

Florida Energy Efficiency Code For Building Construction
Florida Department of Community Affairs
FLA/COM 2004 v2.5, Effective Dec 8, 2006 -- Form 400A-2004R
Method A: Whole Building Performance Method for Commercial Buildings

PROJECT SUMMARY

Short Desc: Grace Covenant	Description: Grace Covenant Church
Owner: Grace Covenant Church	
Address1: Enter Address here	City: Lake City
Address2: Enter Address here	State: FL
	Zip: 0
Type: Religious Building	Class: New Finished building
Jurisdiction: LAKE CITY, COLUMBIA COUNTY, FL (221200)	
Conditioned Area: 9834 SF	Conditioned & UnConditioned Area: 9834 SF
No of Stories: 1	Area entered from Plans: 9834 SF
Permit No: 0	Max Tonnage: 50
	If different, write in: _____

Compliance Summary

Component	Design	Criteria	Result
Gross Energy Cost	18,145.9	20,951.7	PASSES
LIGHTING CONTROLS			PASSES
EXTERNAL LIGHTING			None Entered
HVAC SYSTEM			PASSES
PLANT			None Entered
WATER HEATING SYSTEMS			PASSES
PIPING SYSTEMS			PASSES
Met all required compliance from Check List?			Yes/No/NA

IMPORTANT NOTE: An input report of this design building must be submitted along with this Compliance Report.

CERTIFICATIONS

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

Prepared By: James L. Burch

James L. Burch
Date: 12.04.07

Building Official: _____

Date: _____

I certify that this building is in compliance with the FLorida Energy Efficiency Code

Owner Agent: Grace Covenant Church

Date: _____

If Required by Florida law, I hereby certify (*) that the system design is in compliance with the FLorida Energy Efficiency Code

Architect: Tom Gregory

Reg No: _____

Electrical Designer: James L. Burch

Reg No: PE/12465

Lighting Designer: James L. Burch

Reg No: PE/12465

Mechanical Designer: James L. Burch

Reg No: PE/12465

Plumbing Designer: James L. Burch

Reg No: _____

(*) Signature is required where Florida Law requires design to be performed by registered design professionals. Typed names and registration numbers may be used where all relevant information is contained on signed/sealed plans.

Project: Grace Covenant
 Title: Grace Covenant Church
 Type: Religious Building
 (WEA File: JACKSONVILLE.TMY)

Building End Uses

	Design	Reference
Total	87.13	100.00
	\$18,146	\$20,952
AREA LIGHTS	10.89	6.55
	45079	27105
	\$2,267	\$1,372
ELECTRICITY(MBtu/kWh/\$)	10.89	6.55
	45079	27105
	\$2,267	\$1,372
MISC EQUIPMT	3.48	3.48
	14408	14408
	\$725	\$729
ELECTRICITY(MBtu/kWh/\$)	3.48	3.48
	14408	14408
	\$725	\$729
PUMPS & MISC	6	5
	\$0	\$0
ELECTRICITY(MBtu/kWh/\$)	0.00	0.00
	6	5
	\$0	\$0
SPACE COOL	28.42	42.15
	117694	174517
	\$5,920	\$8,831
ELECTRICITY(MBtu/kWh/\$)	28.42	42.15
	117694	174517
	\$5,920	\$8,831
SPACE HEAT	10.48	13.13
	43407	54371
	\$2,183	\$2,751

Project: Grace Covenant
Title: Grace Covenant Church
Type: Religious Building
(WEA File: JACKSONVILLE.TMY)

System Report Compliance

Pr0Sy1 System 1 Constant Volume Packaged System--902 No. of Units 1

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Compliance
Cooling System	Air Conditioners Air Cooled 240000 to 760000 Btu/h Cooling Capacity		14.00	9.00	10.00	9.20	PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) > 135000 Btu/h Cooling Capacity		3.80	3.10			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.82			PASSES
Air Distribution System	ADS System		6.00				PASSES

PASSES

Plant Compliance

Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance
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None

Project: Grace Covenant
Title: Grace Covenant Church
Type: Religious Building
(WEA File: JACKSONVILLE.TMY)

Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance
Water Heater 1	Electric water heater	<= 12 [kW]	0.97	0.93			PASSES

PASSES

Project: Grace Covenant
 Title: Grace Covenant Church
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 (WEA File: JACKSONVILLE.TMY)

Piping System Compliance

Category	Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Cond [Btu-in/hr .SF.F]	Ins Thick [in]	Req Ins Thick [in]	Compliance
Domestic and Service Hot Water Systems	0.75	False	140.00	0.28	1.50	0.50	PASSES

PASSES

Project: Grace Covenant
 Title: Grace Covenant Church
 Type: Religious Building
 (WEA File: JACKSONVILLE.TMY)

Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
Infiltration	406.1	Infiltration Criteria have been met	☒
System	407.1	HVAC Load sizing has been performed	☒
Ventilation	409.1	Ventilation criteria have been met	☒
ADS	410.1	Duct sizing and Design have been performed	☒
T & B	410.1	Testing and Balancing will be performed	☒
Motors	414.1	Motor efficiency criteria have been met	☒
Lighting	415.1	Lighting criteria have been met	☒
O & M	102.1	Operation/maintenance manual will be provided to owner	☒
Roof/Ceil	404.1	R-19 for Roof Deck with supply plenums beneath it	☒
Report	101	Input Report Print-Out from EnergyGauge FlaCom attached?	☒

EnergyGauge Summit® v3.13
INPUT DATA REPORT

Project Information

Project Name: Grace Covenant
Project Title: Grace Covenant Church
Address: Enter Address here
Enter Address here
State: FL
Zip: 0
Owner: Grace Covenant Church
Orientation: East
Building Type: Religious Building
Building Classification: New Finished building
No.of Storeys: 1
GrossArea: 9834 SF

Zones

No	Acronym	Description	Type	Area [sf]	Multiplier	Total Area [sf]
1	Pr0Zo1	Zone 1	CONDITIONED	9834.0	1	9834.0

Spaces

No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]
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In Zone: Pr0Zol		Fellowship Hall					177012.0		☐
1	Pr0ZolSp1	Zo0Sp1	66.00	149.00	18.00	1	9834.0		

Lighting

No	Type	Category	No. of Luminaires	Watts per Luminaire	Power [W]	Control Type	No. of Ctrl pts
In Zone: Pr0Zol							
In Space: Pr0ZolSp1							
1	Recessed Fluorescent - No vent	General Lighting	92	160	14720	Manual On/Off	20

Walls

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Direction	Conductance [Btu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.s.f.F/Btu]
In Zone: Pr0Zol											
1	Pr0ZolWal	Metal siding/2x4@24"+Rl 1 Batt/5/8"Gyp	166.00	14.00	1	2324.0	South	0.0920	1.072	19.38	10.9
2	Pr0ZolWa2	Metal siding/2x4@24"+Rl 1 Batt/5/8"Gyp	166.00	14.00	1	2324.0	North	0.0920	1.072	19.38	10.9
3	Pr0ZolWa3	Metal siding/2x4@24"+Rl 1 Batt/5/8"Gyp	94.00	14.00	1	1316.0	West	0.0920	1.072	19.38	10.9
4	Pr0ZolWa4	Metal siding/2x4@24"+Rl 1 Batt/5/8"Gyp	94.00	14.00	1	1316.0	East	0.0920	1.072	19.38	10.9

Windows

No	Description	Type	Shaded	U [Btu/hr sf F]	SHGC	Vis.Tra	W [ft]	H (Effec) [ft]	Multi plier	Total Area [sf]
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In Zone: Pr0Zol												
In Wall: Pr0ZolWal												
	1	Pr0ZolWalWil	User Defined	No	1.2500	0.82	0.76	3.00	6.00	2	36.0	☐
In Wall: Pr0ZolWa2												
	1	Pr0ZolWa2Wil	User Defined	No	1.2500	0.82	0.76	3.00	6.00	7	126.0	☐
In Wall: Pr0ZolWa3												
	1	Pr0ZolWa3Wil	User Defined	No	1.2500	0.82	0.76	3.00	6.00	1	18.0	☐
In Wall: Pr0ZolWa4												
	1	Pr0ZolWa4Wil	User Defined	No	1.2500	0.82	0.76	3.00	6.00	10	180.0	☐

Doors

No	Description	Type	Shaded?	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Dens. Heat Cap. [lb/cf] [Btu/sf. F]	R-Value [h.s.f.F/Btu]
In Zone: Pr0Zol										
In Wall:	Pr0ZolWal									
1	Pr0ZolWalDr1	Solid core flush (2.25)	No	3.00	7.00	7	21.0	0.3504	0.00	2.85
										☐
In Wall:	Pr0ZolWa2									
1	Pr0ZolWa2Dr1	Solid core flush (2.25)	No	3.00	7.00	3	21.0	0.3504	0.00	2.85
										☐
In Wall:	Pr0ZolWa3									
1	Pr0ZolWa3Dr1	Solid core flush (2.25)	No	3.00	7.00	3	21.0	0.3504	0.00	2.85
										☐

Ro										
No	Desc									
In Zone: Pr0Zol										
	1	Pr0Z								

Skylights									
No	Description	Type	U [Btu/hr sf F]	SHGC	Vis.Trans [ft]	W [ft]	H (Effec) Multiplier [ft]	Area [Sf]	Total Area [Sf]
In Zone: ☐									
In Roof: ☐									

Floors										
No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Heat Cap. Dens. [Btu/sf. F]	R-Value [h.s.f.F/Btu]	
In Zone: Pr0Zol										
1	Pr0ZolF1	1 ft. soil, concrete floor, carpet and rubber pad	149.00	66.00	1	9834.0	0.1745	54.00	108.00	5.73
☐										

Systems				
Pr0Sy1	System 1	Constant Volume Packaged System- -902	No. Of Units	1
Component	Category	Capacity	Efficiency	IPLV
1	Cooling System	600000.00	14.00	10.00
2	Heating System	600000.00	3.80	☐
3	Air Handling System -Supply	20000.00	0.80	☐
4	Air Distribution System	6.00	6.00	☐

Plant				
Equipment	Category	Size	Inst.No	Eff. IPLV
☐				

Water Heaters				
W-Heater Description	CapacityCap.Unit	I/P Rt.	Efficiency	Loss
1 Electric water heater	[Gal]	2 [kW]	0.9700 [Ef]	[Btu/h] ☐

Ext-Lighting						
Description	Category	No. of Luminaires	Watts per Luminaire	Area/Len/No. of units [sf/ft/No]	Control Type	Wattage [W]

Piping						
No	Type	Operating Temperature [F]	Insulation Conductivity [Btu-in/h.sf.F]	Nomonal pipe Diameter [in]	Insulation Thickness [in]	Is Runout?
1	Domestic and Service Hot Water Systems	140.00	0.28	0.75	1.50	No ☐

Fenestration Used					
Name	Glass Type	No. of Panels	Glass Conductance [Btu/h.sf.F]	SHGC	VLT
ASHULSgClrAll Frm	User Defined	1	1.2500	0.8200	0.7600
					☐

Materials Used

Mat No	Acronym	Description	Only R-Value Used	RValue [h.s.f./Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHeat [Btu/lb.F]
187	Mat187	GYP OR PLAS BOARD. 1/2IN	No	0.4533	0.0417	0.0920	50.00	0.2000
178	Mat178	CARPET W/RUBBER PAD	Yes	1.2300				
265	Mat265	Soil, 1 ft	No	2.0000	1.0000	0.5000	100.00	0.2000
48	Mat48	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000
23	Mat23	6 in. Insulation	No	20.0000	0.5000	0.0250	5.70	0.2000
4	Mat4	Steel siding	No	0.0002	0.0050	26.0000	480.00	0.1000
271	Mat271	2x4@24" oc + R11 Batt	No	10.4179	0.2917	0.0280	7.11	0.2000
94	Mat94	BUILT-UP ROOFING, 3/8IN	No	0.3366	0.0313	0.0930	70.00	0.3500

Constructs Used

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.s.f.]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.s.f./Btu]
1055	Metal siding/2x4@24"+R11 Batt/5/8"Gyp	No	No	0.09	1.07	19.38	10.9

Layer	Material No.	Material	Thickness [ft]	Framing Factor
1	4	Steel siding	0.0050	0.000
2	271	2x4@24" oc + R11 Batt	0.2917	0.000
3	187	GYP OR PLAS BOARD. 1/2IN	0.0417	0.000

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]
1056	Mtl Bldg Roof/R-19 Batt	No	No	0.05	1.34	9.49	20.3
Layer	Material No.	Material	Thickness [ft]	Framing Factor			
1	94	BUILT-UP ROOFING, 3/8IN	0.0313	0.000			
2	23	6 in. Insulation	0.5000	0.000			
No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]
1057	1 ft. soil, concrete floor, carpet and rubber pad	No	No	0.17	54.00	108.00	5.7
Layer	Material No.	Material	Thickness [ft]	Framing Factor			
1	265	Soil, 1 ft	2.0000	0.000			
2	48	6 in. Heavyweight concrete	0.5000	0.000			
3	178	CARPET W/RUBBER PAD		0.000			
No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]
1058	Solid core flush (2.25")	No	Yes	0.35			2.9
Layer	Material No.	Material	Thickness [ft]	Framing Factor			
1	279	Solid core flush (2.25")		0.000			

For: Grace Covenant Church
 Zone: Grace Church
 Job #: Grace Covenant Church
 City: Gainesville, FL, US
 By: Advanced Engineering Concepts
 LWH: 149.0 x 66.0 x 18.0
 Units: U.S. customary (I-P)

Page: 1

1. DESIGN CONDITIONS - COOLING (3PM , August)

		Dry Blb	RH	Moisture	Range	Wet Blb
Outdoor Conditions	→	97	46		19	79
Indoor Conditions	→	72	50			60
TOD Correction	→	0				

Difference

25

63

{ Mult = 1.0 }

2. GLAZING SOLAR HEAT GAIN (Lat = 29.68 °N, Const Wt = M)

Type	Dir	Shad	Tilt	%ovr	Area	Sfact	Shgf	Shad	Sens
GLAZ 1	s	N	90	0.0	36	0.94	59	1.0	1997
GLAZ 1	n	N	90	100.0	126	0.94	28	1.0	3316
GLAZ 1	e	N	90	100.0	180	0.94	64	1.0	4738
GLAZ 1	w	N	90	0.0	18	0.94	88	1.0	1489

3. TRANSMISSION GAINS

Type	Dir	GrArea	NtArea	Uval	Grp	CLTD	Shad	Clr	Sens
GLAZ 1	s	36	36	1.040		25.0	N	-	936
GLAZ 1	n	126	126	1.040		25.0	N	-	3276
GLAZ 1	e	180	180	1.040		25.0	N	-	4680
GLAZ 1	w	18	18	1.040		25.0	N	-	468
WALL 1	s	1960	1960	0.072	B	17.8	N	L	2505
WALL 1	n	1897	1897	0.072	B	14.5	N	L	1980
WALL 1	w	1235	1235	0.072	B	17.8	N	L	1578
WALL 1	e	1136	1136	0.072	B	24.3	N	L	1983
DOOR 1	s	147	147	0.560		25.0	-	-	2058
DOOR 1	n	63	63	0.560		25.0	-	-	882
DOOR 1	w	63	63	0.560		25.0	-	-	882
DOOR 1	e	0	0	0.560		25.0	-	-	0
FLOR 1	-	486	486	0.810		0.0	-	-	0
ROOF 1	-	9834	9834	0.030	RC-1	86.7	-	D	25563

4. INTERNAL HEAT GAIN

								Sens	Latent
People	415	x	Per person:	sensible	225	latent	105	93375	43575
	0	x	Per person:	sensible	300	latent	300	0	0
Lights	Incandescents in RA Ceiling				0	x 3.4	x 60%	0	0
	Fluorescents in RA Ceiling				0	x 4.1	x 60%	0	0
	Incandescents other				0	x 3.4	x 100%	0	0
	Fluorescents other				14700	x 4.1	x 100%	60270	0
Motors	Nmbr	Power		Gain	Load Fact		Usage		
1	1	0.50		2120	1.00		1.00	2120	
2	1	0.00		0	1.00		1.00	0	
3	1	0.00		0	1.00		1.00	0	

Appl.	Nmbr	Type	Sens	Latent	Usage		
1	1		0	0	1.00	0	0
2	1		0	0	1.00	0	0
3	1		0	0	1.00	0	0
4	1		0	0	1.00	0	0
5	1		0	0	1.00	0	0
Other	1		0	0	1.00	0	0

5. INFILTRATION						Sens	Latent
0 cfm	→	x	db Temp Diff	25.0	x	1.1	0
	→	x	Moist. Diff	63.4	x	0.68	0

6. SUBTOTAL COOLING LOAD FOR SPACE						214097	43575
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7. SUPPLY DUCT HEAT GAIN							
Gain factor	0.10		x Line 6 Sensible Gain			21410	

8. COOLING FAN SIZING							
Sum of Duct Gain	(7)	Line (6)	& Drawthru Fan	=		235507	
	(L 8 Sens	)	/ (1.1 x Supply TD	) = cfm			
Est Cooling	cfm	= (	235507)	/ (1.1 x 17.0	) = 12663		
Actual Cooling Fan					= 12663		

9. VENTILATION							
3795 cfm	→	x	db Temp Diff	25.0	x	1.1	103794
	→	x	Moist. Diff	63.4	x	0.68	162769

10. RETURN AIR LOAD FROM LIGHTING AND ROOF							
Incandescent Lights	0	Watts	x 3.4	x 40%		0	
Fluorescent Lights	0		x 4.1	x 40%		0	
RA Roof Load			from Line 3	(+)		0	
RA Ceiling Load Credit			from Line 3	(-)		0	

11. RETURN DUCT HEAT GAIN							
Gain factor	0.10		x Line 6 Sensible Gain			21410	

12. TOTAL COOLING LOADS ON EQUIPMENT (Btuh)						360711	206344
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SPACE HEATING LOAD CALCULATION

13. HEATING DESIGN TEMPERATURE							
Heating	TD = (Inside DB - Outside DB)			= (72 - 33) = 39			
					[Mult = 1.0]		

14. TRANSMISSION LOSSES							
Type	Expos	GrArea	NetArea	Uval	HTD	Loss	
GLAZ	1 s	36	36	1.100	39.0	1544	
GLAZ	1 n	126	126	1.100	39.0	5405	
GLAZ	1 e	180	180	1.100	39.0	7722	
GLAZ	1 w	18	18	1.100	39.0	772	
WALL	1 s	1960	1960	0.072	39.0	5504	
WALL	1 n	1897	1897	0.072	39.0	5327	
WALL	1 w	1235	1235	0.072	39.0	3468	
WALL	1 e	1136	1136	0.072	39.0	3190	
DOOR	1 s	147	147	0.560	39.0	3210	
DOOR	1 n	63	63	0.560	39.0	1376	
DOOR	1 w	63	63	0.560	39.0	1376	
DOOR	1 e	0	0	0.560	39.0	0	

Job #:	Grace Covenant Church					Page:	3
FLOOR	1	-	486	486	0.810	39.0	15353
ROOF	1	-	9834	9834	0.030	39.0	11506

15. INFILTRATION							Loss
1770	cfm	x	db Temp Diff	39.0	x	1.1	75525
16. SUBTOTAL HEATING LOAD FOR SPACE							141278
17. SUPPLY DUCT HEAT LOSS							
Loss factor	0.10	x	Line 16 Loss				14128
18. VENTILATION							
3795	cfm	x	db Temp Diff	39.0	x	1.1	161919
19. HUMIDIFICATION							
Inside RH desired	:	32.0	(Max = 32.0 for 1 pane	)			
# of Glazing panes	:	1.0	(Max = 52.0 for 2 pane	)			
5565	cfm	x	2.80	g/100cfm/d	=	156	gpd
							57755
20. RETURN DUCT HEAT LOSS							
Loss factor	0.10	x	Line 16 Loss				14128
21. TOTAL HEATING LOAD ON EQUIPMENT (Btuh)							389207

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: ITCU787920128163622

Truss Fabricator: Progress Truss, LLC
Job Identification: 076427--- Lake City , FL
Truss Count: 29
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: FBC2004;IBC CODE
Engineering Software: Alpine Software, Versions 7.40, 7.33.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
the seal date per section 61G15-31.003(5a) of the FAC
Address:
Minimum Design Loads: Roof - 37.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 120 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: HCUSR7879

Details: BRCLBSUB-A12030EE-GBLLETIN-BRWEBLOK-VALTRUSS-

Seal Date: 11/28/2007

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

#	Ref	Description	Drawing#	Date
1	06112--B3		07332018	11/28/07
2	06113--B2		07332019	11/28/07
3	06114--B		07332020	11/28/07
4	06115--A2		07332031	11/28/07
5	06116--B1		07332021	11/28/07
6	06117--A		07332022	11/28/07
7	06118--A1		07332023	11/28/07
8	06119--V11		07332024	11/28/07
9	06120--V10		07332003	11/28/07
10	06121--V9		07332004	11/28/07
11	06122--V8		07332005	11/28/07
12	06123--V7		07332006	11/28/07
13	06124--V6		07332007	11/28/07
14	06125--V5		07332008	11/28/07
15	06126--V4		07332009	11/28/07
16	06127--V3		07332010	11/28/07
17	06128--V2		07332011	11/28/07
18	06129--V1		07332025	11/28/07
19	06130--B5		07332026	11/28/07
20	06131--B4		07332030	11/28/07
21	06132--C		07332027	11/28/07
22	06133--V12		07332012	11/28/07
23	06134--V13		07332013	11/28/07
24	06135--V14		07332014	11/28/07
25	06136--V15		07332015	11/28/07
26	06137--V16		07332016	11/28/07
27	06138--V17		07332028	11/28/07
28	06139--D		07332017	11/28/07
29	06140--D1		07332029	11/28/07



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID: ITCU7879Z0128163622

Truss Fabricator: Progress Truss, LLC
Job Identification: 076427--- Lake City , FL (1725 Beach Drive N.E. St.Pete)
Truss Count: 4
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: FBC2004;IBC CODE
Engineering Software: Alpine Software, Versions 7.40, 7.33.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 37.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 120 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: HCUSR7879

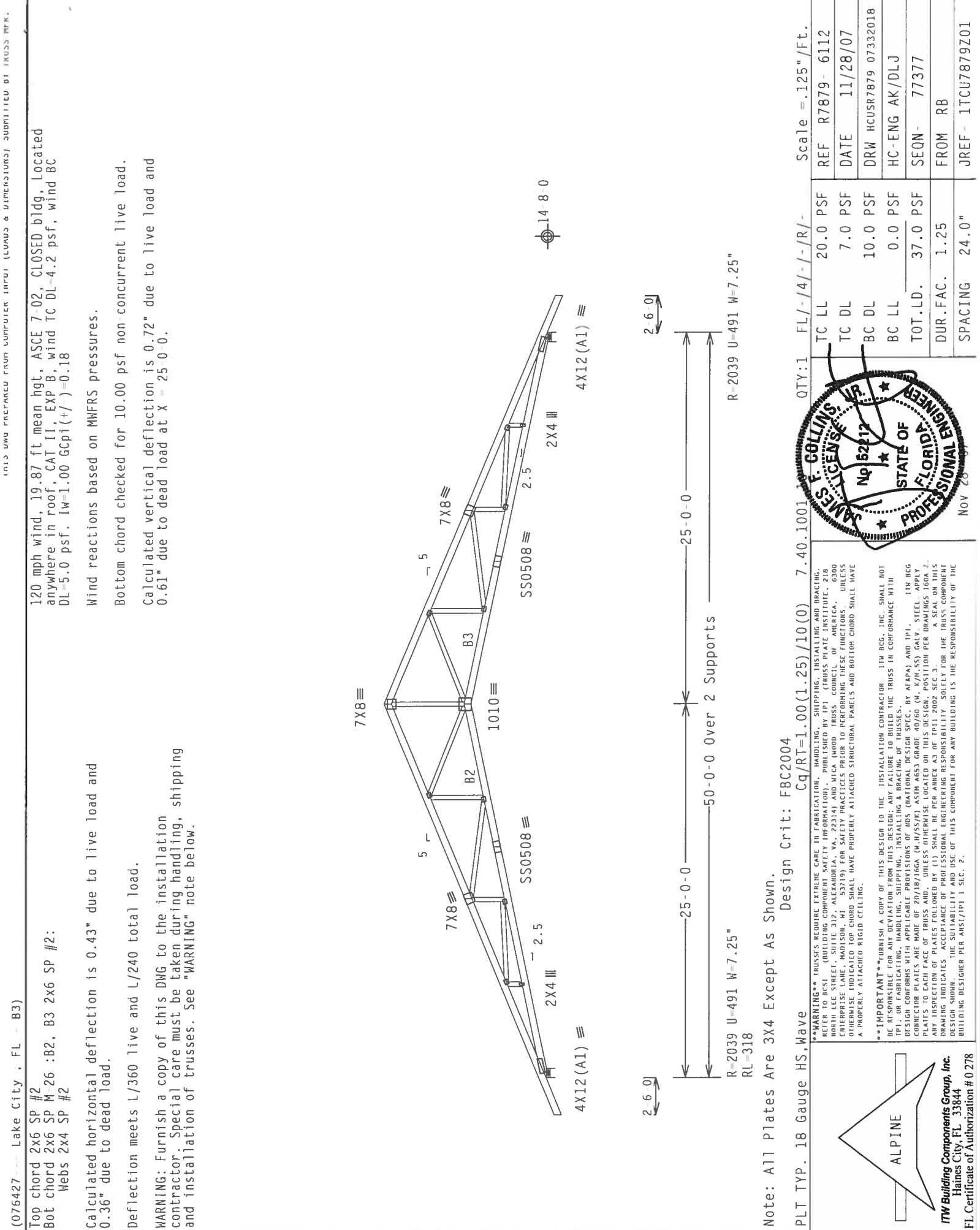
Seal Date: 11/28/2007

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	06115--A2		07332031	11/28/07
2	06118--A1		07332023	11/28/07
3	06130--B5		07332026	11/28/07
4	06131--B4		07332030	11/28/07





(076427 --- Lake City, FL - B3)

Top chord 2x6 SP #2
Bot chord 2x6 SP M-26 :B2, B3 2x6 SP #2:
Webs 2x4 SP #2

Calculated horizontal deflection is 0.43" due to live load and 0.36" due to dead load.

Deflection meets L/360 live and L/240 total load.

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

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non concurrent live load.

Calculated vertical deflection is 0.72" due to live load and 0.61" due to dead load at x = 25' 0".

120 mph wind, 19.87 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non concurrent live load.

Calculated vertical deflection is 0.72" due to live load and 0.61" due to dead load at x = 25' 0".

120 mph wind, 19.87 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non concurrent live load.

Calculated vertical deflection is 0.72" due to live load and 0.61" due to dead load at x = 25' 0".

120 mph wind, 19.87 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non concurrent live load.

Calculated vertical deflection is 0.72" due to live load and 0.61" due to dead load at x = 25' 0".

120 mph wind, 19.87 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non concurrent live load.

Calculated vertical deflection is 0.72" due to live load and 0.61" due to dead load at x = 25' 0".

120 mph wind, 19.87 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

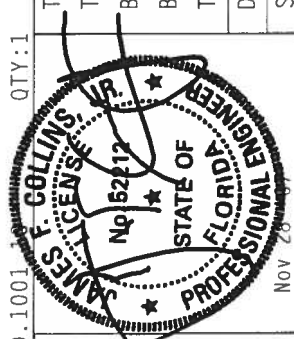
Bottom chord checked for 10.00 psf non concurrent live load.

Calculated vertical deflection is 0.72" due to live load and 0.61" due to dead load at x = 25' 0".

120 mph wind, 19.87 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non concurrent live load.



QTY: 1	FL / - / 4 / - / - / R / -	Scale = .125" / Ft.
TC LL	20.0 PSF	REF R7879- 6112
TC DL	7.0 PSF	DATE 11/28/07
BC DL	10.0 PSF	DRW HCUSR7879 07332018
BC LL	0.0 PSF	HC-ENG AK/DLJ
TOT.LD.	37.0 PSF	SEQN- 77377
DUR.FAC.	1.25	FROM RB
SPACING	24.0"	JREF- 1TCU7879Z01

PLT TYP. 18 Gauge HS, Wave

Design Crit: FBC2004

Cq/RT=1.00(1.25)/10(0) 7.40.1001

R-2039 U=491 W=7.25"

RL=318

Note: All Plates Are 3X4 Except As Shown.

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (CROSS PLATE INSTITUTE, 218 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. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES.

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

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

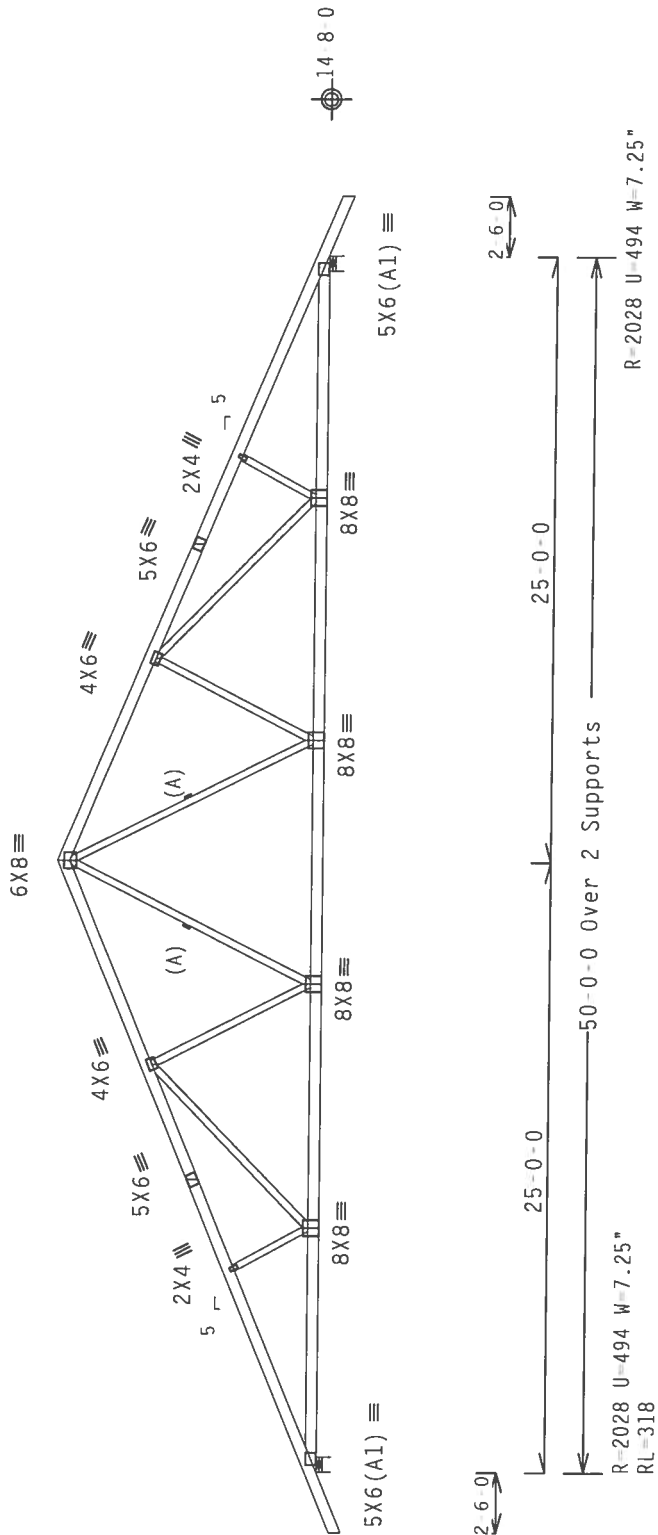
ITH Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

120 mph wind, 19.87 ft mean ht, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. Iw 1.00 GCpi (+/-) -0.18

Wind reactions based on MWFR pressures.

Deflection meets L/360 live and L/240 total load.

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

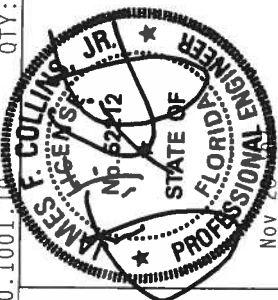


Design Crit: FBC2004

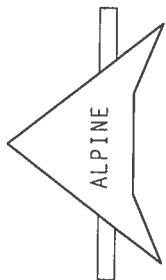
$$Cq/RT=1.00(1.25)/10(0) \quad 7.40.1001.10$$

Scale = .125"/Ft.

TC LL	20.0 PSF	REF R7879- 6113
TC DL	7.0 PSF	DATE 11/28/07
BC DL	10.0 PSF	DRW HCUR87879 07332019
BC LL	0.0 PSF	HC-ENG AK/DLJ
TOT.LD.	37.0 PSF	SEQN- 77399
DUR.FAC.	1.25	FROM RB
SPACING	24.0"	JREF- 1TCU7879Z01

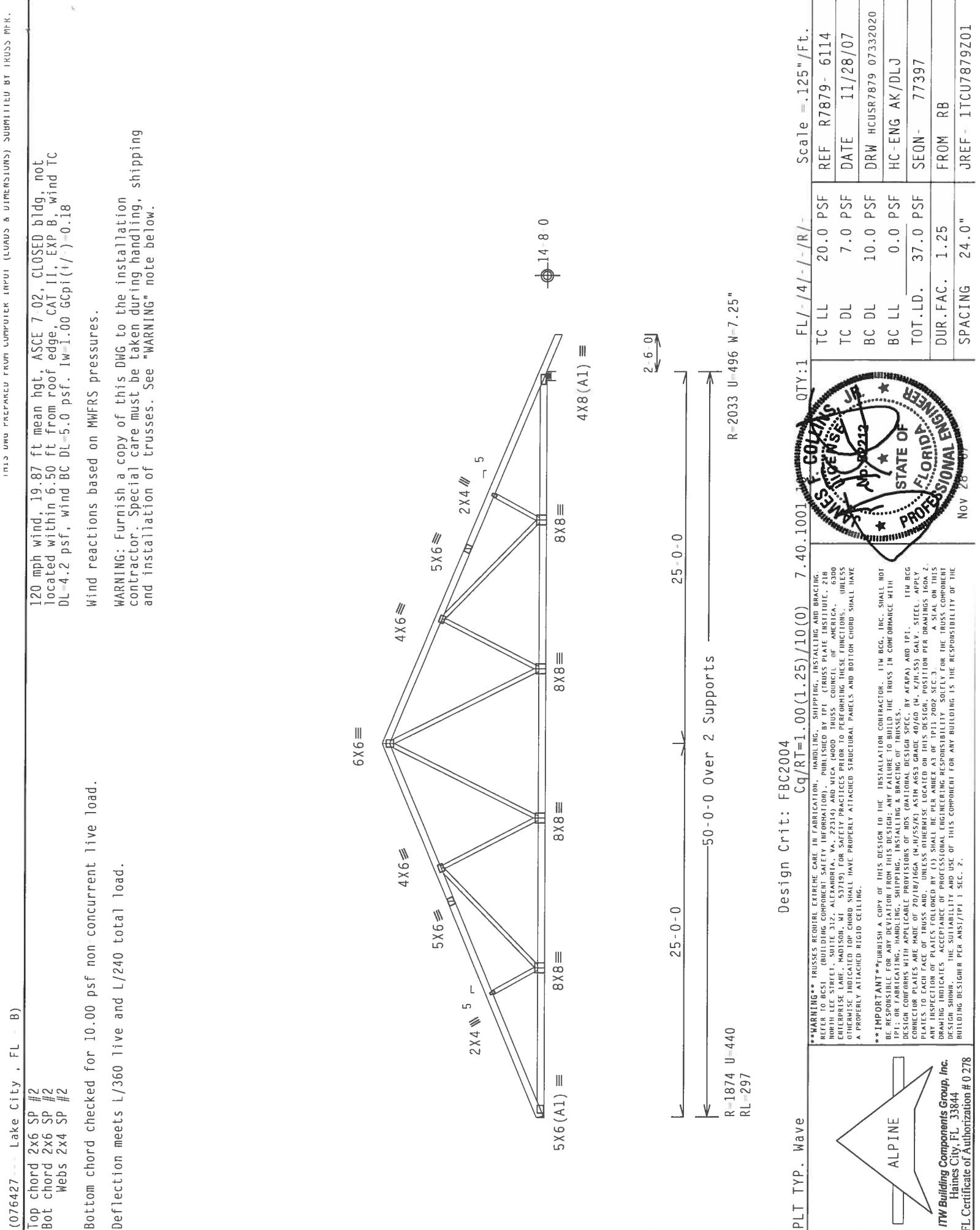


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRACING. REFER TO BEST BUILDING COMPONENTS INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, 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 INDICATED RIGID CEILING.

[illegible]

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

FL Certificate of Authorization # 0 278



(076427) Lake City, FL - B)

Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #2

Bottom chord checked for 10.00 psf non concurrent live load.

Deflection meets L/360 live and L/240 total load.

120 mph wind, 19.87 ft mean hgt, ASCE 7 02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind tc DL=4.2 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)0.18

Wind reactions based on MWFRS pressures.

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

PLT TYP. Wave

Design Crit: FBC2004

Cq/RT=1.00(1.25)/10(0) 7.40.1001 QTY:1

Scale = .125" / Ft.

TC LL	20.0 PSF	REF	R7879- 6114
TC DL	7.0 PSF <td>DATE</td> <td>11/28/07</td>	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCUSR7879 07332020
BC LL	0.0 PSF	HC-ENG	AK/DLJ
TOT.LD.	37.0 PSF	SEQN-	77397
DUR.FAC.	1.25	FROM	RB
SPACING	24.0"	JREF-	1TCU7879Z01

ALPINE

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

FL Certificate of Authorization # 0278

Nov 28, 2012

James F. Collins, Professional Engineer, State of Florida, No. 2212

5 COMPLETE TRUSSES REQUIRED

Top chord 2x6 SP #1 Dense : T3, T4 2x6 SP #2:
Bot chord 2x8 SP 2400f-1.8E
Webs 2x4 SP #2 : W7 2x4 SP M-31:

120 mph wind, 20.17 ft mean ht, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.27" due to live load and 0.23" due to dead load.

Deflection meets L/360 live and L/240 total load.

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

* WARNING* A reaction exceeds 2000 lbs.

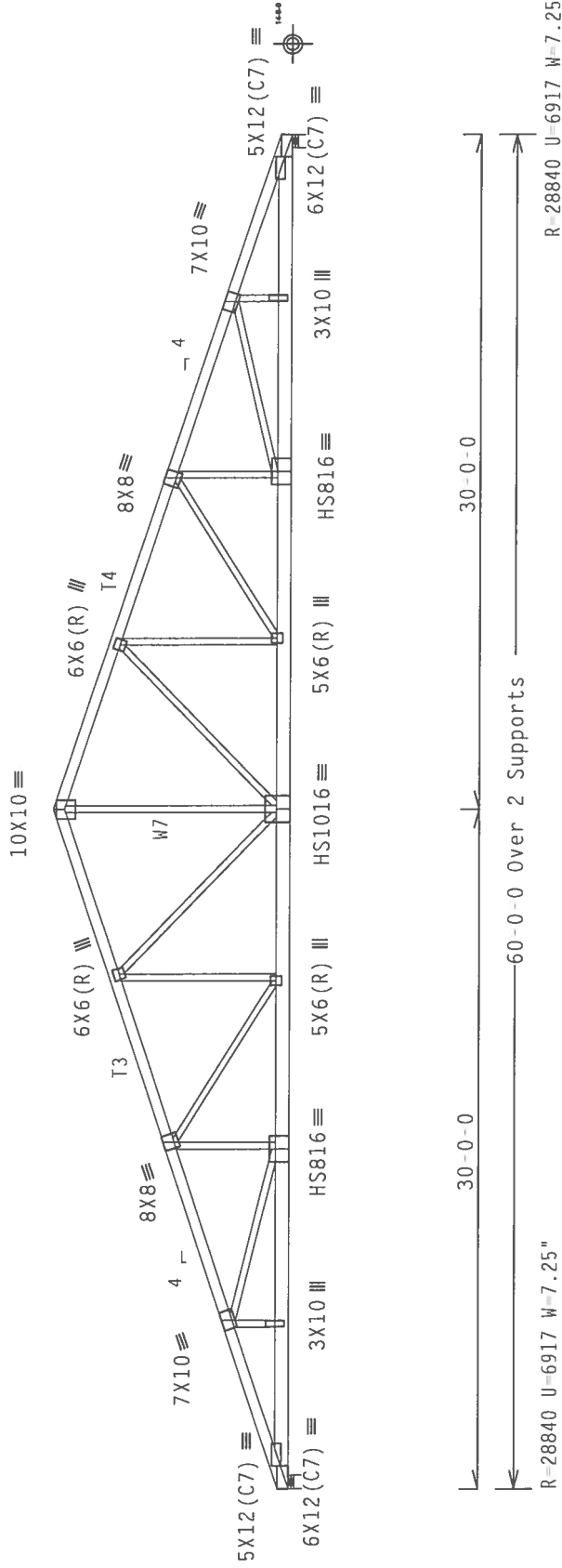
Nailing Schedule: (10d Box or Gun (0.128"x3", min.)_nails)
 Top Chord: 1 Row @12.00" o.c.
 Bot Chord: 2 Rows @ 4.00" o.c. (Each Row)
 Webs : 1 Row @ 4" o.c.

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

Wind reactions based on MWFRS pressures.

Girder supports 50-0-0 span to BC one face and 1-0-0 span to TC/BC split opposite face.

Calculated vertical deflection is 1.01" due to live load and 0.87" due to dead load at $x = 37'-6.14$.

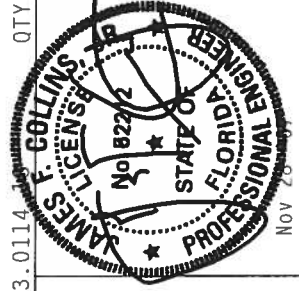


PLT TYP. 20 Gauge HS, Wave

Design Crit: IBC CODE
Cq/RT=1

QTY:1 FL/-/4/-/-/R/-
Scale = .125"/Ft.

TC LL	20.0	PSF	REF	R7879	6115
TC DL	7.0	PSF	DATE	11/28/07	
BC DL	10.0	PSF	DRW	HCUSR7879	07332031
BC LL	0.0	PSF	HC-ENG	AK/DLJ	
TOT.LD.	37.0	PSF	SEQN-	18407	REV
DUR.FAC.	1.25		FROM	RB	
SPACING	24.0"		JREF-	1TCU7879Z01	



*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (CRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 63000 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 FOR ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR AVOIDING ANY COLLISIONS WITH EXISTING UTILITIES OR STRUCTURES. THE TRUSS IN COMPLIANCE WITH THE FOLLOWING SPECIFICATIONS IS THE PROPERTY OF THE TRUSS COMPANY AND SHALL REMAIN THE PROPERTY OF THE TRUSS COMPANY.

1. FABRICATING, HANDLING, SHIPMENT, INSTALLATION, BRACING & TRUSSES:

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND IPTL ITH BCG. CONNECTOR PLATES ARE MADE OF 2018/16GA (W-14/S13K) ASH AREA GRADE 40/60 (H, K/H-S5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND (WHICH/EITHERWISE) LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX 43 OF IPTL 2007 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY (1) SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMX/IPTL 1 SEC. 2.

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

120 mph wind, 19.87 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT 1, EXP B, wind TC DL-4.2 psf, wind BC DL-5.0 psf $I_w=1.00$ GCpi(t)=0.18

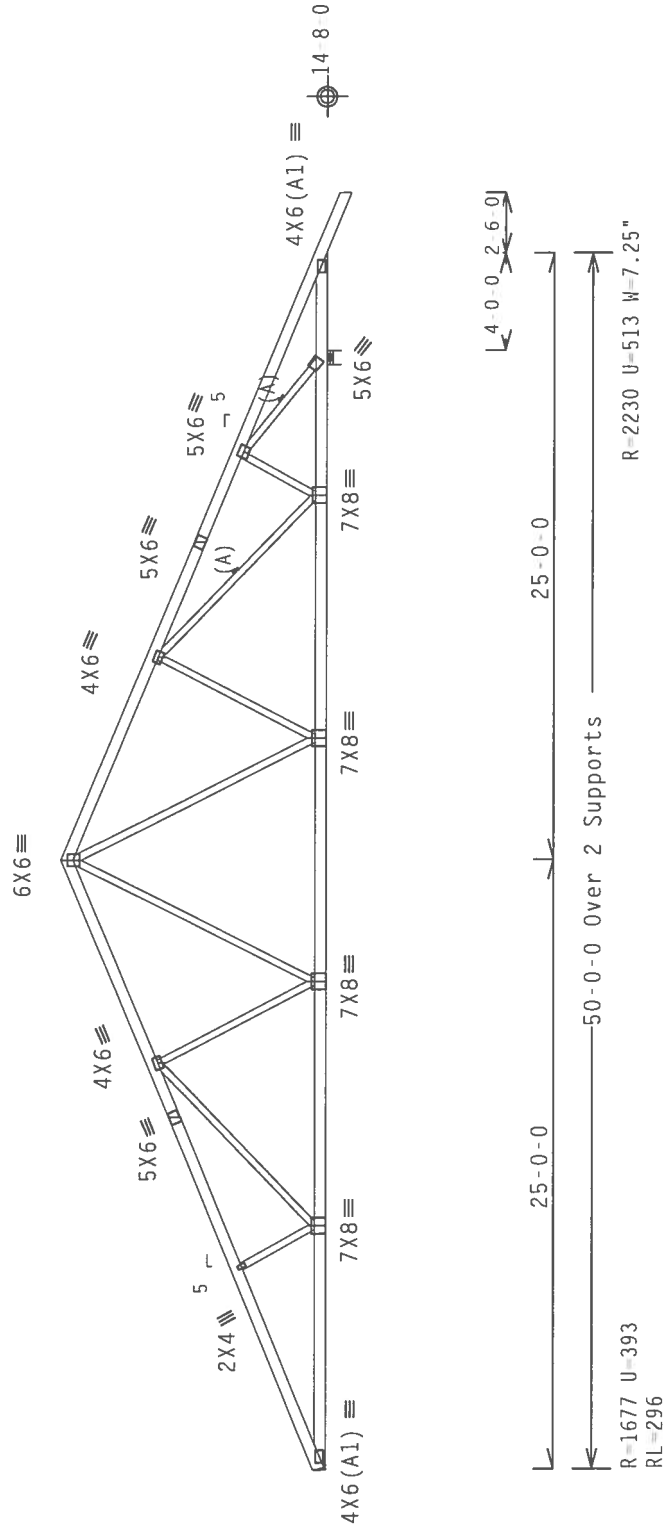
Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



Design Crit: FBC2004

 $\text{Ca}/\text{RT}=1$

Scale = .125"/Ft.

RFF R7879- 6116

KL1	K/0/0	0110
DATE	11/28/07	

DATE 11/20/01

DRW HCUSR7879 073320

HC-ENG AK/DLJ

SEQN- 77394

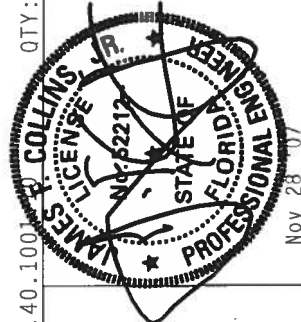
FROM RB

10CE-1TC117970707

REF ID: A67610

[illegible]

****IMPORTANT****—TURKISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE OR DAMAGE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC.) AND ACPA AND IPTL. ITW BCG CONNECTOR PLATES ARE MADE OF 7017/16GA. (AL 6063 GRADE 40/60 (4. KIN/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, WITHOUT OVERSTRESS, LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 16GA. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF IPTL 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 BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX 43 OF IPTL 2002 SEC. 2.



Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #2

Calculated horizontal deflection is 0.14" due to live load and 0.12" due to dead load.

Bottom chord checked for 10.00 psf non concurrent live load.

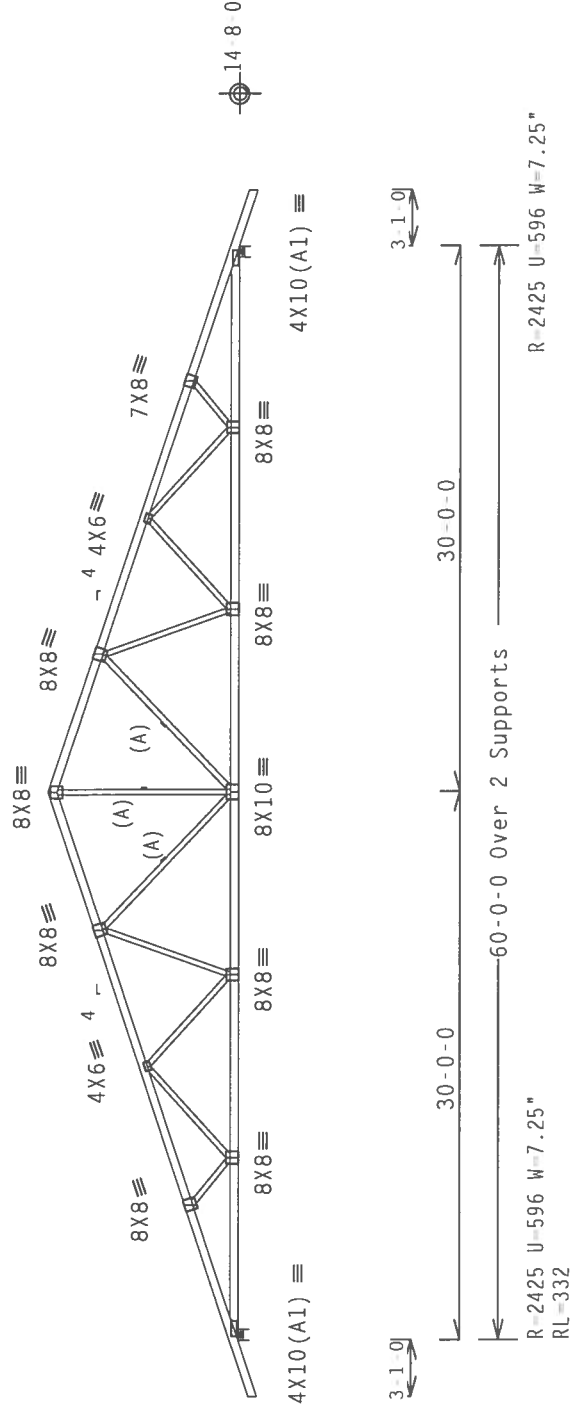
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

120 mph wind, 19.66 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

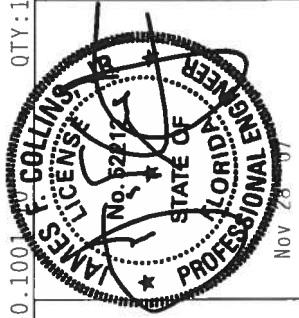
Deflection meets L/360 live and L/240 total load.



Design Crit: FBC2004

Cq/RT=1.00(1.25)/10(0) 7.40.1001
R-2425 U-596 W=7.25"
RL=332

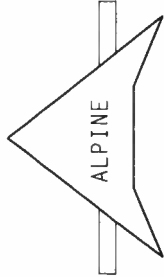
QTY: 1	FL / - / 4 / - / - / R / -	Scale = .09375" / Ft.
TC LL	20.0 PSF	REF R7879 6117
TC DL	7.0 PSF	DATE 11/28/07
BC DL	10.0 PSF	DRW HCUSR7879 07332022
BC LL	0.0 PSF	HC-ENG AK/DLJ
TOT.LD.	37.0 PSF	SEQN - 77406
DUR.FAC.	1.25	FROM RB
SPACING	24.0"	JREF - 1TCU7879Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 317, ALEXANDRIA, VA, 22304) AND BECA (BIRD ENGINEERING CORPORATION, 1000 W. 10TH AVENUE, SUITE 100, DENVER, CO 80202) FOR ADDITIONAL INFORMATION. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. 1TH BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (N/A/55/K) ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMHX 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.



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

120 mph wind, 19.91 ft mean hgt, ASCE 7-02, CL0SED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)0.18

Wind reactions based on MWFRS pressures.

See DWGS A12030EE0207 & GBLLETIN0207 for more requirements.

Deflection meets L/360 live and L/240 total load.

```

Stack Chord SC1 2x6 SP #2::Stack Chord SC2 2x6 SP #2:

```

Truss spaced at 24.0" OC designed to support 1-4-0 top chord
outlookers. Cladding load shall not exceed 2.00 PSF. Top chord
must not be cut or notched.

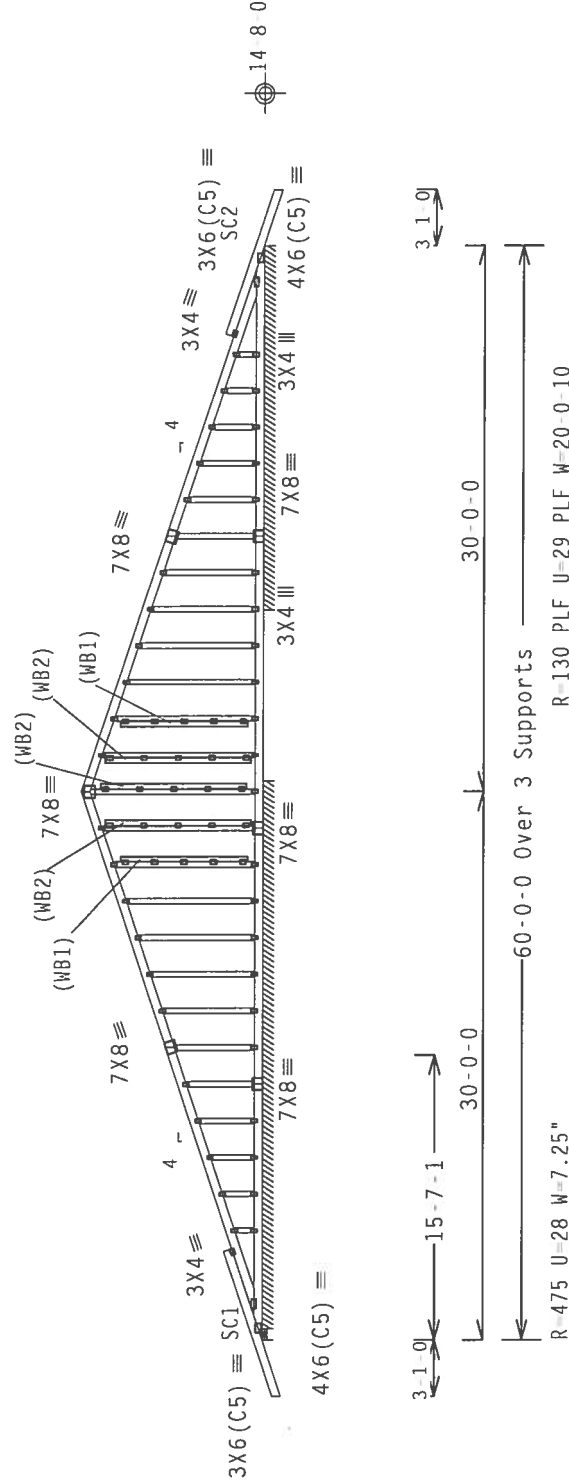
WB: Web-Blocks are 2x4 of grade: WB1 = SP #2, WB2 = SP #2; and fastened to web with W3X4 or larger plates. See DRWG BRWEBLOCK0207 for further details.

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

Bottom chord checked for 10.00 psf non concurrent live load.

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

WB: Bracing shown in referenced gable detail may be used in lieu of web bracing indicated on this drawing.



R-130 PLF U=29 PLF W=20-0-10

Note: All plates are 2x4 except as shown.

Design Crit: FBC2004

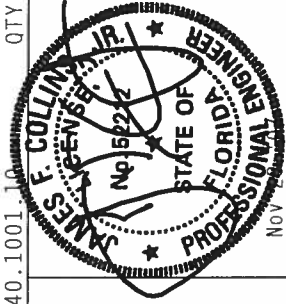
PLT TYP. Wave

$$C\sigma/RT=1.00(1.25)/10(0) \quad 7.40 \quad 1001 \quad 10$$

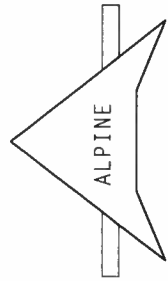
QTY:1 FI1-141-1-1R1-

Scale = 09375"/Ft

TC LL	20.0	PSF	REF	R7879-	6118
TC DL	7.0	PSF	DATE	11/28/07	
BC DL	10.0	PSF	DRW	HCUSR7879	07332023
BC LL	0.0	PSF	HC-ENG AK/DLJ		
TOT.LD.	37.0	PSF	SEQN-	77444	REV
DUR.FAC.	1.25		FROM	RB	
SPACING	24.0"		JREF-	1TCU7879Z01	

[illegible]

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR JTW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES. THE DESIGN SPEC. BY ALPAC AND TP1. JTW BCG ASSUMES ALL LIABILITY FOR ANY MODIFICATION OF THIS NATIONAL SPECIFICATION. THE DESIGNER SHALL PROVIDE ALL CONNECTION DETAILS AND BRACING REQUIREMENTS TO THE INSTALLER. THE DESIGNER SHALL PROVIDE ALL CONNECTIONS 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 ALPAC A3 OF TP1-2002 SEC.3.. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS OF THIS PROJECT. THE DESIGNER SHALL BE RESPONSIBLE FOR THE VERIFICATION OF THE TRUSS COMPONENTS OF THE BUILDING DESIGNER THAT COMPLY WITH TP1-2002 SEC. 2.



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

FL Certificate of Authorization #0 278

Top chord	2x4	SP M-31	:T2,	T3	2x4	SP #2:
Bot chord	2x4	SP M-31	:B2,	B3	2x4	SP #2:
Webs		2x4	SP #2			

WB: Web Blocks are 2x4 of grade: WB1 = SP #2, and fastened to web with W3X4 or larger plates. See DRWG BRWEBLOCK0207 for further details.

WB: Bracing shown in referenced gable detail may be used in lieu of web bracing indicated on this drawing.

Deflection meets L/360 live and L/240 total load.

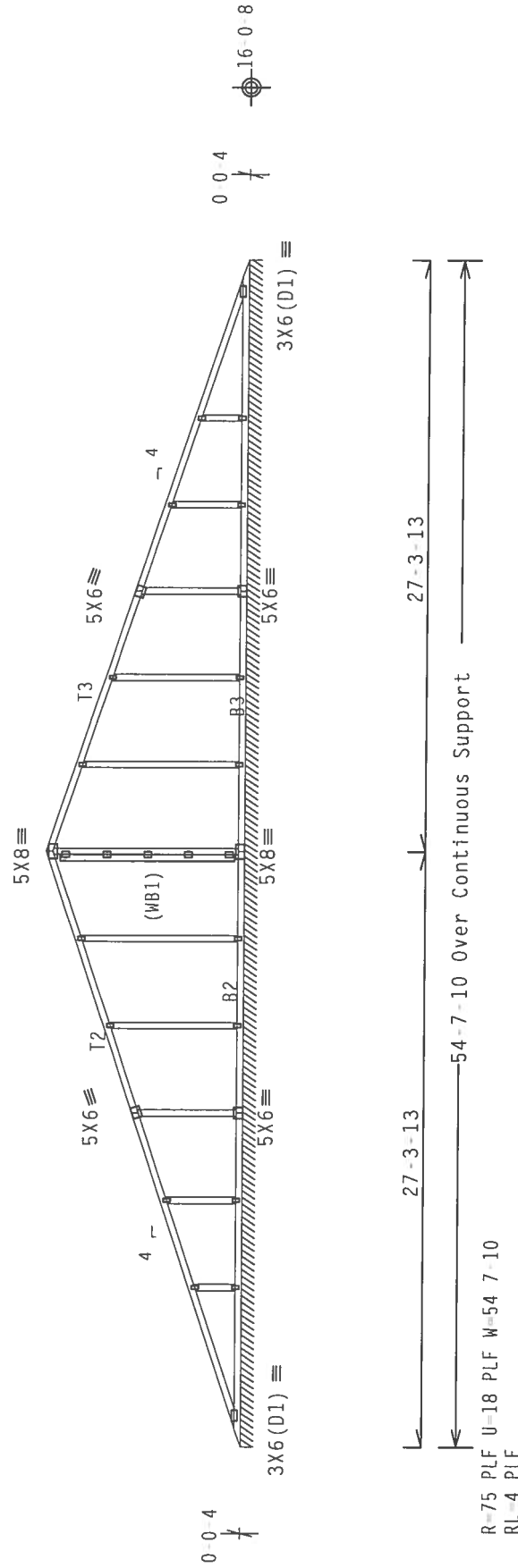
See DWG VALTRUSS0207 for valley details.

120 mph wind, 20.75 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT 11, EXP B, wind TC DL-4.2 psf, wind BC DL-5.0 psf $I_w=1.00$ GCpi(+/-) 0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



Note: All Plates Are 2X4 Except As Shown.

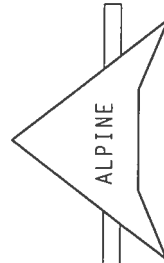
Design Crit: FBC2004

PLT TYP. Wave

BCZ004
Ca/RT=1 00(1 25)/10(0) 7 40 1001

0TV:1 EI / 14 / 1 / 10 /

Scale = .125"/Ft.

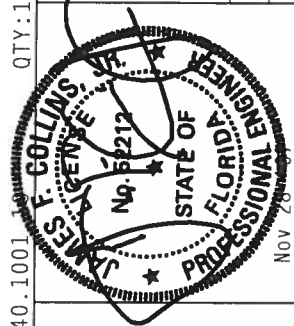


ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND AISC (4000 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 PROPERLY ATTACHED RIGID CORDING.

****IMPORTANT****TURNISH 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 FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGNER'S SPECIFICATIONS FOR JOINTS (ASTM DESIGN SPEC. BY A7AP6) AND TPT. ITW BCG
CONNECTION PLATES ARE AVAILABLE THROUGH ASTH A693 GRADE 40/60 CM. X/H-55 GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND CROSS MEMBERS. POSITION PER DRAWINGS 160A-2.
ANY INSPECTION OF PLATES FOLLOWED BY (1.) SHALL BE PERMITTED UNDER SECTION 2.
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT
BEING SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANSI/APT 1 SEC. 2.



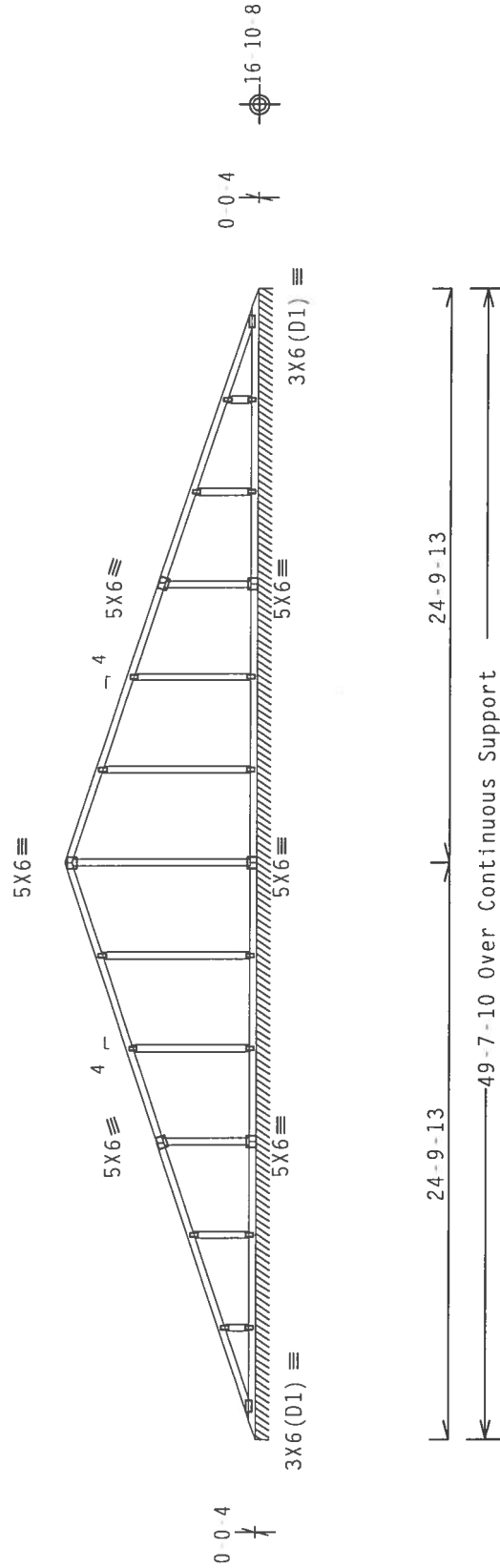
TC LL	20.0	PSF	REF	R7879- 6119
TC DL	7.0	PSF	DATE	11/28/07
BC DL	10.0	PSF	DRW	HCUSR7879 07332024
BC LL	0.0	PSF	HC-ENG	AK/DLJ
TOT.LD.	37.0	PSF	SEGN-	77450
DUR.FAC.	1.25		FROM	RB
SPACING	24.0"		JREF-	1TCU7879Z01

120 mph wind, 21.17 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 6.50 ft from roof edge, CAT II, EXP B, wind TC
DL=4.2 psf, wind BC DL=5.0 psf $I_w 1.00$ GCpi(1/1) 0.18

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load.

See DWG VALTRUSS0207 for valley details.



R-75 PLF U-18 PLF W-49 7-10
RL-4 PLF

Note: All Plates Are 2X4 Except As Shown.

Design Crit: FBC2004

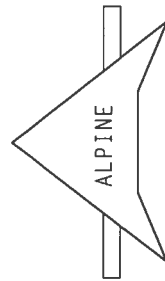
PLT TYP. Wave

DCL004
Cq/BT=1 00(1 25)/10(0) 7 40 1001

OTY·1 EI / - / A / - / - / B / -

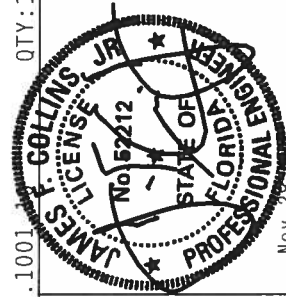
Scale = .125"/Ft.

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COMPANY OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI, 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BUSH CHORD SHALL HAVE PROPERLY ATTACHED RIGID END PLATES.

[illegible]

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

FL Certificate of Authorization #0278



NOV 28 1971

ITEM #	QTY	UNIT	DESCRIPTION	SCALE	DATE	FILE
TC LL	20.0	PSF		REF	R7879-	6120
TC DL	7.0	PSF		DATE	11/28/07	
BC DL	10.0	PSF		DRW	HCUSR7879	07332003
BC LL	0.0	PSF		HC-ENG	AK/DLJ	*
TOT.LD.	37.0	PSF		SEON-	77455	
DUR.FAC.	1.25			FROM	RB	
SPACING	24.0"			JREF-	1TCU7879Z01	

(076427 - Lake City, FL - V9)

Top chord 2x4 SP M-31 :T2, T3 2x4 SP #2:
Bot chord 2x4 SP M-31
Webs 2x4 SP #2

Bottom chord checked for 10.00 psf non concurrent live load.
Deflection meets L/360 live and L/240 total load.

120 mph wind, 21.59 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. $1w=1.00 Gcpi(+/-)0.18$

Wind reactions based on MMFRS pressures.

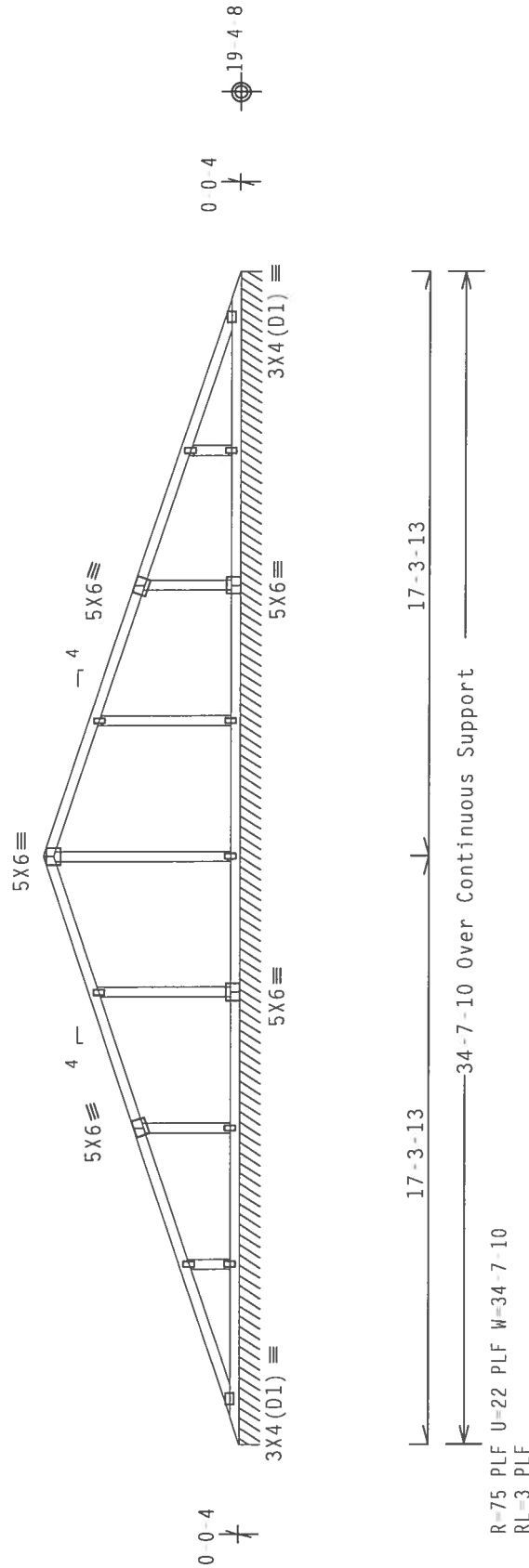
See DWG VALTRUSS0207 for valley details.

QTY:1	FL / - / 4 / - / - / R / -	Scale = .125" / Ft.
TC LL	20.0 PSF	REF R7879- 6121
TC DL	7.0 PSF	DATE 11/28/07
BC DL	10.0 PSF	DRW HCUSR7879 07332004
BC LL	0.0 PSF	HC-ENG AK/DLJ *
TOT.LD.	37.0 PSF	SEQN - 77460
DUR.FAC.	1.25	FROM RB
SPACING	24.0"	JREF - ITCU7879Z01

120 mph wind, 22.42 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, $I_w=1.00$ GCpi(1/-)=0.18

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.



Design Crit: FBC2004

Design of Ca^{2+} and $\text{Ca}^{2+}/\text{RT} = 1$

Scale = .1875"/Ft.

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

1007

$$Cq/RT=1.00(1.25)/10(0)$$
 $C_q/RT=1$

PLT TYP. Wave

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, UNLOADING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY ITT (KINGS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND A HODD TRUSS, COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, HADISON, MI 48375, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE

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

NOV 28 07

JREF- 1TCU7879Z01

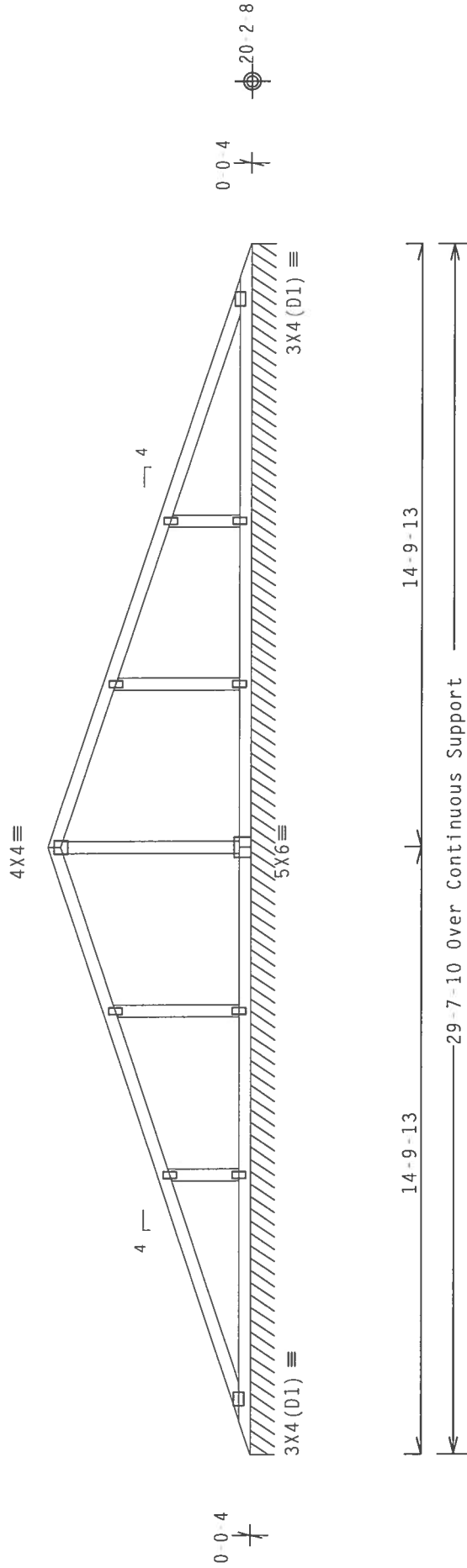
120 mph wind, 22.84 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load.



R-75 PLF U-25 PLF W-29 7-10
RL-2 PLF

Note: All Plates Are 2X4 Except As Shown.

Design Crit: FBC2004

 $Cq/RT=1$ $Cq/RT=1.00(1.25)/10(0) \quad 7.40.1001$

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

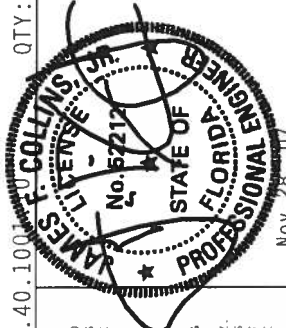
Scale = .25"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CRUISE PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, WEST 310, WESTFIELD, MA, 01095) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CHORD.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE TRUSSING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 N. LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, ENTERPRISE LANE, SUITE 319, WESTBURY, WI 53191) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CHORDING.

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

DESIGN CONFORMS WITH APPLICABLE REQUIREMENTS OF NDS (NATIONAL DESIGN SPEC. BY ACI/AS) AND TPI BCG. CONNECTION PLATES ARE MADE OF 2010/16GA (14-05/55)FS ASH A653 GRADE 40/60 (4 / 6/255) GALV. STEEL. APPLY 1/2" MIN. OVERLAP AND 1/4" MIN. END DISTANCE. TOP CHORD POSITION PER DRAWINGS. LEGAL REQUIREMENTS FOR INSPECTION OF PLATES FOLLOWED BY TPI. TPI SHALL NOT BE RESPONSIBLE FOR THE TRUSS COMPONENTS OR DRAGGING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 3 SEC. 2.



Haines City, FL 33844
FL Certificate of Authorization #0278

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120 mph wind, 23.25 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf Iw=1.00 GCpi(+/-) 0.18

Wind reactions based on MWFRS pressures.

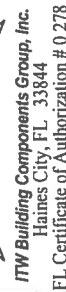
See DWG VALTRUSS0207 for valley details.



Scale = 3125"/Ft.

TC LL	20.0 PSF	REF R7879- 6125
TC DL	7.0 PSF	DATE 11/28/07

BC LL	0.0 PSF	HC-ENG AK/DLJ
TOT.LD.	37.0 PSF	SEQN- 77475
DUR.FAC.	1.25	FROM RB
SPACING	24.0"	DEE- 1TCU7720701



Haines City, FL 33844
FL Certificate of Authorization #0278

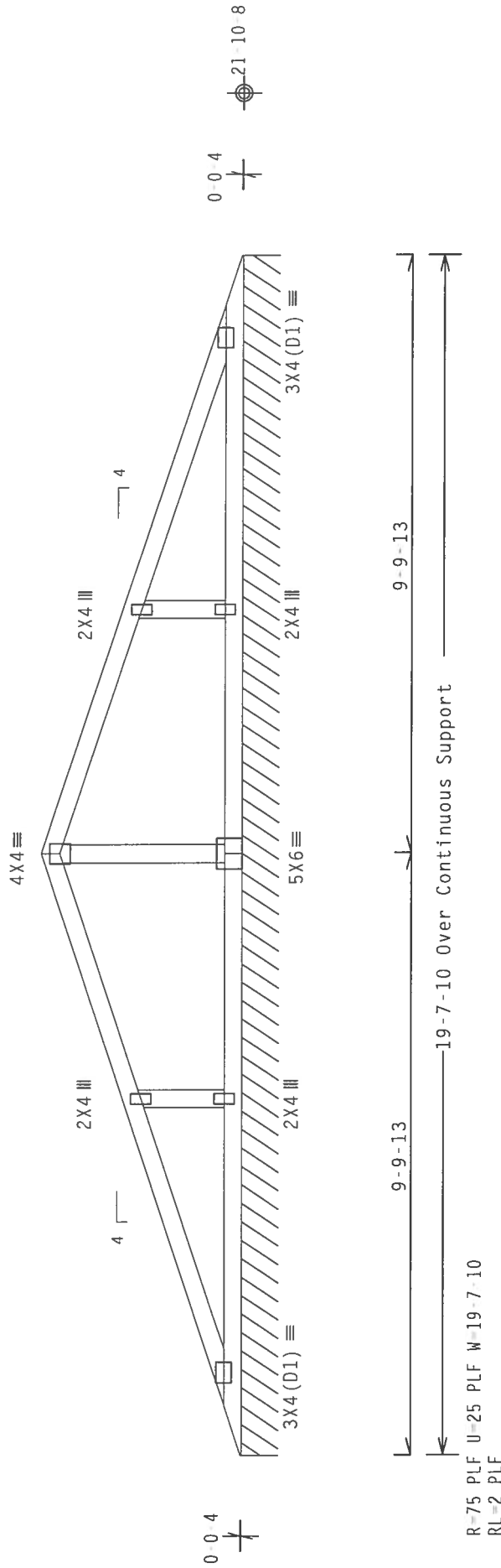
120 mph wind, 23.67 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-4.2 psf, wind BC DL=5.0 psf $I_w=1.00$ GCpi(+/-)=0.18

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load.

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.



R-75 PLF U-25 PLF W-19-7-10
RI=2 PLF

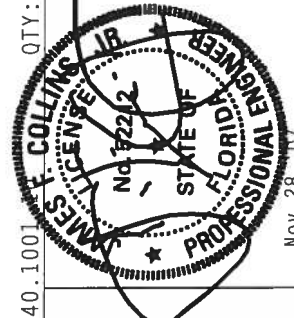
Design Crit: FBC2004

$$Cg/RT=1.00(1.25)/10(0) \quad 7.40.1001$$

QTY:1 FI/-/4/-/-/R/-

Scale = 375"/E+

WARNING: PROCESSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALL STEEL JOISTS MUST BE PROPERLY BRACED TO PREVENT LATERAL TORSIONAL BUCKLING. CROSS PLATE INSTITUTE, 218 NORTH LEE STREET, MADISON, WI 53703. 1-800-368-3312. **WARNING:** FOR SAFETY PURPOSES, THE JOIST FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CLIPPING.

[illegible]

Haines City, FL 33844
FL Certificate of Authorization #0278

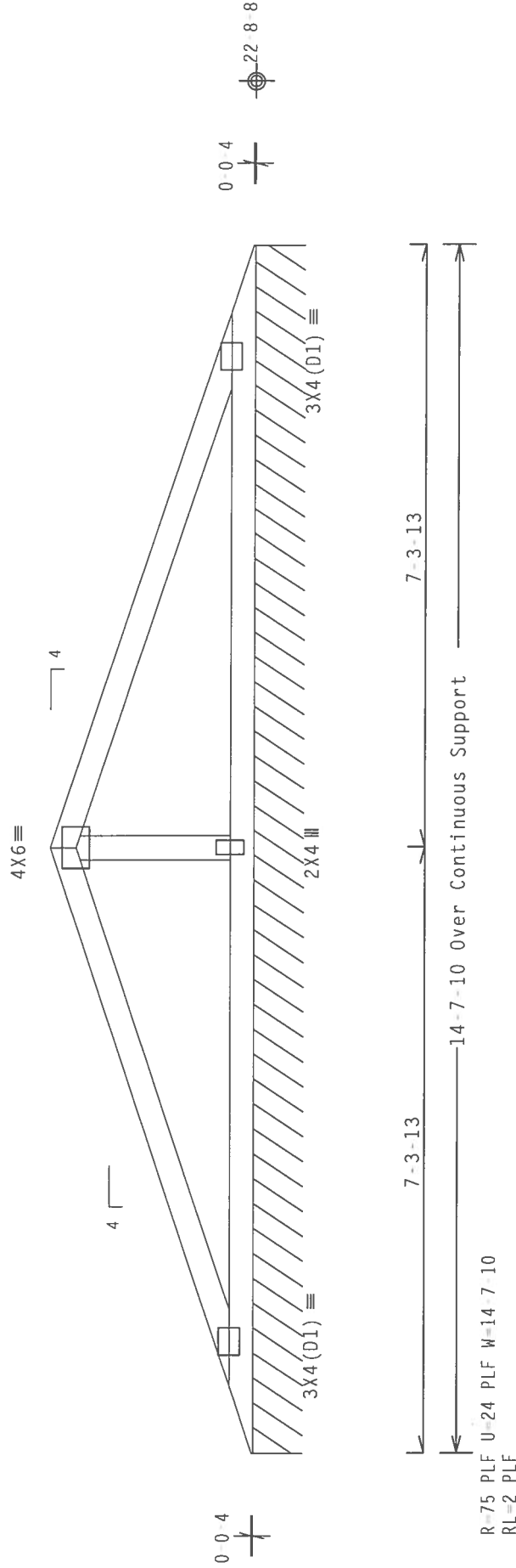
120 mph wind, 24.09 ft mean hgt., ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf $I_w=1.00$ GCpi(+/-) 0.18

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load.



R=75 PLF U=24 PLF W=14.7 10
RL=2 PLF

PLT TYP. Wave

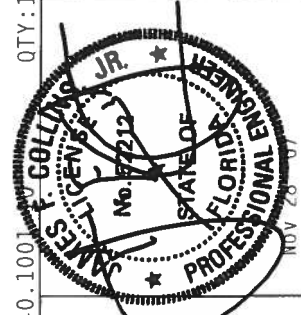
Design Crit: FBC2004

DCZ004
Cq/BT=1.00(1.25)/10(0) 7 40 1001

0TY·1 EI /- /4 /- /- /R /-

Scale = 5"/Ft

TC LL	20.0 PSF	REF	R7879- 6127
TC DL	7.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCUSR7879 07332010
BC LL	0.0 PSF	HC-ENG	AK/DLJ *
TOT.LD.	37.0 PSF	SEQN-	77480
DUR.FAC.	1.25	FROM	RB
SPACING	24.0"	JREF-	1TCU7879Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING CODES AND TRUSS INFORMATION, PUBLISHED BY (RUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND AFGA (GOOD TRUSS COUNCIL OF AMERICA, 6300 CHESTERFARM LANE, MADISON, WI 53719) FOR PROPERLY APPLIED PROCEDURES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTH CHORD SHALL HAVE A MINIMUM OF TWO (2) LATHES. ALL TRUSSES SHALL BE PROTECTED AGAINST FIRE AND CORROSION. ALL TRUSSES SHALL BE PROTECTED AGAINST INSECT DAMAGE.

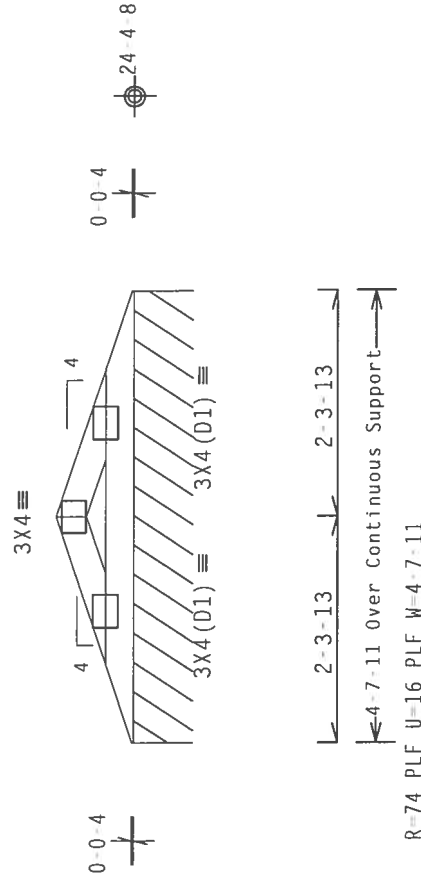
[illegible]

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

120 mph wind, 24.92 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.



Design Crit: FBC2004

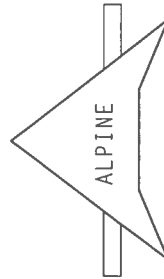
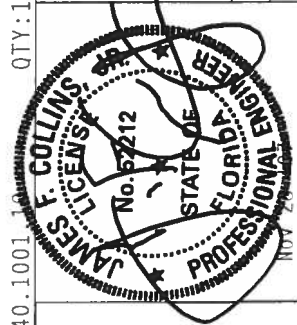
7
Cq/RT=1.00(1.25)/10(0)

****IMPORTANT****—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM REG., INC. SHALL NOT BE RESPONSIBLE FOR ANY INTERACTION WITH THIS DESIGNER. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR ANY FAILURE TO FOLLOW THE SUPPORT AND CONNECTION DETAILS WILL BE THE RESPONSIBILITY OF THE TRUSS DESIGNER. CONFORMS WITH ALL APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) BY AF&PA AND ITPI. THE REG. CONNECTOR PLATES ARE MADE OF 70/10/16GA. (4-H/5/25) ASTM A653 GRADE 40/60 (4. K/21.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, WHEREVER, LOST ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF ITPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/ITPI 1 SEC. 2.

PLT TYP. Wave

Scale = 5" / Ft.

TC LL	20.0 PSF	REF	R7879- 6129
TC DL	7.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCUSR7879 07332025
BC LL	0.0 PSF	HC-ENG	AK/DLJ
TOT.LD.	37.0 PSF	SEQN-	77484
DUR.FAC.	1.25	FROM	RB
SPACING	24.0"	UREF-	1TCU7879Z01



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

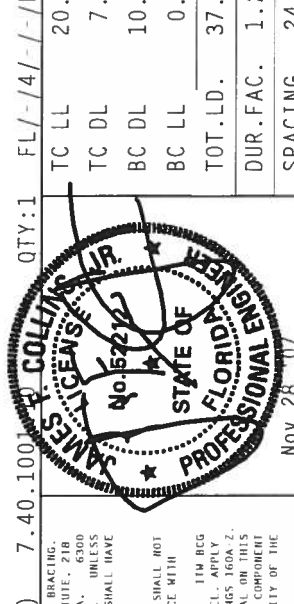
120 mph wind, 20.11 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-4.2 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-) -0.18

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 07-24-2009 BY 60322 UCBAW

7.40.1001 QTY:1 FL/-/4/-/-/

BRACING,
218
6000
UNLESS
SMALL HAVE

STATE OF FLORIDA
PROFESSIONAL ENGINEER



Nov 28 '07 SPACING 24

Top chord 2x6 SP #2
Bot chord 2x6 SP #2
Webs 2x4 SP #2
:Stack Chord SC1 2x6 SP #2::Stack Chord SC2 2x6 SP #2:

Truss spaced at 24.0" OC designed to support 1.4 0 top chord
outlookers. Cladding load shall not exceed 2.00 PSF. Top chord
must not be cut or notched.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load.

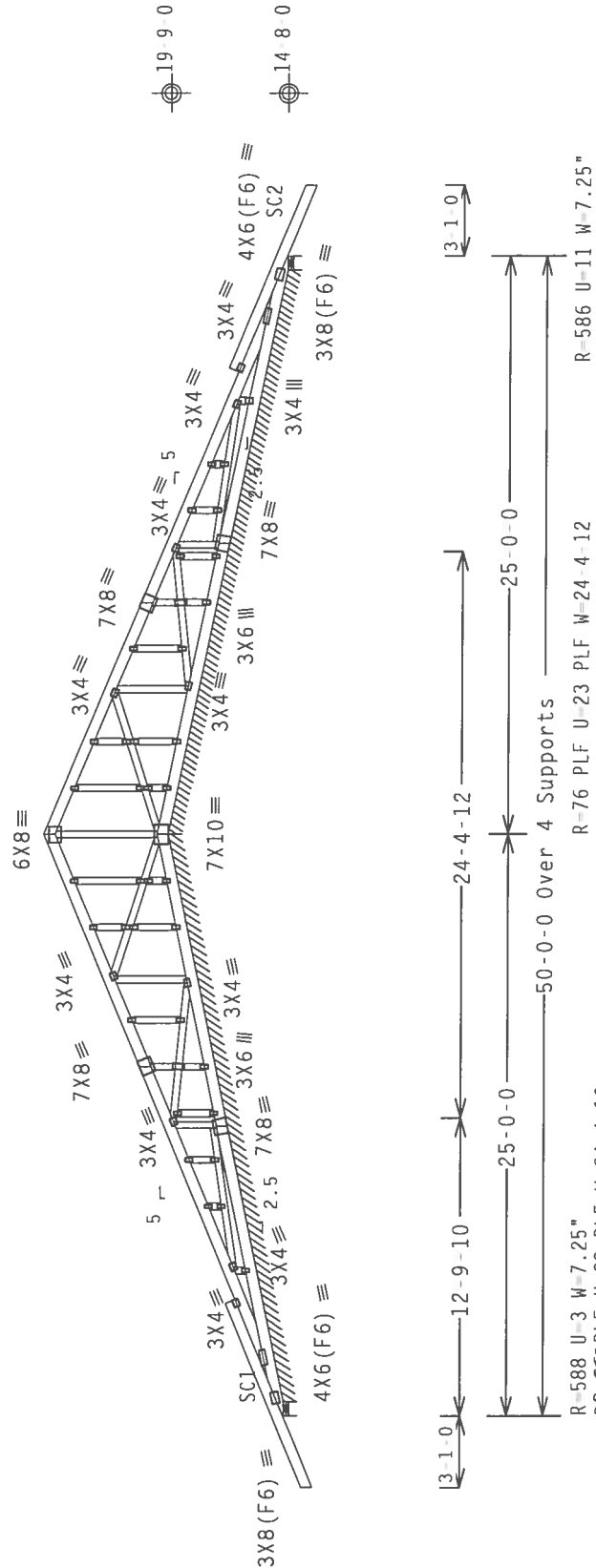
WARNING: Furnish a copy of this DWG to the installation
contractor. Special care must be taken during handling, shipping
and installation of trusses. See "WARNING" note below.

120 mph wind, 20.22 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC
DL=5.0 psf, lw=1.00 GCpi(+/-)=0.18

Wind reactions based on MMFRS pressures.

See DWGS A12030EE0207 & GBLLETIN0207 for more requirements.

Shim all supports to solid bearing.



R=588 U-3 W=7.25"
RR=388 PLF U-23 PLF W=24-4-12

R=76 PLF U-23 PLF W=24-4-12
R=586 U=11 W=7.25"

Note: All Plates Are 2x4 Except As Shown.

Design Crit: FBC2004

PLT TYP. Wave

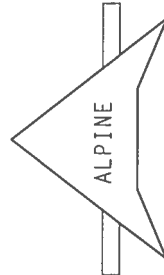
Cq/RT=1.00(1.25)/10(0) 7.40.1001

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

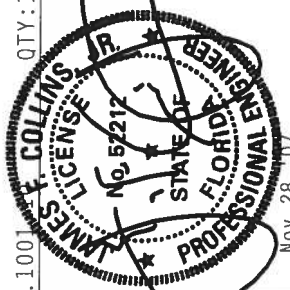
Scale = .125" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BC51 (BUILDING COMPONENTS) SECTION FOR THE FOLLOWING INFORMATION: THE TRUSSES ARE TO BE USED IN CONFORMANCE WITH THE
NORTH LEE STREET SUITE 312, ALEXANDRIA, VA, 22313, AND WICH (WOOD) TRUSS COMPANY, INC., 1000 WICH (WOOD) TRUSS COMPANY, INC.,
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, THE, SHALL NOT
BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH
THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE BCG, THE, SHALL NOT
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI.
CONNECTION PLATES ARE MADE OF 2018/16GA (40/55/5) ASTM A653 GRADE 40/60 (40, 40/55) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.
INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11 2002 SEC.3. A SEAL ON THIS
DRAWING SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT
DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANSI/FP1 1 SEC. 2.



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



TC LL	20.0 PSF	REF	R7879- 6131
TC DL	7.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCUSR7879 07332030
BC LL	0.0 PSF	HC-ENG	AK/DLJ
TOT.LD.	37.0 PSF	SEQN-	77490 REV
DUR.FAC.	1.25	FROM	RB
SPACING	24.0"	JREF-	1TCU7879Z01

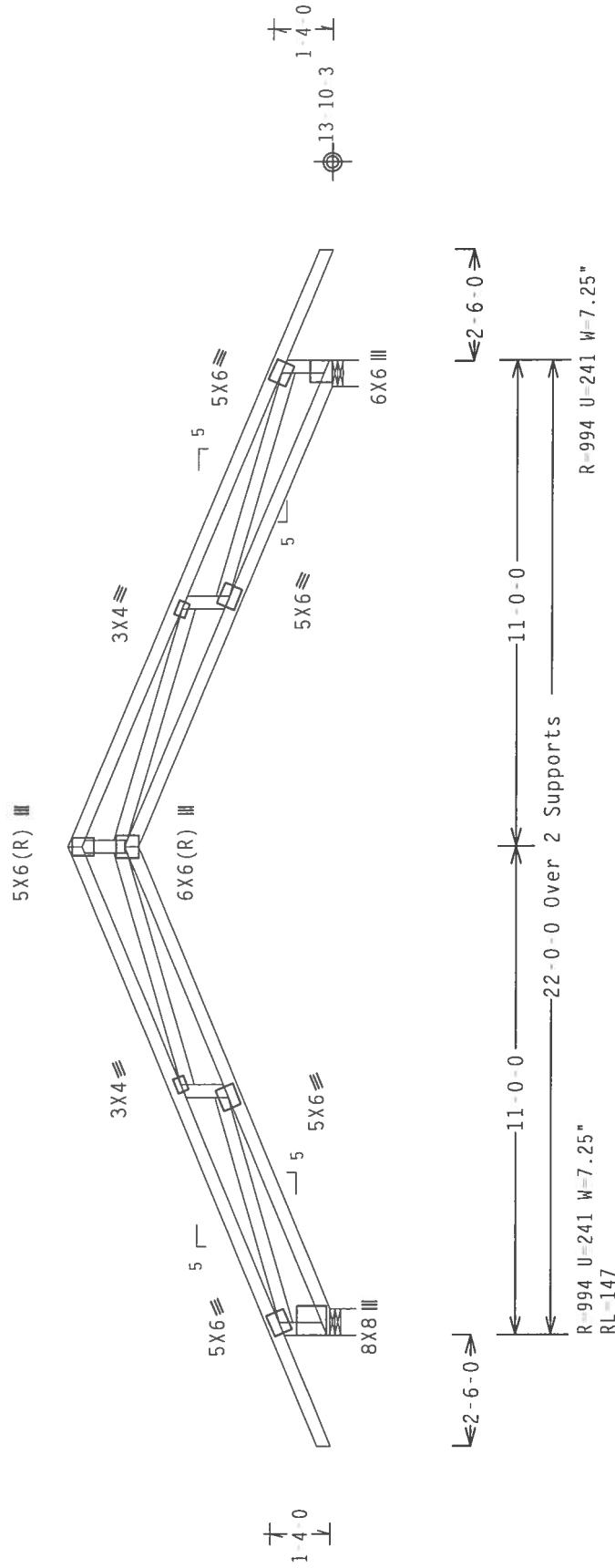
120 mph wind, 16.95 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

Calculated horizontal deflection is 0.30" due to live load and 0.25" due to dead load.

Deflection meets L/360 live and L/240 total load.



PIT TYP: Wave

Design Crit: FBC2004

DC2004
Cq/RT=1 00(1 25) /10(0) 7 40 1001

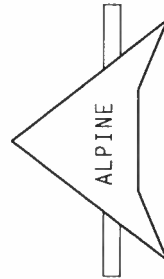
13-111-181-

Scale = 25"/Ft

WARNING RUSSKS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RUSSK'S BUILDING COMPONENT SAFETY INFORMATION, (RUSSK'S PLATE INSTITUTE, 210 SOUTH 3RD STREET, SUITE 200, ALBUQUERQUE, NM 87102) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. LAKE STREET, CHICAGO, IL 60610) FOR MORE INFORMATION. UNLESS OTHERWISE INDICATED FOR CEILING SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOLTS AND CORD SHALL HAVE PROPERLY ATTACHED BRIDGING.

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

DESIGNER'S NOTES:
1. ALL STEEL CONNECTIONS SHALL BE DESIGNED BY ANKSI OR APPROVED DESIGN SPEC. BY ANKSI AND TPI.
2. ALL STEEL PLATES SHALL BE 70/260 GRADE A36 STEEL.
3. ALL STEEL PLATES SHALL BE 1/2" THICK UNLESS OTHERWISE NOTED ON THIS DESIGN.
4. POSITION PER DRAWINGS ABOVE.
5. ONE SEAL ON EACH FACE OF TRUSS AND TWO UNLESS OTHERWISE NOTED ON THIS DESIGN.
6. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A-3 OF IPTI 2002 SEC. 3.
7. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DRAWING SHOWN.
8. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANKS/TPI 3 SEC. 2.



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

TC LL	20.0 PSF	REF R7879- 6132
TC DL	7.0 PSF	DATE 11/28/07
BC DL	10.0 PSF	DRW HCU87879 07332027
BC LL	0.0 PSF	HC - ENG AK /DLJ
TOT.LD.	37.0 PSF	SEQN- 77492
DUR.FAC.	1.25	FROM RB
SPACING	24.0"	JREF- 1TCU7879Z01

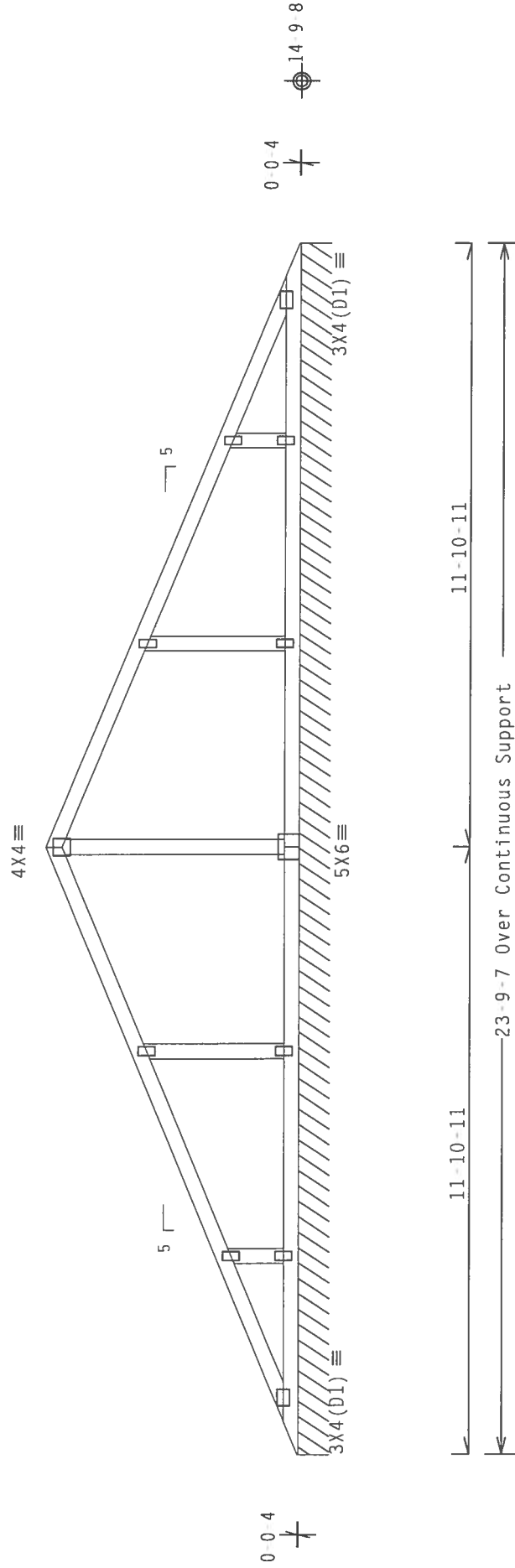
120 mph wind, 17.42 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load.



R=75 PLF U=17 PLF W=23-9-7
RL=4 PLF

Note: All Plates Are 2X4 Except As Shown.

Design Crit: FBC2004

PLT TYP. Wave

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

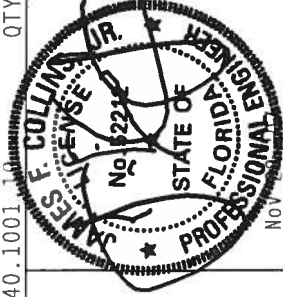
7.40.1001.19

QTY:1 FI/-/4/-/-/R/-/

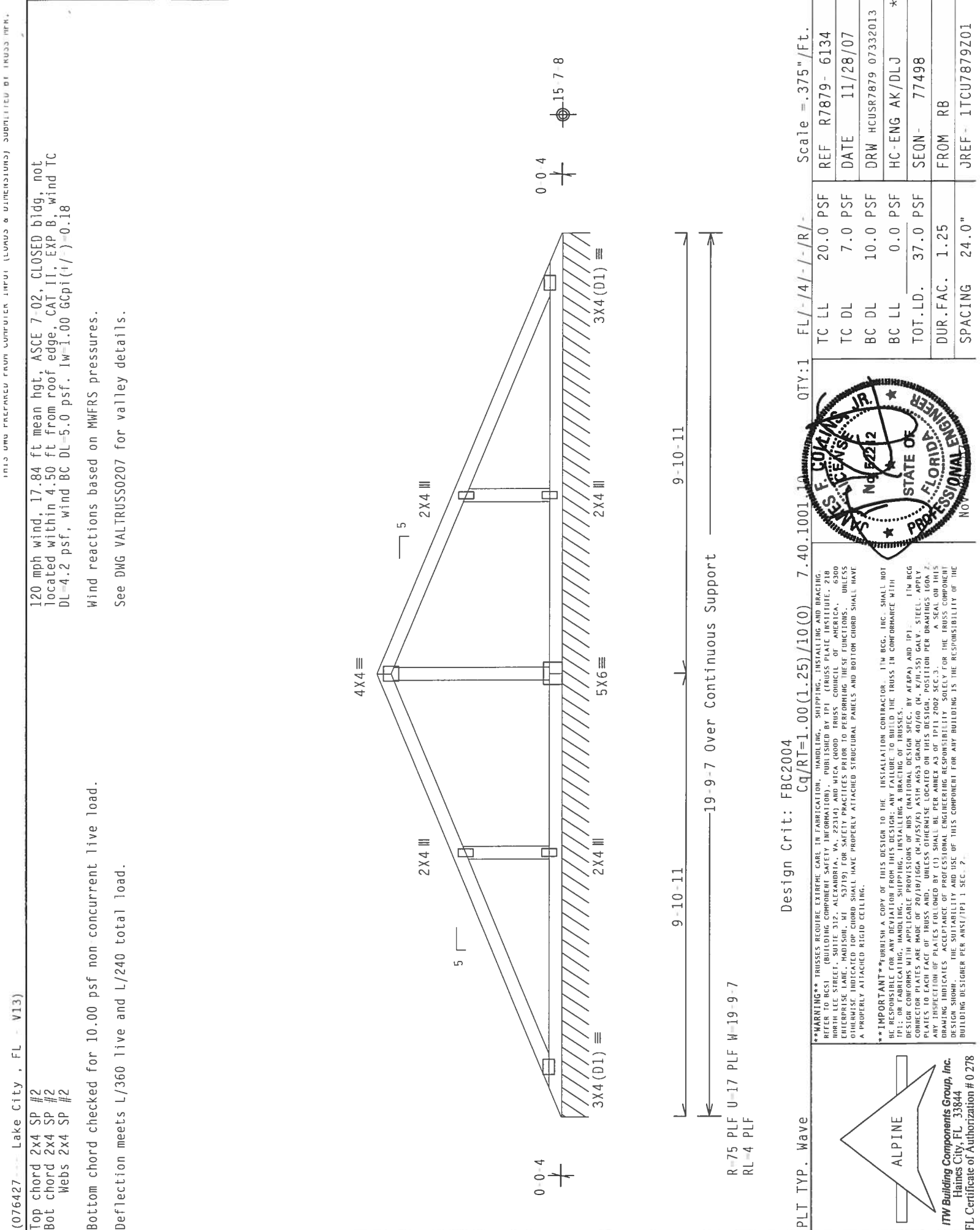
Scale = 3125"/E+

****WARNING**** TRUSSES ROUTE THE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING TO BEST BUILDING COMPONENT SAFETY INFORMATION (COUNCIL PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (WOOD TRUSS COUNCIL OF AMERICA, 63000 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 BEAMING.

****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 SPECIFICATIONS FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THIS NATIONAL DESIGN SPEC. (BY AISC) AND TPI. CONNECTION PLATES ARE MADE OF 201/19IGA (N/A/55X75) ASH 6053 GRADE 40/60 (N/A/55) GALV. STEEL. APPLY 1/4" BCGG TRUSS BRACING TO ALL TRUSSES. UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS TOGA 2. INSPECTION OF TRUSSES FOLLOWED BY SUBMITTAL OF TRUSS CERTIFICATE OF CONFORMANCE TO THE TRUSS COMPANY. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENTS. THE TRUSS COMPANY SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS. THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R7879- 6133
TC DL	7.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCUSR7879 07332012
BC LL	0.0 PSF	HC-ENG	AK/DLJ *
TOT.LD.	37.0 PSF	SEQN-	77495
DUR.FAC.	1.25	FROM	RB
SPACING	24.0"	JREF-	1TCU7879701



(076427) Lake City, FL - V13)

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

120 mph wind, 17.84 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. $1w=1.00 G C p i (1/-) = 0.18$

Wind reactions based on MMFRS pressures.

See DWG VALTRUSS0207 for valley details.

Bottom chord checked for 10.00 psf non concurrent live load.

Deflection meets L/360 live and L/240 total load.

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY INDOSS HERE.

0 0 4

15 7 8

9-10-11

19-9-7 Over Continuous Support

9-10-11

R-75 PLF U-17 PLF W-19-9-7
RL-4 PLF

Design Crit: FBC2004

Cq/RT=1.00(1.25)/10(0) 7.40.1001 10

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

Scale = .375"/Ft.

TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

PLT TYP. Wave

ALPINE

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

FL Certificate of Authorization #0278

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

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PFA) AND IPTI. IPTW REG. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/55/K) ASTM A653 GRADE 40/60 (M, K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBER A3 OF IPTI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/IPTI 1 SEC. 7.

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 62212
JAMES E. COLEMAN, JR.
LICENSE

REF R7879- 6134
DATE 11/28/07
DRW HCUSR7879 07332013
HC-ENG AK/DLJ
SEQN - 77498
FROM RB
JREF - 1TCU7879Z01

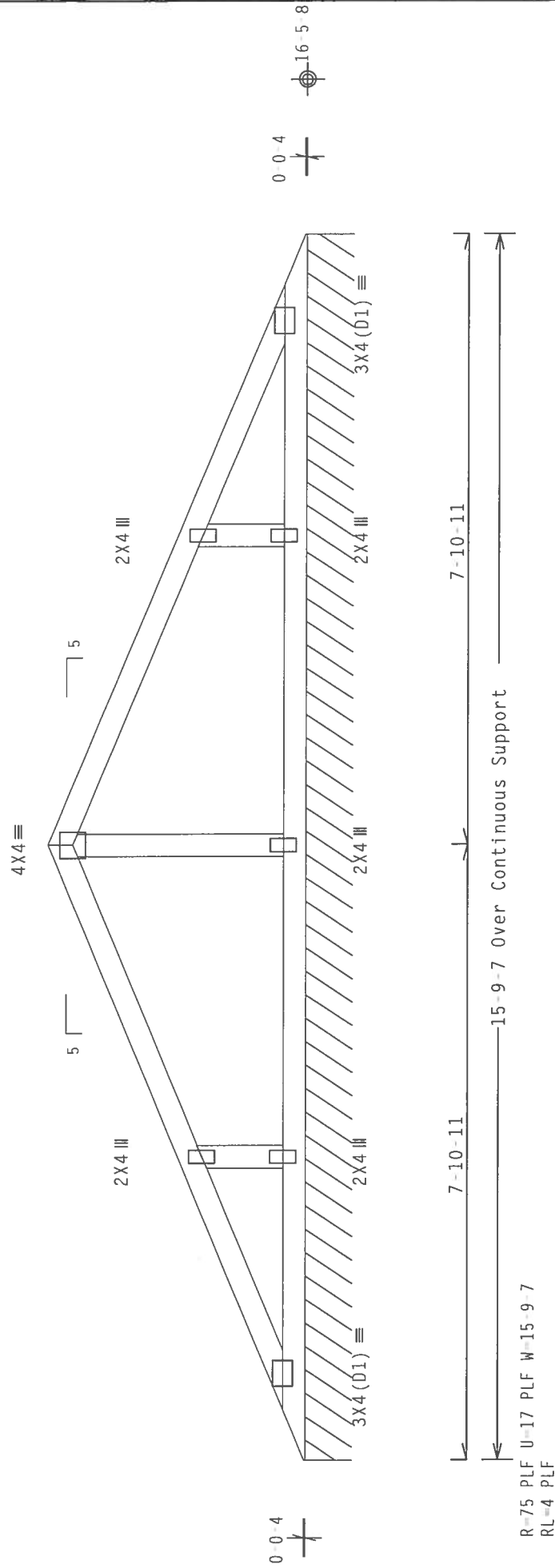
120 mph wind, 18.26 ft mean hgt, ASCE 7 02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf lw 1.00 GCpi(+/-)=0.18

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load.

Wind reactions based on MwFRS pressures.

See DWG VALTRUSS0207 for valley details.

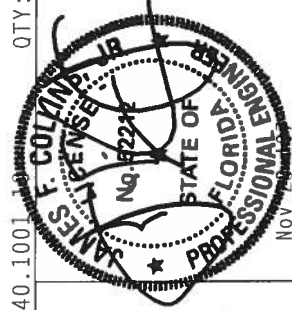


Design Crit: FBC2004

QTY:1 FL/-/4/-/-/R/- Scale = .5"/ft.

****WARNING**** RISKS REQUIRE EXTREME CARE IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING
 REFER TO BCSI (BUILDING COMPLEX) SAFETY INFORMATION. PUBLISHED BY: (UNIVERSITY OF TEXAS AT AUSTIN), 210 W
 ENTERPRISE LANE, SUITE 312, ALEXANDRIA, VA 22314 AND MESA (WOOD TRUSS COUNCIL OF AMERICA), 6300
 NORTH LIFE STREET, SMITH ST, W37191, VA 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.

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

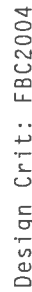
[illegible]

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TC DL	7.0	PSF	DATE	11/28/07	
BC DL	10.0	PSF	DRW	HCUSR7879	07332014
BC LL	0.0	PSF	HC-ENG	AK/DLJ	*
TOT.LD.	37.0	PSF	SEQN-	77500	
DUR.FAC.	1.25		FROM	RB	
SPACING	24.0"		JREF-	1TCU7879Z01	

120 mph wind, 18.67 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 1, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf Iw=1.00 GCpi(+/-)=0.18

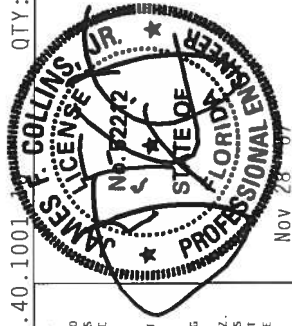
Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.


$$Cq/RT=1.00(1.25)/10(0) \quad 7.40.1001$$

QTY:1 FL/-/4/-/-/R/- Scale = 5" / Ft.

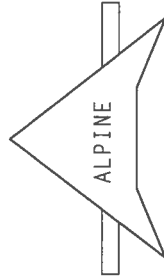
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TC DL	7.0	PSF	DATE	11/28/07	
BC DL	10.0	PSF	DRW	HCUSR7879	07332015
BC LL	0.0	PSF	HC-ENG	AK/DLJ	*
TOT.LD.	37.0	PSF	SEQN-	77502	
DUR.FAC.	1.25		FROM	RB	
SPACING	24.0"		JREF-	1TCU7879Z01	



WARNING BRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. BRUSSES MUST BE PROPERLY SUPPORTED TO PREVENT BUCKLING. BRUSSES PLATE INSTITUTE, 710 NORTH LEE STREET, MADISON, WI 53703. (608) 261-2112. ALUMINUM BRUSSES, CONCRETE BRUSSES, STEEL BRUSSES, ALUMINUM LANE, MODEL 11, 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID GIRDING.

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

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA) AND IPT. 11M BCG TRUSS COMBINED WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA) AND IPT. STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 2902 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS PROJECT. THE SEAL OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX A3 OF TPI 2902 SEC. 2.



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

FL Certificate of Authorization #0 278

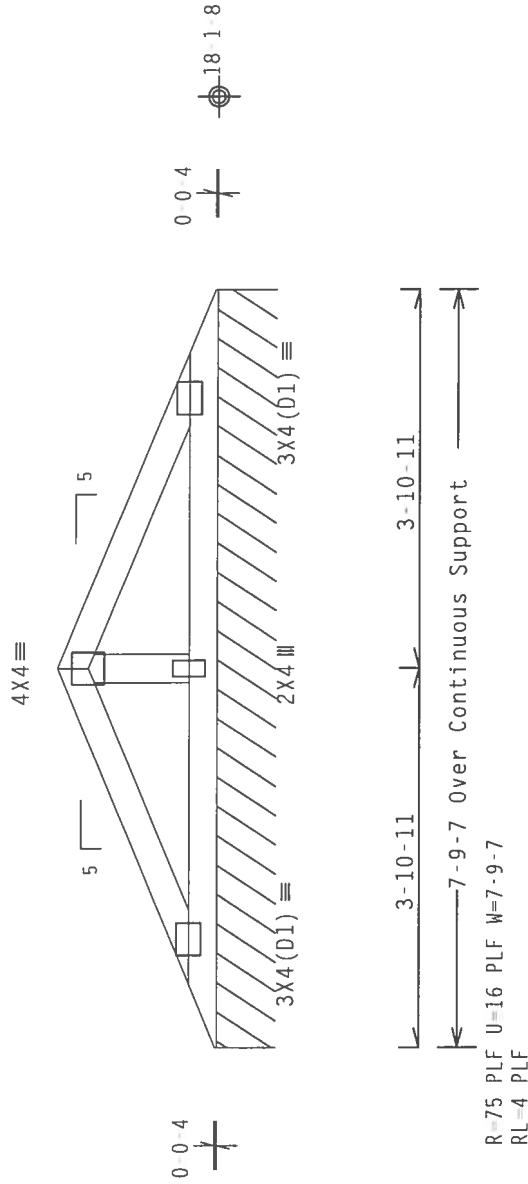
120 mph wind, 19.09 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf $I_w=1.00$ GCpi(z)=0.18

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/360 live and L/240 total load.

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.



PLT TYP. Wave

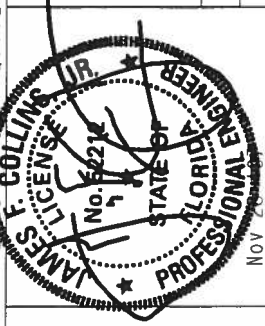
Design Crit: FBC2004

$$C_0/RT = 1.00(1.25)/10(0) \quad 7$$

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

Scale = .5"/Ft.

WARNING—RUSSELS REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, UNLOADING AND BRACING. REFER TO RCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, CRUISING PLATE INSTITUTE, 21 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, AND AISC, WOOD BRUSS, COUNCIL OF AMERICA, 61000 ENTERPRISE LANE, HAWTHORNE, NJ 07095, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BUCKLING.



RFF R7879- 6137

DATE 11/28/07

DATE	11/20/07
DRN	

DRW HCUSR7879 073320

HC-ENG AK/DLJ

SEQN- 77504

FROM RB

JREF- 1TC11787970

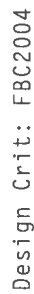
ITW Building Components Group, Inc.
Haines City, FL 33844

FL Certificate of Authorization #0 278

120 mph wind, 19.51 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWG VALTRUSS0207 for valley details.



19. OTY.1 FL/-/4/-/-/R/-

[illegible]

WORTH LEE STREET, SOUTH JAY, ALABAMA, VA. 22134 AND RITA (MOM) TRUSS COMPANY OF AMERICA, ENTERPRISE LAKE, 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 CHLING.

*****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 IPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING, A BRACING OF TRUSSES.**

A PROPERLY ATTACHED RIGID CEILING.

***IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. IIR BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH (P1) OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC., BY AFAPA) AND TPI. 11W BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W, H/55/K) ASTM A653 GRADE 40/60 (W, K/H, 55) GALV. SIFEL. APPLY

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IPT1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING COMPETITIVELY SOLVED. THIS COMPONENT

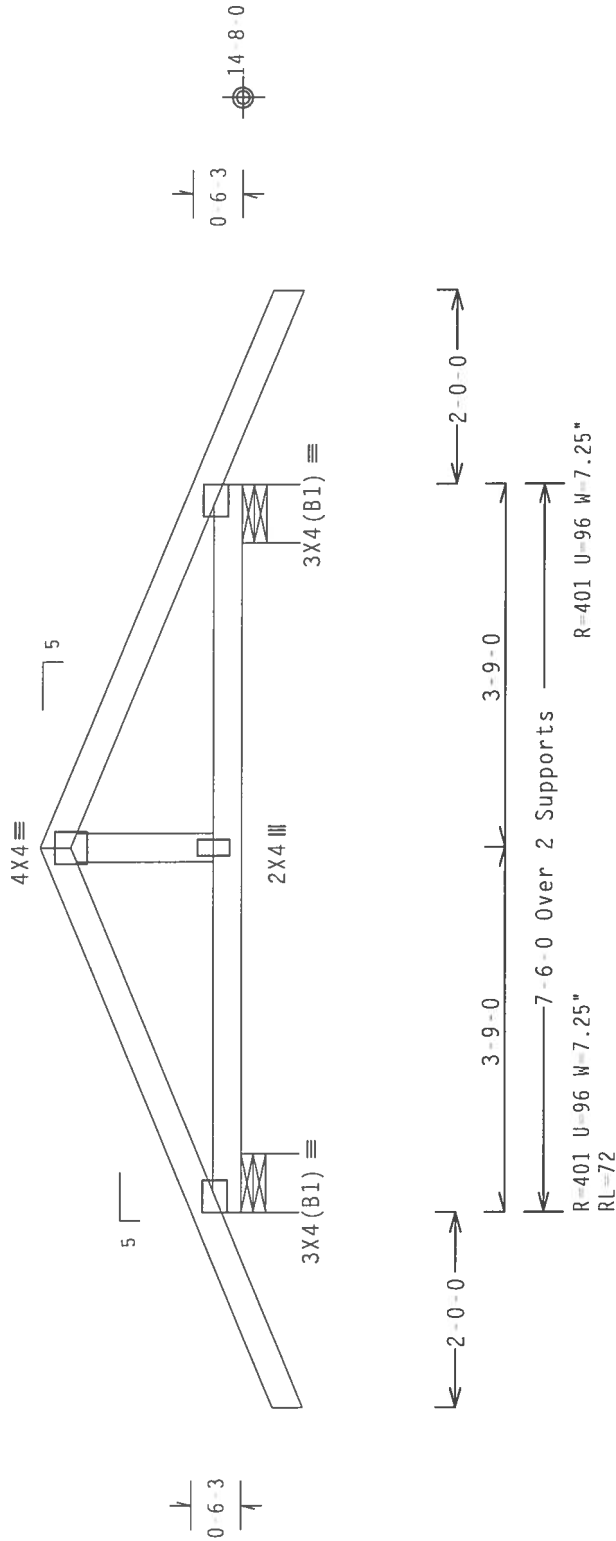
DESIGNING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/UP1 1 SEC. 2.

FL Certificate of Authorization # 0 278

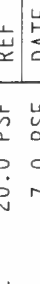
FL Certificate of Authorization # 0 278

120 mph wind, 15.55 ft mean htg, ASCE 7 02, CLOSED bldg, Located anywhere in roof, CAT II, EXP 8, wind TC DL 4.2 psf, wind BC DL 5.0 psf. $I_w=1.00$ GCpi(+/-) 0.18

Wind reactions based on MWFRS pressures.

Design Crit: FBC2004
Ca/RT=1

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.



Alpine

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

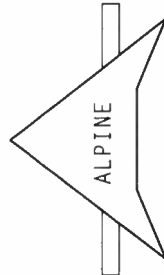
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGN (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY ITW (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (4000 TRUSS, COUNCIL OF AMERICA, 6300 CENTERISLE LANE, HANSDON, MD 20625) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS TO THE FOLLOWING DESIGN SPECIFICATIONS: (BY AISC) AND ITW. ITW BCG CONNECTOR PLATES ARE MADE OF 2017/166 (2017/166) IN THESE (CM, N/A) ONLY. STEEL TRUSS PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN A3 OF ITW 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/ITW 1 SEC. 2.



REF	R7879 -	6139	TC LL	20.0	PSF
DATE	11/28/07		TC DL	7.0	PSF
DRW	HCUSR7879	07332017	BC DL	10.0	PSF
HC-ENG	AK/DLJ	*	BC LL	0.0	PSF
SEQN-	77508		TOT.LD.	37.0	PSF
FROM	RB		DUR.FAC.	1.25	
JREF-	1TCU8789Z01		SPACING	24.0"	



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

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP #2
:Stack Chord SC1 2x4 SP #2::Stack Chord SC2 2x4 SP #2:

Truss spaced at 24.0" OC designed to support 1-4-0 top chord
outlookers. Cladding load shall not exceed 2.00 PSF. Top chord
must not be cut or notched.

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

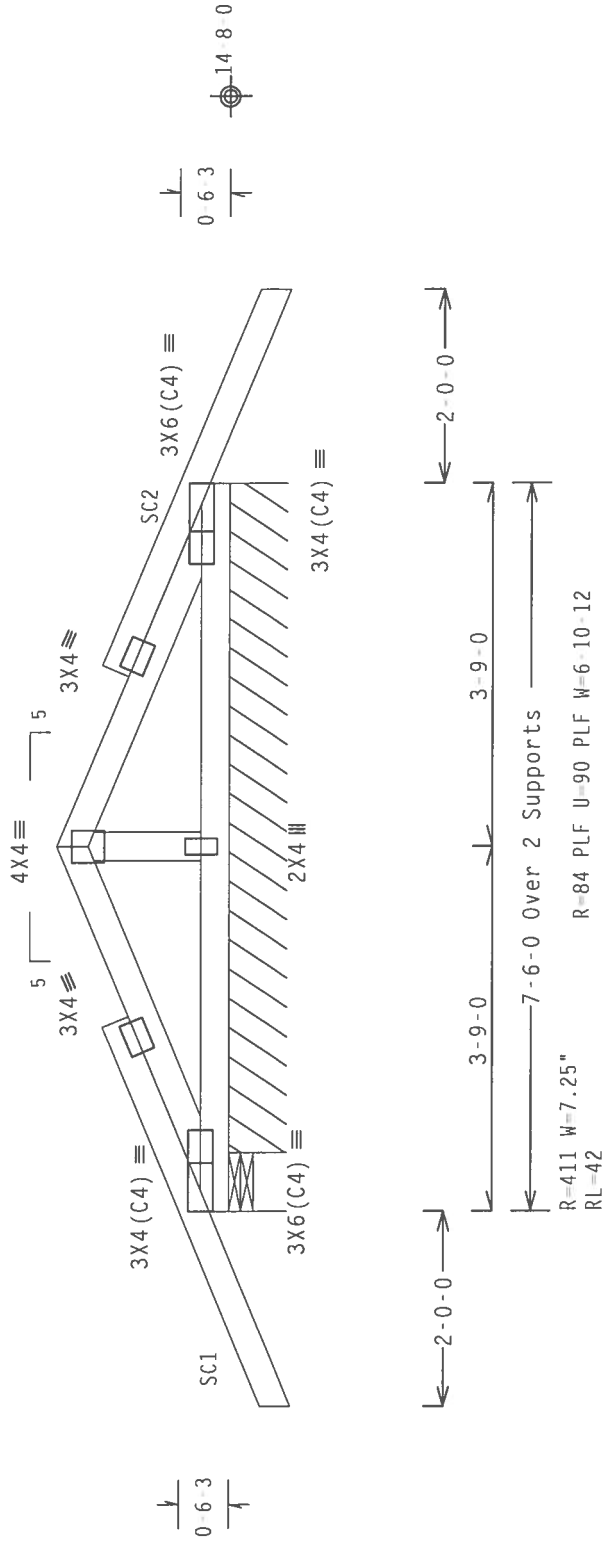
Bottom chord checked for 10.00 psf non concurrent live load.

Deflection meets L/360 live and L/240 total load.

120 mph wind, 15.69 ft mean hgt, ASCE 7 02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL 4.2 psf, wind BC
DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWGS A12030EE0207 & GBLLETIN0207 for more requirements.

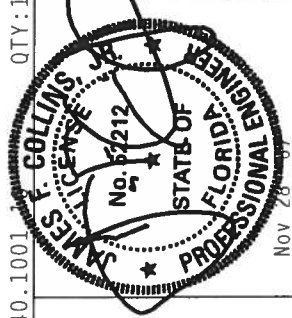


Design Crit: FBC2004

Cq/RT=1.00(1.25)/10(0) 7.40.1001

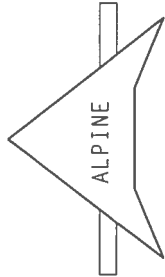
Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R7879- 6140
TC DL	7.0 PSF	DATE	11/28/07
BC DL	10.0 PSF	DRW	HCUSR7879 07332029
BC LL	0.0 PSF	HC-ENG	AK/DLJ
TOT.LD.	37.0 PSF	SEQN-	77510
DUR.FAC.	1.25	FROM	RB
SPACING	24.0"	JREF-	1TCU7879Z01

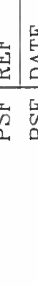


WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, SHIPPING, HANDLING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY IPTI (TRUSS PLATE INSTITUTE, 218 ENTERPRISE LANE, MADISON WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE 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 IPTI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY ACPA) AND IPTI. 1TH REG CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-H/55/K) ASTM A653 GRADE 40/60 (4, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 10GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IPTI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX 1 SEC. 2.



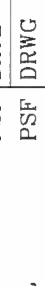
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278



ALPINE
BUILDING COMPONENTS GROUP, INC.
POMPAN0 BEACH, FLORIDA

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

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	HEM-FIR
#1 / #2	#2
STANDARD	STUD
#3	STANDARD

DOUGLAS FIR-LARCH

STUD	STANDARD
#3	STUD
STANDARD	STANDARD

GROUP B:

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

SOUTHERN PINE

#1	#2
----	----

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240

PROVIDE UPLIFT CONNECTIONS FOR 130 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0"

OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

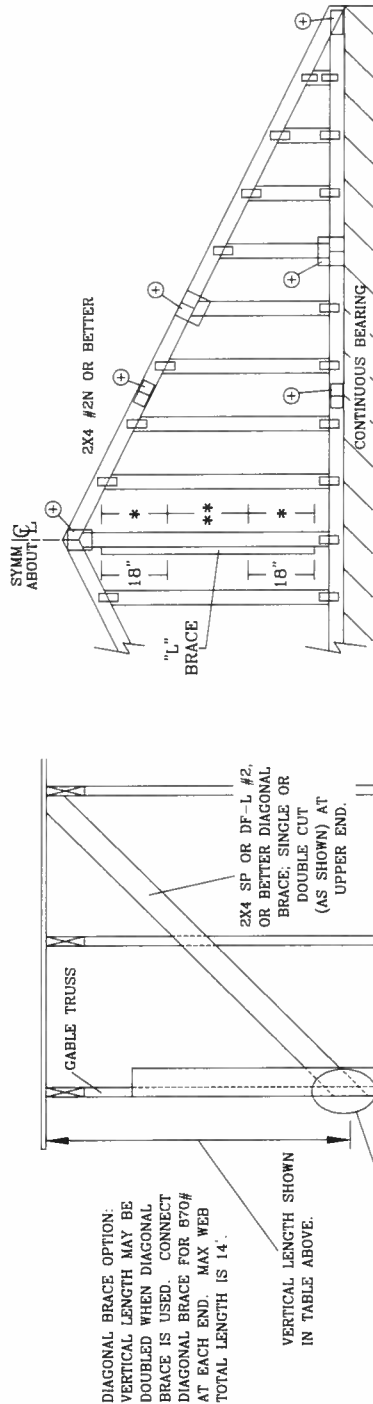
* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C.

** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C.

IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH	NO SPLICE	
LESS THAN 4' 0"	1X4 OR 2X3	
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4	
GREATER THAN 11' 6"	2.5X4	
+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.		

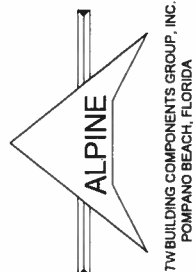


REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

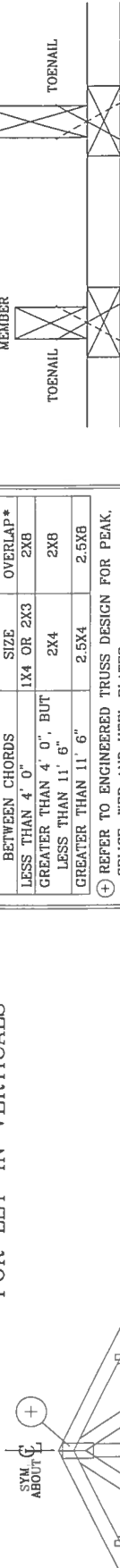
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REF	ASCE7-02-CABI2030
DATE	2/23/07
DRWG	A12030EE0207
-ENG	
MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"



GABLE DETAIL FOR LET-IN VERTICALS



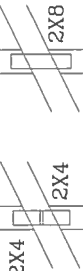
GABLE VERTICAL PLATE SIZES

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

+ REFER TO ENGINEER TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

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

EXAMPLE:



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

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

WEB LENGTH INCREASE W/ "T" BRACE

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

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

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

"T" REINFORCING MEMBER SIZE = 2X4

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

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

MAXIMUM "T" REINFORCED CABLE VERTICAL LENGTH

1.10 x 6' 7" = 7' 3"

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

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

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

GUN DRIVEN NAILS:

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

(4) TOENAILS IN TOP AND BOTTOM CHORD.

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

ASCE 7-93 GABLE DETAIL DRAWINGS

A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207,

A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A09015EC0207,

A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A09030EC0207

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A09015EE0207,

A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A09030EE0207

ASCE 7-05 GABLE DETAIL DRAWINGS

A13015E50207, A12015E50207, A11015E50207, A10015E50207, A09015E50207,

A13030E50207, A12030E50207, A11030E50207, A10030E50207, A09030E50207

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI

WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE

VERTICAL LENGTH.

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ALPINE

ITV BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

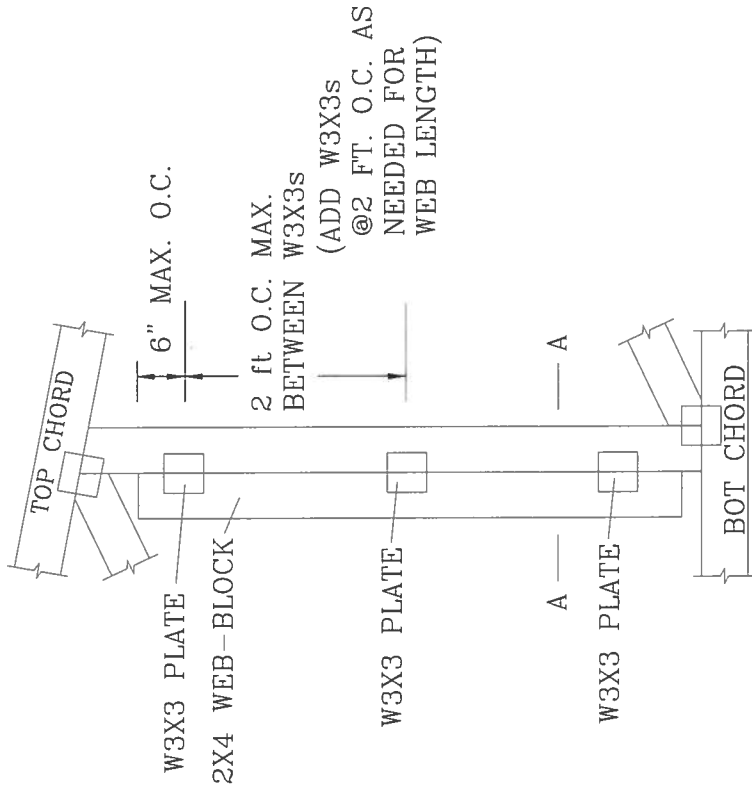
THIS DRAWING REPLACES DRAWINGS GAB98117 876.719 & HC26294035

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

2x4 WEB WITH WEB-BLOCK®

REFER TO ENGINEER'S SEALED TRUSS DESIGN DRAWING FOR LUMBER, PLATES AND OTHER INFORMATION NOT SHOWN BELOW.

PLATES FASTENING WEB-BLOCK TO WEB SHALL BE W3X3 OR LARGER. PLATE POSITIONING TOLERANCES ON WEB-BLOCKS SHALL BE PERMITTED TO BE VARY UP TO 6 INCHES FROM GIVEN POSITIONS, EXCEPT THAT PLATES AT THE END OF THE WEB-BLOCK MUST BE WITHIN 6 INCHES OF THE END OF THE WEB-BLOCK.



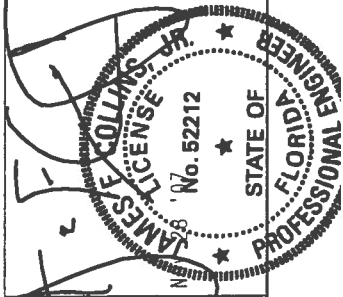


ALPINE BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND ERECTING. CONSULT THE DESIGNER'S TRUSS MANUFACTURING INSTRUCTIONS. THE FOLLOWING RULES ARE TO BE OBSERVED: 1. TRUSSES SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH THE TRUSS MANUFACTURING INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, AND THE TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THE DESIGN. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE TRUSS MANUFACTURING INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, AND THE TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ITV BEG CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/SS/K) ASTM A653 GRADE 40/60 (W/K/H/SS) GALV STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANEX A3 OF TPI 1-2002 SEC 3.1. SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER. THE RESPONSIBILITY FOR THE BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANS/TP1 1 SEC 2.



JAMES E. COLLINS, P.E.
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REF	2x4 Web Block
DATE	2/23/07
DRWG	BRWEBLOK0207
ENG	SSL

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

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

**** ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:**

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

WIND TC DL=5 PSF

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T" -BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.5") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING, EQUALLY SPACED. FOR VERTICAL VALLEY WEBS GREATER THAN 7'9".

MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 120".

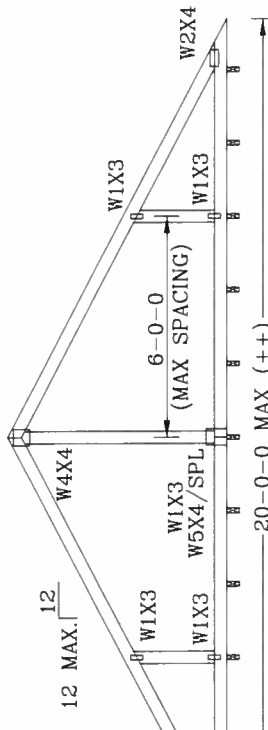
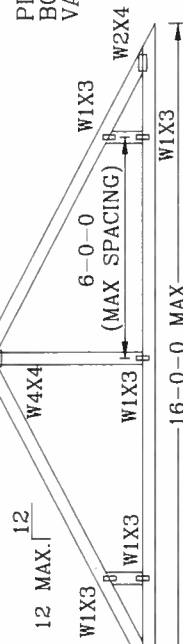
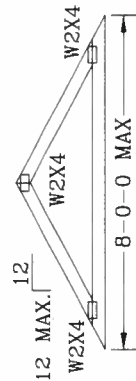
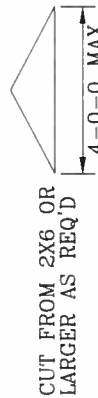
TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY
INSTALLATION

OR
PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN
OR
BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON
ENGINEERS' SEALED DESIGN.

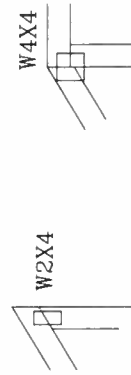
**** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

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

BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.

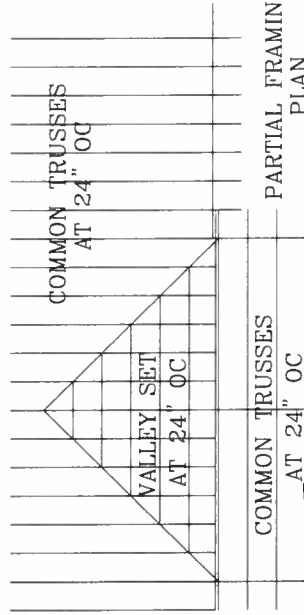


SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.



OPTIONAL STUB
END DETAIL

OPTIONAL HIP
JOINT DETAIL



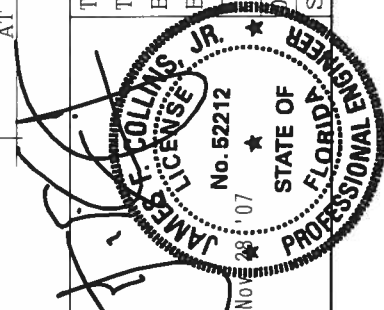
THIS DRAWING REPLACES DRAWING A105

TC LL	30	30	40 PSF	REF	VALLEY DETAIL
TC DL	20	15	7 PSF	DATE	2/23/07
BC DL	10	10	10 PSF	DRWG	VALTRUSS0207
BC LL	0	0	0 PSF	-ENG	MLH/KAR
TOT. LD.	60	55	57 PSF		
OUR.FAC.	1.25/1.33	1.15	1.15		
SPACING	24"				

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING CONSTRUCTION SAFETY INFORMATION, PUBLISHED BY THE CRUSS PLATE AMERICAN MANUFACTURING COMPANY, 6500 ENTERPRISE AVE., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS, AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

[illegible]

TW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA



NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

***THIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.***

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number 33-35-02439-002

26485

1. Description of property: (legal description of the property and street address or 911 address)

SEE ATTACHED LEGAL DESCRIPTIONS

424 SW PINEMOUNT ROAD
Lake City, FL 32024

Inst: 200712027691 Date: 12/17/2007 Time: 2:12 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 2

2. General description of improvement: Build New Church

3. Owner Name & Address Grace Covenant Southern Baptist Church, Inc

Interest in Property Owner

4. Name & Address of Fee Simple Owner (if other than owner): same

5. Contractor Name Garrard Contractors, LLC Phone Number (863) 967-3992

Address 5574 Commercial Blvd, Winter Haven, FL 33880

6. Surety Holders Name na Phone Number _____

Address _____

Amount of Bond _____

7. Lender Name Columbia Bank Phone Number 754-8888

Address 173 NW Hillsboro St., Lake City, FL 32055

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:

Name Rick Carson, RL Carson + Associates Phone Number (863) 206-2215

Address 3391 Cypress Gardens Rd., Winter Haven, FL 33884

9. In addition to himself/herself the owner designates N/A of

_____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee N/A

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording,
(Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

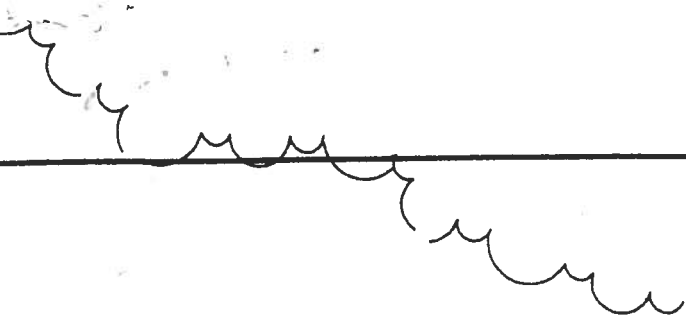
Larry Lane
Signature of Owner

Sworn to (or affirmed) and subscribed before me
this 20th day of October, 2007

NOTARY STAMP



Cynthia Terrio
Cynthia Terrio



892.90'
N 89°57'14" W

NOT A PART

DESCRIPTION:

COMMENCE at the Southeast corner of Section 33, Township 3 South, Range 16 East, Columbia County, Florida and run North 89°36'03" West along the South line of said Section 33 a distance of 84.95 feet to a point on the Westerly Right-of-Way line of Pinemount Road (County Road 252); thence North 07°15'30" East along said Westerly Right-of-Way line of Pinemount Road (County Road 252) a distance of 611.78 feet to the POINT OF BEGINNING; thence North 89°57'14" West a distance of 892.90 feet; thence North 00°02'46" East a distance of 701.77 feet to a point on the North line of the South 1/2 of the Southeast 1/4 of Section 33; thence South 89°38'39" East along said North line of the South 1/2 of the Southeast 1/4 of Section 33 a distance of 996.28 feet to a point on the Westerly Right-of-Way line of Pinemount Road (County Road 252); thence South 11°44'32" West along said Westerly Right-of-Way line of Pinemount Road (County Road 252) a distance of 313.89 feet; thence South 07°27'43" West still along said Westerly Right-of-Way line of Pinemount Road (County Road 252) a distance of 190.13 feet, thence South 73°36'15" West still along said Westerly Right-of-Way line of Pinemount Road (County Road 252) a distance of 158.31 feet; thence South 07°15'30" West still along said Westerly Right-of-Way line of Pinemount Road (County Road 252) a distance of 42.80 feet to the POINT OF BEGINNING. Containing 15.00 acres, more or less.

WAYNE BRAD BAKER, P.E.

26485

3306 Kentshire Dr. Valdosta, GA 31605

Phone: 229-834-4693 Fax: 229-245-0420 Email: bakereng@mchsi.com

R.L. Carson & Associates, Inc.
Attn: Mr. Rick Carson
3391 Cypress Gardens Road
Winter Haven, FL 33884

Re: Structural Observation Report for Grace Covenant Baptist Church, Lake City, FL

Mr. Carson,

A site visit for the purposes of structural observation to see if the structure was built in general conformance with the contract documents was conducted on Feb 05, 2008. All of the structure was in place at this time. The following observations/remedies were made:

1. Trusses could not be properly evaluated until truss shop drawings were submitted to my office for review. Those shop drawings were received by my office and were dated 2/06/08. Upon evaluation of the truss shop drawings it was discovered that the trusses were only designed for a wind importance factor of 1.0 rather than 1.15 as indicated on sheet S1.1X signed and sealed for permit on 10/18/07. I did not approve the shop drawings and further requested that the trusses be checked for a 1.15 Imp factor. The truss shop drawings were resubmitted on 2/14/08 and upon review of the truss shop drawings the trusses had been checked by the truss manufacturer's engineer with the increased importance factor of 1.15 applied. I also requested the contractor to add additional longitudinal 2x4 X-bracing at the bottom chord of the trusses. Thus, upon review of the truss shop drawings and based on the observations made at the site on 2/05/08, the trusses are in general conformance with the contract documents.

2. Additional knee wall bracing was also added at the gable endwall of the sanctuary in order to transfer load from the wall to the roof diaphragm.

3. Other items such as exterior shear walls and wall anchors were in place and properly spaced.

Summary: There are no outstanding structural issues to be resolved in order to be in general conformance with the contract documents. If I can be of any further assistance please do not hesitate to call.

Sincerely,



Wayne Brad Baker, P.E.
Florida P.E. # 58828

3-14-08

CERTIFICATE OF OCCUPANCY

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 33-3S-16-02439-002

Building permit No. 000026485

Use Classification CHURCH BUILDING

Fire: 0.00

Permit Holder GARRARD BUILDING CONTRACTORS

Waste: _____

Owner of Building GRACE COVENANT SOUTHERN CHURCH

Total: 0.00

Location: 424 SW PINEMOUNT RD, LAKE CITY, FL

Date: 04/08/2008

Harry Dickie

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)