBLISHED BY FBI (FIRESS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NFPA (GOOD PRACTICES COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, MADISON, WI, 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNDESIGNED, UNTESTED, UNDETERMINED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

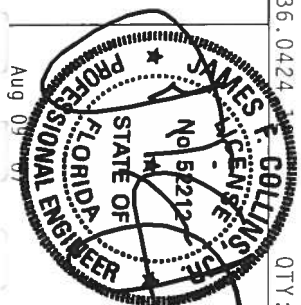
****IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT**

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 7041/AL6CA 40 (REF. 40) WITH STRENGTH ENHANCEMENT BY ANODIZING.

PLATES TO EACH FACE OF CROSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

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Haines City, FL 33844
FL Certificate of Authorization # 447

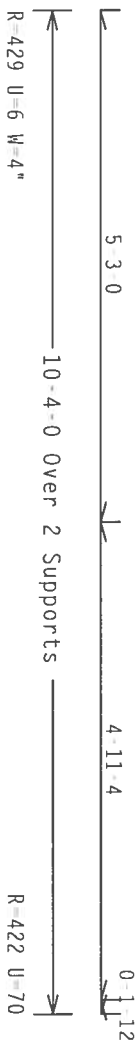


1 FL/-/4/-/R/-		Scale = .5"/ft.
TC LL	20.0 PSF	REF R8228 - 37725
TC DL	10.0 PSF	DATE 08/09/07
BC DL	10.0 PSF	DRW HCUSR8228 07221043
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEON - 43067
DUR.FAC.	1.25	FROM AH
SPACING SEE ABOVE		JREF - 1T908228201

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

110 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

Right end vertical not exposed to wind pressure.



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

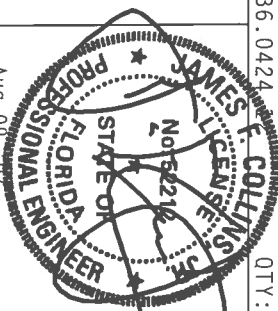
FL/-/4/-/-/R/-/

Scale = .5"/Ft.

*WARNING: PANELS REQUIRE EXPLICIT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND PRACTICE REFER TO DC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE GIBBS PAPER INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 (GOOD PRACTICES COUNCIL OF AMERICA, 6500 MIDWAY ENTERPRISE LANE, #51319) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNIFORMITY INDICATED FOR GOOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GOOD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 447



TC LL	20.0 PSF	REF	R8228- 37727
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221019
BC LL	0.0 PSF	HC-ENG DF/DF	*
TOT.LD.	40.0 PSF	SEQN-	43055
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T908228201

In lieu of structural panels use purlins to brace all flat TC @ 24 in. oc.

Right end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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/-/4/-/-/R/-

Scale = .5"/Ft.

WARNING: ALL TRUCKS EXHIBITING DAMAGE TO FABRICATION, HANDLING, SHIPPING, INSTALLING AND PROTECTIVE COATINGS SHOULD BE REMOVED FROM THE MARKET IMMEDIATELY. FOR MORE INFORMATION, CONTACT THE TRUCK SAFETY RECALL CENTER, 1-800-4-A-SAFARI, 10000 W. 16TH AVENUE, SUITE 300, DENVER, CO 80202. FOR MORE INFORMATION, CONTACT THE TRUCK SAFETY RECALL CENTER, 1-800-4-A-SAFARI, 10000 W. 16TH AVENUE, SUITE 300, DENVER, CO 80202. FOR MORE INFORMATION, CONTACT THE TRUCK SAFETY RECALL CENTER, 1-800-4-A-SAFARI, 10000 W. 16TH AVENUE, SUITE 300, DENVER, CO 80202. FOR MORE INFORMATION, CONTACT THE TRUCK SAFETY RECALL CENTER, 1-800-4-A-SAFARI, 10000 W. 16TH AVENUE, SUITE 300, DENVER, CO 80202.

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

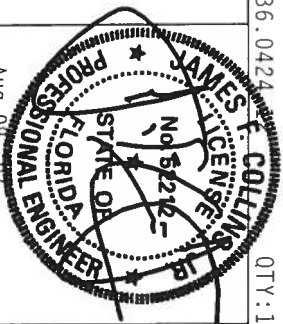
IP; OR FABRICATING, SHIPPING, INSTALLING & GRACING OF TRUSSES, DESIGN CONFORMS WITH ALL NECESSARY PROVISIONS OF THE CURRENT DESIGN CODE, OR AFTERWARD.

CONNECTION PLATES ARE MADE OF 2018/1666 (W. H. 55/K.) ASIM A653 GRADE 40/60 (W. K/H. 55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

BUILDING DESIGNER PER ANSI/HP1 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667



TC LL	20.0 PSF	REF	R8228- 37728
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221020
BC LL	0.0 PSF	HC-ENG DF/DF	*
TOT.LD.	40.0 PSF	SECN-	43046
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T908228Z01

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

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



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

7.36.0424.12

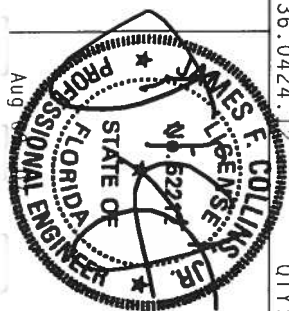
QTY:1 FL/-/4/-/-/R/-

Scale = .5"/Ft.

*WARNING: ALL FRAMES REQUIRING EXPOSURE TO INFLATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO RC-S1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRESS PLATING INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD PRESERVATION COUNCIL OF AMERICA, ENTERPRISE LAKE, MOBILE, AL, 36519) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TWO GIRDERS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GIRD SHALL HAVE PROPERLY ATTACHED GRID CEILING.

****IMPORTANT****URNISH A COPY OF THIS DECISION 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 IT; OR FABRICATING, HANDLING, SHIPPING, INSTALLING BRACING OF TRUSSES.

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Haines City, FL 33844
FL Certificate of Authorization # 547



TC LL	20.0 PSF	REF	R8228- 37729
TC DL	10.0 PSF	DATE	08/09/07
BC DL	10.0 PSF	DRW	HCUSR8228 07221021
BC LL	0.0 PSF	HC ENG DF/DF	*
TOT.LD.	40.0 PSF	SEQN-	43051
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1T908228Z01

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.

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

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

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

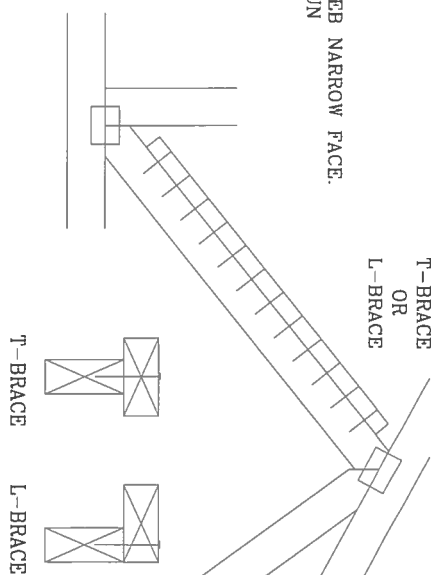
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.



ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

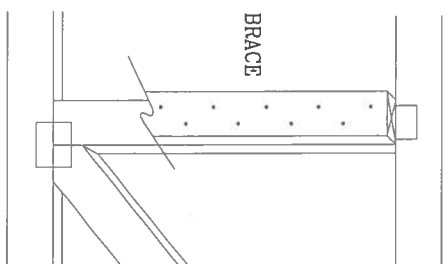
T-BRACING
OR
L-BRACING:

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



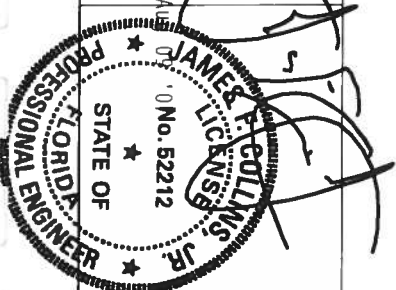
SCAB BRACING:

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

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	2/23/07
BC DL	PSF	DRWG	BRCLESUB0207
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			



MAX GABLE VERTICAL LENGTH														
CABLE VERTICAL SPACING / SPECIES	2x4 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				
24" 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"	
		#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"	
		STUD	3' 7"	5' 5"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"	
		STANDARD	3' 7"	4' 8"	4' 8"	6' 1"	6' 1"	8' 3"	8' 3"	9' 6"	9' 6"	12' 11"	12' 11"	
	HF	#1	4' 0"	6' 4"	6' 10"	7' 6"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 6"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	8' 11"	9' 5"	11' 5"	11' 5"	14' 0"	14' 0"
		STUD	3' 9"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
	DFL	STANDARD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"	14' 0"
		#1 / #2	4' 2"	7' 3"	7' 5"	8' 7"	8' 7"	8' 10"	10' 3"	10' 6"	13' 5"	13' 10"	14' 0"	14' 0"
		#3	4' 1"	6' 8"	6' 8"	8' 7"	8' 7"	10' 3"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
		STUD	4' 1"	8' 0"	8' 0"	8' 7"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
16" O.C.	SPF	#1 / #2	4' 1"	5' 8"	5' 8"	7' 6"	7' 6"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	
		#3	4' 1"	5' 8"	5' 8"	7' 6"	7' 6"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	
		STUD	4' 1"	5' 8"	5' 8"	7' 6"	7' 6"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	
		STANDARD	4' 1"	5' 8"	5' 8"	7' 6"	7' 6"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	
	HF	#1	4' 7"	7' 3"	7' 9"	8' 7"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	
		#2	4' 6"	7' 3"	7' 9"	8' 7"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	
		#3	4' 4"	6' 10"	6' 10"	8' 7"	8' 7"	9' 0"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	
		STUD	4' 4"	6' 9"	6' 9"	8' 7"	8' 7"	8' 11"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	
	DFL	STANDARD	4' 2"	5' 10"	5' 10"	7' 8"	7' 8"	10' 3"	10' 3"	11' 4"	11' 11"	14' 0"	14' 0"	
		#1 / #2	4' 7"	8' 0"	8' 2"	9' 5"	9' 5"	11' 3"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"	
		#3	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
		STUD	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
12" O.C.	SPF	#1 / #2	4' 6"	6' 7"	6' 7"	8' 8"	8' 8"	11' 3"	11' 3"	13' 6"	13' 6"	14' 0"	14' 0"	
		#3	4' 6"	6' 7"	6' 7"	8' 8"	8' 8"	11' 3"	11' 3"	13' 6"	13' 6"	14' 0"	14' 0"	
		STUD	4' 6"	6' 7"	6' 7"	8' 8"	8' 8"	11' 3"	11' 3"	13' 6"	13' 6"	14' 0"	14' 0"	
		STANDARD	4' 6"	6' 7"	6' 7"	8' 8"	8' 8"	11' 3"	11' 3"	13' 6"	13' 6"	14' 0"	14' 0"	
	HF	#1	5' 1"	8' 0"	8' 7"	9' 5"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	
		#2	4' 11"	8' 0"	8' 7"	9' 5"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	
		#3	4' 9"	7' 11"	7' 11"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
		STUD	4' 9"	7' 9"	7' 9"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	DFL	STANDARD	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"	
		#1 / #2	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"	
		#3	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"	
		STUD	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"	

GROUP A:		GROUP B:	
SPRUCE-PINE-FIR	HEM-FIR	SPRUCE-PINE-FIR	HEM-FIR
#1 / #2	#2	#1 / #2	#2
STANDARD	STUD	STANDARD	STUD
#3	#3	#3	#3
STUD	STANDARD	STUD	STANDARD
STANDARD	STUD	STANDARD	STUD
STANDARD	STANDARD	STANDARD	STANDARD

GROUP B:

HEM-FIR
#1 & BTR

SOUTHERN PINE

DOUGLAS FIR-LARCH

#1

#2

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).

GABLE END SUPPORTS LOAD FROM 4' 0"

PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

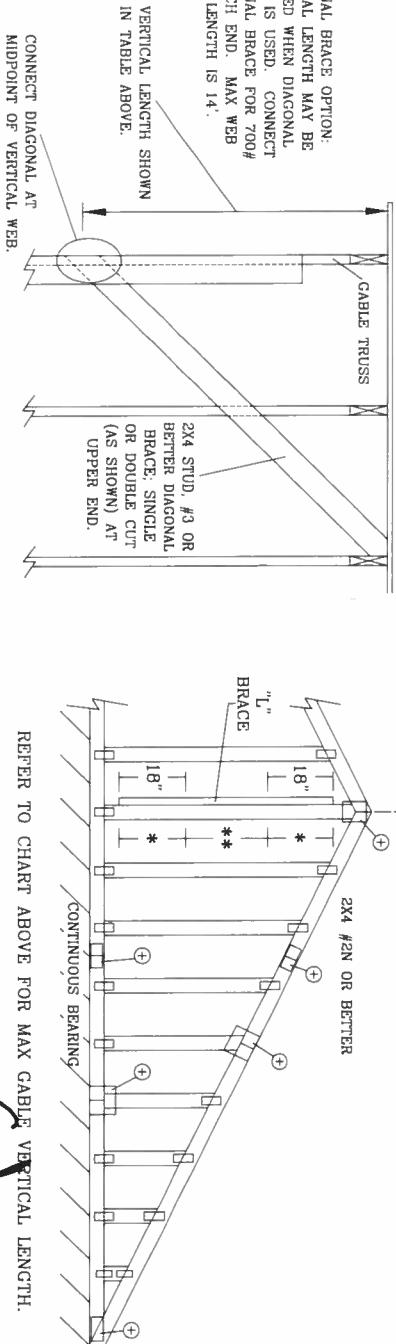
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

**** 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.

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.



REFER TO CHART ABOVE FOR MAX CABLE VERTICAL LENGTH.

DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE
DOUBLED WHEN DIAGONAL
BRACE IS USED. CONNECT
DIAGONAL BRACE FOR 700#
AT EACH END. MAX WEB
TOTAL LENGTH IS 14'.

VERTICAL LENGTH SHOWN
IN TABLE ABOVE.

CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL WEB.

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

***VAALINEN** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE MANUFACTURER, FOR ALL RELEVANT SAFETY INFORMATION. TRUSS COMPANY: WILSON TRUSS CO., 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22304 AND VITA CADDO TRUSS COUNCIL D INC, AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53791 FOR SAFETY PRACTICES PRIOR TO PERFORMING THE STEEL ERECTION. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

***DISCLAIMER:** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. TYPICAL TRUSS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY AF&PA AND THE TYPICAL TRUSS CONNECTOR PLATES ARE MADE OF 2018/18 GA. C/H/S/S OR ASTM A653 GRADE 40/60 (C/H/S/S) GALV. STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS OPERATIONAL DRAWING. THE TRUSS COMPANY HAS BEEN ADVISED THAT THE TRUSS COMPANY HAS ACCEPTED PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS CONNECTION FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER UBCS/TPI 1 SEC. 2.

JAMES L. LINSLEY, JR.
LICENSÉ
 No. 52212
 APR 9 '07

MAX. TOT. LD. 60 PSF

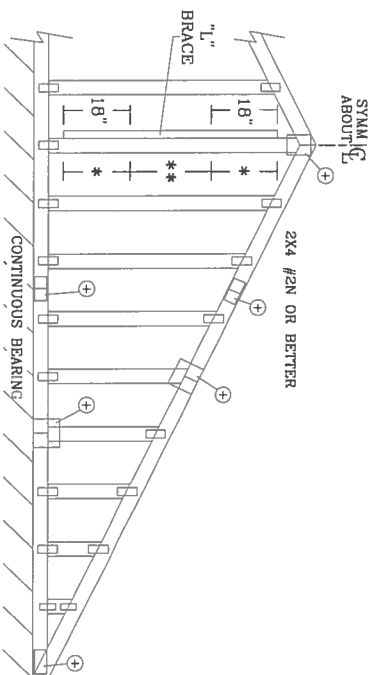
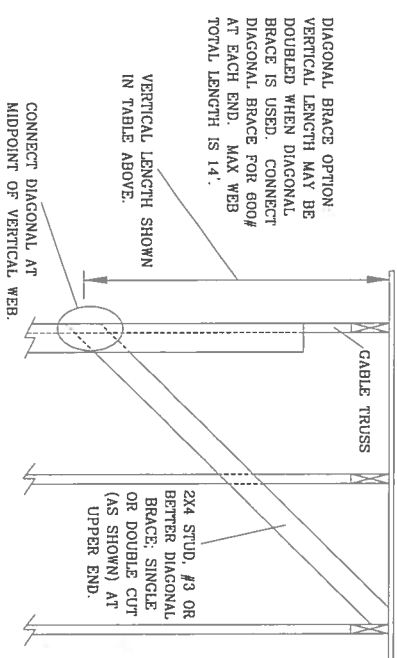
MAX. SPACING 24.0"

REF ASCE7-02-GABI1030

DATE 2/23/07

DRWG A11030EE0207

-ENG



REFER TO CHART ABOVE FOR MAX CABLE VERTICAL LENGTH.

DIAGONAL BRACE OPTION
VERTICAL LENGTH MAY BE
DOUBLED WHEN DIAGONAL
BRACE IS USED. CONNECT
DIAGONAL BRACE FOR 600#
AT EACH END. MAX WEB
TOTAL LENGTH IS 14'.

VERTICAL LENGTH SHOWN
IN TABLE ABOVE.

CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL WEB

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

***WARNING:** THESE REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22304 AND VITA CLOUD TRUSS COMPANY OF HERRICK, 6300 ENTERPRISE LN, MADISON, WI 53793 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIVITIES. ALWAYS USE PROVED DESIGN CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED RIGID JOINTING.

***IMPORTANT:** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV DCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TOP OR FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING OF TRUSSES OR USING DEVC CONNECTOR PLATES ARE MADE OF 2010/16GA (A/H/SST) ASH 4633 GRADE 40/60 (A/H/4SD) VITA DCG CONNECTOR PLATES ARE MADE OF 2010/16GA (A/H/SST) ASH 4633 GRADE 40/60 (A/H/4SD) DESIGN POSITION PER DRAWINGS 1604-2. MANY INDUSTRY CODES REQUIRE THAT ALL TRUSSES FIELDED ON THE PERMANENT POSITION BE REMOVED IMMEDIATELY AFTER COMPLETION OF THE PROJECT.

ANNEX A3 OF TPI-1-2002 SEC. 3, A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS CONCRETE 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

Aug 09 10:07 No. 82212

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

HEM-FIR	E-FIR
110	110

STUD	#3	STANDARD
STUD	#3	STANDARD

LARCH

SOUTHERN PINE

#3	STUD
----	------

STANDARD	D
----------	---

GROUP B:

HEM-FIR

#1 & BIR

1

DOUGLAS FIR-LARCH
#1

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" 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 8" O.C. BETWEEN ZONES

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
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29	29
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31	31
32	32
33	33
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44	44
45	45
46	46
47	47
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54	54
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57	57
58	58
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60	60
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62	62
63	63
64	64
65	65
66	66
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68	68
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71	71
72	72
73	73
74	74
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76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0" BUT	

LESS THAN 11' 6"	2X4
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GREATER THAN 11.6	2.5X4
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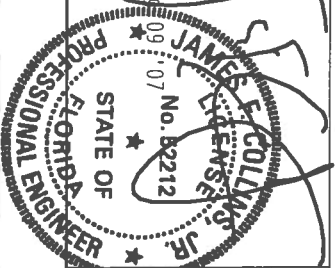
+ REFER TO COMMON TRUSS DESIGN
PEAK, SPLICE, AND HEEL PLATES.

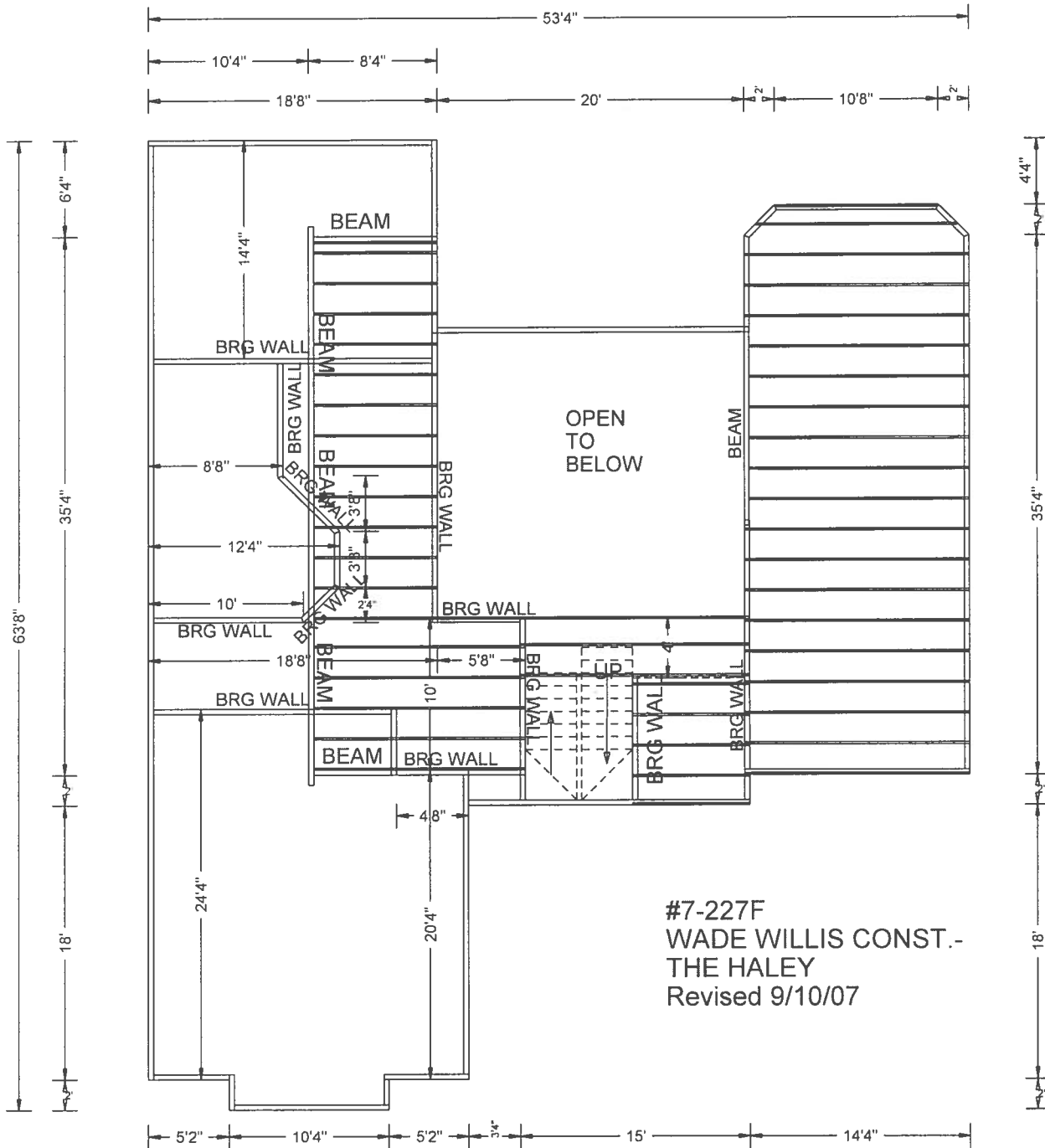
REF ASCET-02-GAB1015

DATE 2/23/07

DRWG A11015EE0207

—ENG





#7-227F
WADE WILLIS CONST.-
THE HALEY
Revised 9/10/07

	JOB DESCRIPTION: WADE WILLIS CONSTRUCTION / The Haley	JOB NO 7-227F	PAGE NO 1 OF 1
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