DATE 07/2			mbia County Bosted			PERMIT
APPLICANT	BRYAN ZE		t be Frommently Posted	PHONE		000027966
ADDRESS		NW ORANGE S	т	LAKE CITY	752-8653	FL 32055
OWNER		CHRISTINA SHA		PHONE		<u>12</u> <u>32033</u>
ADDRESS		SE WEEKS LAN		LAKE CITY	-	FL 32025
CONTRACTO		N ZECHER		PHONE	752-8653	
LOCATION O	F PROPERTY	7 90E, TF	R SR 100, TR PRICE CREI			
		ON RIC				
TYPE DEVEL	OPMENT	SFD/UTILITY	EST	TIMATED COST OF CO	NSTRUCTION	172350.00
HEATED FLO	OR AREA	2200.00	TOTAL ARE	EA 3447.00	HEIGHT	STORIES 1
FOUNDATION	CONC	WA	ALLS FRAMED R	ROOF PITCH 7/12	FL	OOR SLAB
LAND USE &	ZONING	A-3		MAX	. HEIGHT	21
Minimum Set E	Back Requirm	ents: STREE	ET-FRONT 30.00	REAR	25.00	SIDE 25.00
NO. EX.D.U.	0	FLOOD ZON	Е Х	DEVELOPMENT PERM	MIT NO.	
PARCEL ID	24-4S-17-08	720-202	SUBDIVISION	N DEER HAMMOCK		
LOT 2	BLOCK	PHASE		Λ		01
000001744			CDC054575		-	
Culvert Permit 1		Culvert Waiver	CBC054575 Contractor's License Num	- (1:7/0	<u>/C</u>
CULVERT		19-390	BK	Λ	Applicant/Owner	/Contractor
Driveway Conn		Septic Tank Numb	(A		roved for Issuance	ee New Resident
2 X				App	roved for issuance	New Resident
COMMENTS:	ONE FOOT	ABOVE THE RO	JAD,			
					Check # or C	ash 21758
						asn 21736
		FOR E	BUILDING & ZONIN	G DEPARTMENT	ONLY	
Temporary Pow	er					(footer/Slab)
	-	data/ann bu	Foundation	data/ann bu	_ Monolithic _	## CENTER OF THE
		date/app. by	100000	date/app. by		date/app. by
Under slab roug	h-in plumbin	g	Slab _			date/app. by Nailing
Framing	h-in plumbin	gdate	Slab _	date/app. by		date/app. by
	h-in plumbin	gdate	SlabSlab /app. by Insulation			date/app. by Nailing
Framing	date/app.	gdate	/app. by Insulation date	date/app. by		date/app. by Nailing date/app. by
Framing	date/app.	date.	/app. by Insulation date d floor da	date/app. by e/app. by Eleate/app. by	Sheathing/	date/app. by Nailing date/app. by
Framing	date/app.	by b and below wood	SlabSlabSlabSlabSlabSlab	date/app. by e/app. by Eleate/app. by	Sheathing/	date/app. by Nailing date/app. by date/app. by
Framing	date/app. bing above sla t date	by b and below wood	/app. by Insulation date d floor da	date/app. by e/app. by Eleate/app. by	Sheathing/ ectrical rough-in Pool	date/app. by Nailing date/app. by
Rough-in plumb Heat & Air Duc	date/app. bing above sla t date	by b and below wood app. by	SlabSlabSlab	date/app. by e/app. by Eleate/app. by	Sheathing/	date/app. by Nailing date/app. by date/app. by
Framing Rough-in plumb Heat & Air Duc Permanent power	date/app. date/app. sing above sla t date date/	by by b and below wood a/app. by Utility Pole	SlabSlabSlabSlabSlabSlabSlabSlabSlabSlabSlab	date/app. by e/app. by Eleate/app. by date/app. by	Sheathing/ ectrical rough-in Pool Culvert	date/app. by Nailing
Framing Rough-in plumb Heat & Air Duc Permanent power Pump pole	date/app. bing above sla t date	by by b and below wood a/app. by Utility Pole	Slab	date/app. by e/app. by Electory ate/app. by date/app. by late/app. by	Sheathing/ ectrical rough-in Pool Culvert and plumbing	date/app. by Nailing date/app. by date/app. by date/app. by
Framing Rough-in plumb Heat & Air Duc Permanent power	date/app. date/app. sing above sla t date date/	by by b and below wood a/app. by Utility Pole	SlabSlabSlabSlabSlabSlabSlabSlabSlabSlabSlab	date/app. by e/app. by Electory ate/app. by date/app. by late/app. by	Sheathing/ ectrical rough-in Pool Culvert	date/app. by Nailing
Framing Rough-in plumb Heat & Air Duc Permanent power Pump pole	date/app. date/app. date/app. date/ date/ date/	by b and below wood app. by Utility Pole	Slab	date/app. by Eleate/app. by date/app. by late/app. by late/app. by date/app. by date/app. by date/app. by	Sheathing/ ectrical rough-in Pool Culvert and plumbing	date/app. by Nailing
Rough-in plumb Heat & Air Duc Permanent power Pump pole da Reconnection	date/app. date/app. date/app. date/ date/ date/app. by date/	by by b and below wood e/app. by Utility Pole e/app. by 865.00	SlabSlab	date/app. by Eleate/app. by date/app. by date/app. by late/app. by owns, blocking, electricity date/app. by Eleate/app. by Date/app. by 17.23	Sheathing/ ectrical rough-in Pool Culvert and plumbing Re-roof	date/app. by Nailing
Framing Rough-in plumb Heat & Air Duc Permanent power Pump pole da Reconnection BUILDING PER	date/app. date/app. sing above sla t date/ date/ ate/app. by date/ RMIT FEE \$ 0.00	by by b and below wood c/app. by Utility Pole e/app. by 865.00 ZONIN	SlabSlab	date/app. by Electricity date/app. by date/app. by late/app. by date/app. by date/app. by Electricity date/app. by FIRE FEE \$ 0.00	Sheathing/ ectrical rough-in Pool Culvert and plumbing Re-roof SURCHARGE	date/app. by Nailing

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

Columbia County Building	Permit A	Application
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Columbia County Building Permit Application

<u>TIME LIMITATIONS OF APPLICATION</u>: An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

<u>YOU ARE HEREBY NOTIFIED</u> as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.

Contractor's License Number

Columbia County
Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before maining 14 day of July 20 09.

Personally known or Produced Identification

SEAL:

State of Florida Notary Signature (For the Contractor)

Page 2 of 2 (Both Pages must be submitted together.)

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron croft@columbiacounty@a.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED:

6/8/2009

DATE ISSUED:

6/9/2009

ENHANCED 9-1-1 ADDRESS:

1048

SE

WEEKS

LN

LAKE CITY

FL 32025

PROPERTY APPRAISER PARCEL NUMBER:

24-4S-17-08720-202

Remarks:

LOT 2 DEER HAMMOCK S/D

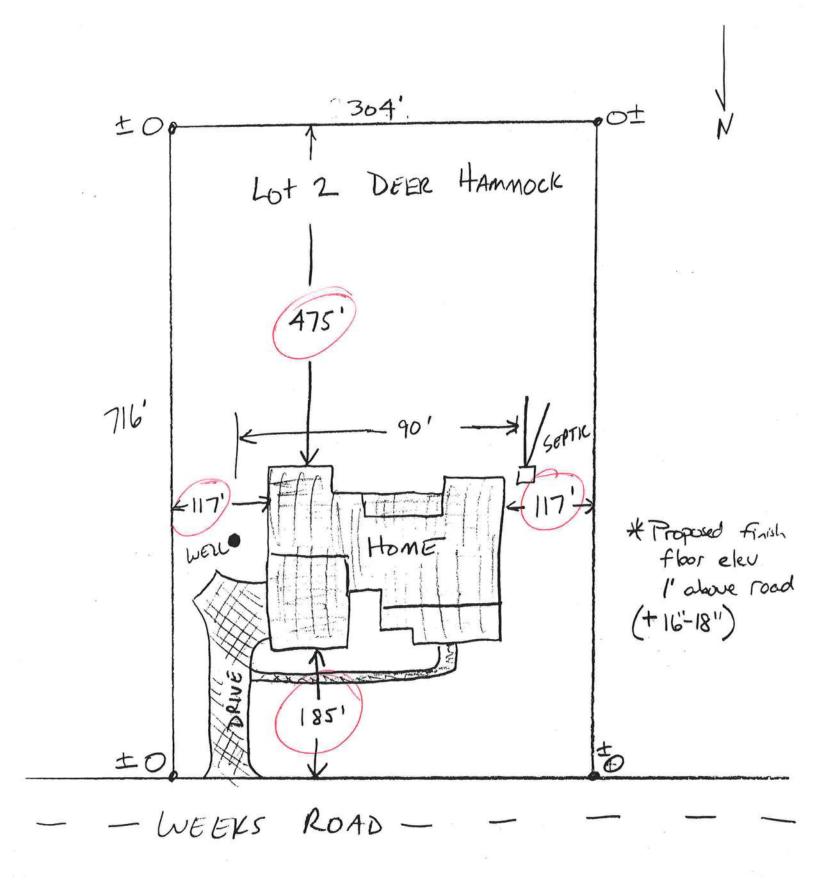
Address Issued By:

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

1455

Larry and Christina Shallar---SITE PLAN



Phone: (386) 752-61 Fax: (386) 752-14

Lynch Well Drilling, Inc.

173 SW Young Place
Lake City, FL 32025
www.lynchwelldrilling.com

January 14, 2008

To Whom It May Concern:

As required by building code regulations for Columbia County in order that a building permit can be issued, the following well information is provided with regard to the Anna T. Lynch well:

Size of Pump Motor:

1.5 Horse Power

Size of Pressure Tank:

4 -Gallon Bladder Tank

Cycle Stop Valve Used:

No

Constant Pressure System:

Yes

Should you require any additional information, please contact us.

Linda newcomb

Sincerely,

Linda Newcomb

Lynch Well Drilling, Inc.

Lynch Well Drilling, Inc.

.v . . W

173 SW Young Place Lake City, Florida 32025 386-752-6677

Enclosed is a picture of your new well. We would like to tell you a little about how your well works. Let me start by saying that your pump is submersible, this means that it is down inside the well. It sits about twenty feet in the water and pumps the water up into your tank.

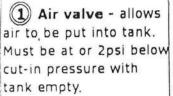
The pump runs on 220 Volts of electricity and takes a double breaker in your electrical box. When you hook up your electricity to your pressure switch, make sure you have 220 Volts; there should be 110 Volts on each line. Then hook up one line to each side of the pressure switch.

The pressure switch is pre-set for either 30-50 or 40-60. This means that when the pressure is down to 30 or 40 pounds the points on the pressure switch will come together and the pump will cut on. It should shut off at about 50 or 60 pounds of pressure. Sometimes bugs like to get in the pressure switch and get between the points – if this happens the pump does not get enough electricity and the pump will not run. So periodically it is good to check your pressure switch for bugs or other obstructions. **DO**NOT spray bug spray on the pressure switch – it is flammable and will burn up the pressure switch. Another good solution is to put a couple of moth balls in the bottom of the pressure switch – this helps to keep bugs out. Make sure that the electricity is **OFF** before you touch the pressure switch.

Your bladder tank has a preset amount of air in it. You should cut your electricity off and drain your tank a couple of times a year and check the air pressure in your tank. You can check it with a tire gauge – the amount of air in your tank should be the same as the cut on pressure of your pressure switch. Ex: If you tank cuts on at 30PSI then you should have 30 lbs of air in your tank when it is empty. If the air in the tank is low – you can add air with a small compressor. It is very important to keep the correct amount of air in your tank – or the bladder will burst in your tank.

When we install your pump we have a small generator that we use to test the pump. We also let the pump run on to the ground to help clear up the water, but you will need to let it pump off until it is completely clear. There is a union between the well and the tank – loosen it up and the well head will separate from the tank. Turn the wellhead away from the tank and turn your power on to the pump. (Make sure the points on the pressure switch are together – or the pump will not come on). Let the water run out on the ground until it is clear. This may take a couple of hours or a couple of days depending on your water quality. It will not damage the pump to run continuously. **DO NOT** try to pump the well off by letting the water run through your hose – this will make the pump cut on and off and lower the life span of your pump considerably. When your water is clear turn the power to your pump off, then turn the wellhead back toward the tank and reconnect the union. Turn your pump back on and let the tank fill up again.

We hope this has helped you to understand your new deep well. If you have any questions, please call us at Lynch Well Drilling, Inc. and we'll be happy to help you.



2 Pressure switch -Sets cut-in and cut-off pressure in tank.

3 Pressure gauge Shows actual pressure
in tank. Small Ya''
or Yz''

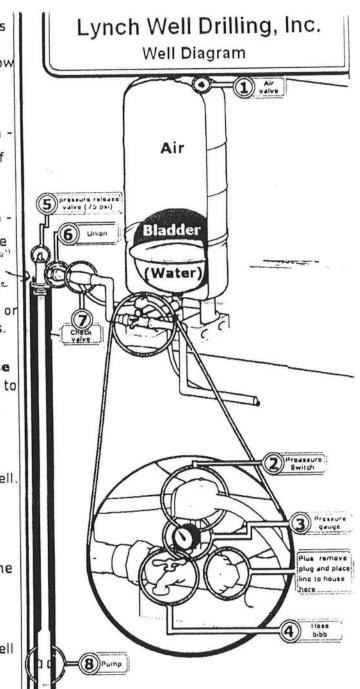
Hose bibb - may be used to drain tank or for watering purposes.

Pressure release valve - Safety device to prevent explosion of tank.

6 Union - Used to separate tank from well.

Check valve - prevents water from running back down the well.

8 Pump- pushes water up from the well to the tank.



Residential System Sizing Calculation

Summary Project Title:

Shallar 1048 SW Weeks Ln. Lake City, FL 32025Project Title: 906251ZecherBryan,ShallarResMANJ

Class 3 Rating Registration No. 0 Climate: North

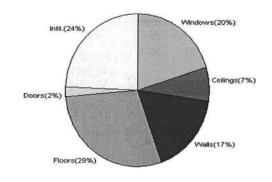
6/30/2009

Location for weather data: Gaine	sville - Def	aults: Latitu	ude(29) Altitude(152 ft.) Temp Range(M)	
Humidity data: Interior RH (50%) Outdoor	wet bulb (7	7F) Humidity difference(54gr.)	•	
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	36873	Btuh	Total cooling load calculation	32889	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	119.3	44000	Sensible (SHR = 0.75)	121.4	33000
Heat Pump + Auxiliary(0.0kW)	119.3	44000	Latent	193.0	11000
			Total (Electric Heat Pump)	133.8	44000

WINTER CALCULATIONS

Winter Heating Load (for 2200 sqft)

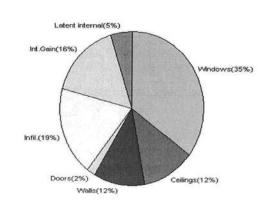
Load component			Load	
Window total	231	sqft	7446	Btuh
Wall total	1932	sqft	6344	Btuh
Door total	60	sqft	777	Btuh
Ceiling total	2292	sqft	2701	Btuh
Floor total	247	sqft	10784	Btuh
Infiltration	218	cfm	8822	Btuh
Duct loss			0	Btuh
Subtotal			36873	Btuh
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			36873	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2200 sqft)

Load component			Load	
Window total	231	sqft	11613	Btuh
Wall total	1932	sqft	3864	Btuh
Door total	60	sqft	588	Btuh
Ceiling total	2292	sqft	3796	Btuh
Floor total			0	Btuh
Infiltration	112	cfm	2088	Btuh
Internal gain			5240	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			27189	Btuh
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			4100	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occup	oants/othe	r)	1600	Btuh
Total latent gain			5700	Btuh
TOTAL HEAT GAIN			32889	Btuh



ACCA.

For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 6/30/09

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Shallar 1048 SW Weeks Ln. Lake City, FL 32025-

Component Loads for Whole House

Project Title: 906251ZecherBryan,ShallarResMANJ

Class 3 Rating Registration No. 0 Climate: North

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

6/30/2009

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

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
2	2, Clear, Metal, 0.87	NE	10.0	32.2	322 Btuh
3	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
4	2, Clear, Metal, 0.87	NE	10.0	32.2	322 Btuh
5	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
6	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
7	2, Clear, Metal, 0.87	NE	15.0	32.2	483 Btuh
8	2, Clear, Metal, 0.87	SE	30.0	32.2	966 Btuh
9	2, Clear, Metal, 0.87	SE	13.3	32.2	428 Btuh
10	2, Clear, Metal, 0.87	SE	30.0	32.2	966 Btuh
11	2, Clear, Metal, 0.87	SE	6.0	32.2	193 Btuh
12	2, Clear, Metal, 0.87	sw	12.0	32.2	386 Btuh
12	Window Total	OW	231(sqft)	0Z.Z	7446 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1646	3.3	5405 Btuh
2	Frame - Wood - Adj(0.09)	13.0	286	3.3	939 Btuh
2	Wall Total	13.0	1932	3.3	6344 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Exterior		10	12.9	130 Btuh
4	Insulated - Exterior		10	12.9	130 Btuh
- T	Door Total		60	12.5	777Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	92	1.2	108 Btuh
2	Vented Attic/D/Shin)	30.0	2200	1.2	2592 Btuh
2	Ceiling Total	30.0	2292	1.2	2701Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	247.0 ft(p)	Andrew State of the Control of the C	10784 Btuh
	Floor Total	O	247.0 H(p)	40.7	10784 Bluh
	1 loor Total		241		10704 Bluit
		2	Zone Envelope S	Subtotal:	28051 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	19800	217.8	8822 Btuh
Ductload	Partially sealed, R6.0, Supp	ly(Attic), Retur	n(Attic)	(DLM of 0.00)	0 Btuh
Zone #1		Sen	sible Zone Sub	ototal	36873 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Shallar 1048 SW Weeks Ln. Lake City, FL 32025Project Title: 906251ZecherBryan,ShallarResMANJ

Class 3 Rating Registration No. 0 Climate: North

6/30/2009

WHOLE HOUSE TOTAL	S	
	Subtotal Sensible Ventilation Sensible Total Btuh Loss	36873 Btuh 0 Btuh 36873 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint) (Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Shallar 1048 SW Weeks Ln. Lake City, FL 32025Project Title: 906251ZecherBryan,ShallarResMANJ

Class 3 Rating Registration No. 0 Climate: North

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

6/30/2009

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
2	2, Clear, Metal, 0.87	NE	10.0	32.2	322 Btuh
3	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
4	2, Clear, Metal, 0.87	NE	10.0	32.2	322 Btuh
5	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
6	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
7	2, Clear, Metal, 0.87	NE	15.0	32.2	483 Btuh
8	2, Clear, Metal, 0.87	SE	30.0	32.2	966 Btuh
9	2, Clear, Metal, 0.87	SE	13.3	32.2	428 Btuh
10	2, Clear, Metal, 0.87	SE	30.0	32.2	966 Btuh
11	2, Clear, Metal, 0.87	SE	6.0	32.2	193 Btuh
12	2, Clear, Metal, 0.87	SW	12.0	32.2	386 Btuh
	Window Total		231(sqft)		7446 Btuh
Walls	Туре	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1646	3.3	5405 Btuh
2	Frame - Wood - Adj(0.09)	13.0	286	3.3	939 Btuh
	Wall Total		1932		6344 Btuh
Doors	Туре		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		10	12.9	130 Btuh
4	Insulated - Exterior		10	12.9	130 Btuh
	Door Total		60		777Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	92	1.2	108 Btuh
2	Vented Attic/D/Shin)	30.0	2200	1.2	2592 Btuh
	Ceiling Total		2292		2701Btuh
Floors	Туре	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	247.0 ft(p)	43.7	10784 Btuh
	Floor Total		247		10784 Btuh
		2	Zone Envelope S	Subtotal:	28051 Btuh
Infiltration	Туре	ACH X	Zone Volume	CFM=	
	Natural	0.66	19800	217.8	8822 Btuh
Ductload	Partially sealed, R6.0, Supp	ly(Attic), Retu	rn(Attic)	(DLM of 0.00)	0 Btuh
Zone #1		Sen	sible Zone Sub	ototal	36873 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Shallar 1048 SW Weeks Ln. Lake City, FL 32025Project Title: 906251ZecherBryan,ShallarResMANJ

Class 3 Rating Registration No. 0 Climate: North

6/30/2009

WHOLE HOUSE TOTALS		
,	Subtotal Sensible Ventilation Sensible Total Btuh Loss	36873 Btuh 0 Btuh 36873 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint) (Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Shallar 1048 SW Weeks Ln. Lake City, FL 32025Project Title: 906251ZecherBryan,ShallarResMANJ

Class 3 Rating Registration No. 0 Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

6/30/2009

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

Component Loads for Whole House

	Type*	Type* Overha			Window Area(sqft)			HTM		Load	
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.33	7ft.	30.0	0.0	30.0	29	60	1801	Btuh
2	2, Clear, 0.87, None,N,N	NE	1.33	8ft.	10.0	0.0	10.0	29	60	600	Btuh
3	2, Clear, 0.87, None,N,N	NW	1.33	7ft.	30.0	0.0	30.0	29	60	1801	Btuh
4	2, Clear, 0.87, None, N, N	NE	99ft.	8ft.	10.0	0.0	10.0	29	60	600	Btuh
5	2, Clear, 0.87, None, N, N	NW	7.33	7ft.	30.0	0.0	30.0	29	60	1801	Btuh
6	2, Clear, 0.87, None, N, N	NW	1.33	7ft.	15.0	0.0	15.0	29	60	901	Btuh
7	2, Clear, 0.87, None,N,N	NE	1.33	7ft.	15.0	0.0	15.0	29	60	901	Btuh
8	2, Clear, 0.87, None,N,N	SE	9ft.	7ft.	30.0	30.0	0.0	29	63	869	Btuh
9	2, Clear, 0.87, None,N,N	SE	9ft.	8ft.	13.3	13.3	0.0	29	63	385	
10	2, Clear, 0.87, None,N,N	SE	6.5ft	7ft.	30.0	30.0	0.0	29	63	869	
11	2, Clear, 0.87, None,N,N	SE	1.33	5ft.	6.0	0.5	5.5	29	63	359	Tarto - Tarto
12	2, Clear, 0.87, None,N,N	SW	1.33	6ft.	12.0	0.7	11.3	29	63		Btuh
	Window Total				231 (11613	Btuh
Walls	Туре		R-Va	alue/U	-Value	Area	(sqft)		HTM	Load	
1	Frame - Wood - Ext			13.0/		164			2.1	3433	Btuh
2	Frame - Wood - Adj			13.0/	0.09	286			1.5		Btuh
	Wall Total		1932 (sqft)				3864	Btuh			
Doors	Туре					Area	(sqft)		HTM	Load	
1	Insulated - Adjacent					20	.0		9.8	196	Btuh
2	Insulated - Exterior					20	.0		9.8	196	Btuh
3	Insulated - Exterior					10	.0		9.8	98	Btuh
4	Insulated - Exterior					10	.0		9.8	98	Btuh
	Door Total					6	0 (sqft)			588	Btuh
Ceilings	Type/Color/Surface		R-Va	lue		Area(sqft)		HTM	Load	
1	Vented Attic/DarkShingle			30.0		92	.0		1.7	152	Btuh
2	Vented Attic/DarkShingle			30.0		220	0.0		1.7	3643	Btuh
	Ceiling Total					229	2 (sqft)			3796	Btuh
Floors	Туре		R-Va	lue		Siz	ze		HTM	Load	200 200 200
1	Slab On Grade			0.0		24	7 (ft(p))		0.0	0	Btuh
	Floor Total			120.00			0 (sqft)				Btuh
							one Enve	elope Su	ibtotal:	19861	Btuh
nfiltration	Туре		Δ	СН		Volume	e(cuft)		CFM=	Load	
	SensibleNatural		1	0.34		198			112.2		Btuh
Internal		(Оссир			Btuh/oc	cupant	A	Appliance	Load	
gain				8		X 23			3400	5240	Btuh
Duct load	Partially sealed, R6.0, S	Supply(A	Attic),	Retur	n(Attic)			DGM	= 0.00	0.0	Btuh
							Sensib	le Zone	Load	27189	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Shallar 1048 SW Weeks Ln. Lake City, FL 32025-

Project Title: 906251ZecherBryan, ShallarResMANJ

Class 3 Rating Registration No. 0 Climate: North

6/30/2009

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	27189	Btuh
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	27189	Btuh
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whole House	Total sensible gain	27189	Btuh
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	4100	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600	Btuh
	Latent other gain	0	Btuh
	Latent total gain	5700	Btuh
	TOTAL GAIN	32889	Btuh

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

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint) (U - Window U-Factor or 'DEF' for default)

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

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

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details Project Title: Class

Shallar 1048 SW Weeks Ln. Lake City, FL 32025-

906251ZecherBryan, ShallarResMANJ

Class 3 Rating Registration No. 0 Climate: North

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

6/30/2009

Component Loads for Zone #1: Main

	Type*		Over	hang	Wine	dow Area	a(sqft)	H	ITM	Load	
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross		Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.33	7ft.	30.0	0.0	30.0	29	60	1801	Btuh
2	2, Clear, 0.87, None, N, N	NE	1.33	8ft.	10.0	0.0	10.0	29	60	600	Btuh
3	2, Clear, 0.87, None,N,N	NW	1.33	7ft.	30.0	0.0	30.0	29	60	1801	Btuh
4	2, Clear, 0.87, None,N,N	NE	99ft.	8ft.	10.0	0.0	10.0	29	60	600	Btuh
5	2, Clear, 0.87, None,N,N	NW	7.33	7ft.	30.0	0.0	30.0	29	60	1801	Btuh
6	2, Clear, 0.87, None, N, N	NW	1.33	7ft.	15.0	0.0	15.0	29	60	901	Btuh
7	2, Clear, 0.87, None,N,N	NE	1.33	7ft.	15.0	0.0	15.0	29	60	901	
8	2, Clear, 0.87, None, N, N	SE	9ft.	7ft.	30.0	30.0	0.0	29	63	869	
9	2, Clear, 0.87, None,N,N	SE	9ft.	8ft.	13.3	13.3	0.0	29	63	385	
10	2, Clear, 0.87, None,N,N	SE	6.5ft	7ft.	30.0	30.0	0.0	29	63	869	
11	2, Clear, 0.87, None,N,N	SE	1.33	5ft.	6.0	0.5	5.5	29	63	359	
12	2, Clear, 0.87, None,N,N	SW	1.33	6ft.	12.0	0.7	11.3	29	63		Btuh
	Window Total				231 (11613	Btuh
Walls	Туре		R-Va		-Value	Area	(sqft)		HTM	Load	
1	Frame - Wood - Ext			13.0/	5.117b F2	164			2.1	3433	
2	Frame - Wood - Adj			13.0/	0.09	286			1.5	100	Btuh
	Wall Total					193	2 (sqft)			3864	Btuh
Doors	Туре					Area	(sqft)		HTM	Load	
1	Insulated - Adjacent					20	.0		9.8	196	Btuh
2	Insulated - Exterior					20	.0		9.8	196	Btuh
3	Insulated - Exterior					10	.0		9.8	98	Btuh
4	Insulated - Exterior					10	.0		9.8	98	Btuh
	Door Total					6	0 (sqft)			588	Btuh
Ceilings	Type/Color/Surface		R-Va	alue		Area(HTM	Load	
1	Vented Attic/DarkShingle			30.0		92	.0		1.7	152	Btuh
2	Vented Attic/DarkShingle			30.0		220	0.0		1.7	3643	300000000000000000000000000000000000000
	Ceiling Total					229	2 (sqft)			3796	
Floors	Туре		R-Va	lue		Siz			HTM	Load	
1	Slab On Grade			0.0		24	7 (ft(p))		0.0	0	Btuh
	Floor Total						0 (sqft)		0.0		Btuh
	7,00, 70,00						0 (0411)			- 0	Dian
						Zo	ne Enve	elope Su	btotal:	19861	Btuh
Infiltration	Туре		Α	СН		Volume			CFM=	Load	
	SensibleNatural			0.34		198			112.2	2088	Btuh
Internal		(Occup			Btuh/oc	cupant	A	ppliance	Load	
gain				8		X 230	+ 0		3400	5240	Btuh
Duct load	Partially sealed, R6.0, S	upply(/	Attic),	Retur	n(Attic)	8		DGM	= 0.00	0.0	Btuh
							Sensib	le Zone	Load	27189	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Shallar 1048 SW Weeks Ln. Lake City, FL 32025Project Title: 906251ZecherBryan,ShallarResMANJ

Class 3 Rating Registration No. 0 Climate: North

6/30/2009

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones Sensible Duct Load	27189	Btuh Btuh
	Total Sensible Zone Loads	27189	
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whole House	Total sensible gain	27189	Btuh
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	4100	Btuh
	Latent ventilation gain	0	Btuh
	Latent duct gain	0	Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600	Btuh
	Latent other gain	0	Btuh
	Latent total gain	5700	Btuh
	TOTAL GAIN	32889	Btuh

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

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

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

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

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

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

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

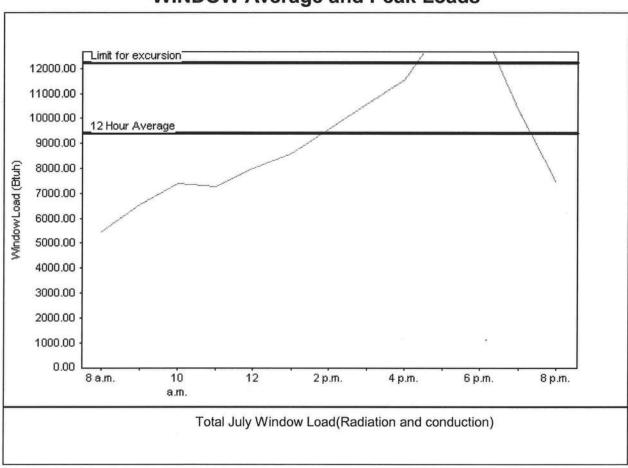
Shallar 1048 SW Weeks Ln. Lake City, FL 32025Project Title: 906251ZecherBryan,ShallarResMANJ

Class 3 Rating Registration No. 0 Climate: North

6/30/2009

Weather data for: Gainesville - Defa	aults		
Summer design temperature	92 F	Average window load for July	9394 Btuh
Summer setpoint	75 F	Peak window load for July	13758 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	12212 Btu
Latitude	29 North	Window excursion (July)	1546 Btuh

WINDOW Average and Peak Loads



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY:
DATE: 6/30/09

ACCA MRNUAL J

EnergyGauge® FLR2PB v4.1



COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST REQUIRMENTS

MINIMUM PLAN REQUIREMENTS FOR THE FLORIDA BUILDING CODE RESIDENTIAL 2007 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind speed map) SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ------ 100 MPH ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ------110 MPH NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

Items to Include-Each Box shall be Circled as Applicable

			Yes	No	N/A
1	Two (2) complete sets of plans containing the	following:			
2		scale, details that are not used shall be marked void			
3	Condition space (Sq. Ft.) 2200	Total (Sq. Ft.) under roof 3183	11111111	11111111	ШШ

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

4	Dimensions of lot or parcel of land		
5	Dimensions of all building set backs		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	/	
-	Provide a full legal description of property.		

Wind-load Engineering Summary, calculations and any details required

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Each C	to Include Box shall incled as olicable	be
8	Plans or specifications must show compliance with FBCR Chapter 3	IIIIII	ШШ	ШШ
		YES	NO	N/A
9	Basic wind speed (3-second gust), miles per hour	1		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	1		
11	Wind importance factor and nature of occupancy	1	-	
12	The applicable internal pressure coefficient, Components and Cladding	~		
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional.	1		

Elevations Drawing including:

14	All side views of the structure	
15	Roof pitch	
16	Overhang dimensions and detail with attic ventilation	
17	Location, size and height above roof of chimneys	
18	Location and size of skylights with Florida Product Approval	V
18	Number of stories	
20A	Building height from the established grade to the roofs highest peak	

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies		
20			
21	Raised floor surfaces located more than 30 inches above the floor or grade		
22	All exterior and interior shear walls indicated		
23	Shear wall opening shown (Windows, Doors and Garage doors)		
24	Emergency escape and rescue opening shown in each bedroom (net clear opening shown)		
25	Safety glazing of glass where needed		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)		
2-	Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FBCR SECTION 311)	NA	
28	Identify accessibility of bathroom (see FBCR SECTION 322)		

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plan (see Florida product approval form)

Items to Include-GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL Each Box shall be Circled as TO THE PARTY OF THE PARTY OF THE Applicable FBCR 403: Foundation Plans YES NO N/A Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. 30 All posts and/or column footing including size and reinforcing 31 Any special support required by soil analysis such as piling. 32 Assumed load-bearing valve of soil 1000 Pound Per Square Foot 33 Location of horizontal and vertical steel, for foundation or walls (include # size and type) FBCR 506: CONCRETE SLAB ON GRADE 34 Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) 35 Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports FBCR 320: PROTECTION AGAINST TERMITES Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. 36 Protection shall be provided by registered termiticides FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls) Show all materials making up walls, wall height, and Block size, mortar type 38 Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect Floor Framing System: First and/or second story Floor truss package shall including layout and details, signed and sealed by Florida Registered 39 Professional Engineer Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, 40 stem walls and or priers 41 Girder type, size and spacing to load bearing walls, stem wall and/or priers 42 Attachment of joist to girder Wind load requirements where applicable Show required under-floor crawl space Show required amount of ventilation opening for under-floor spaces Show required covering of ventilation opening

Show the required access opening to access to under-floor spaces

Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &

48	intermediate of the areas structural panel sheathing		
	Show Draftstopping. Fire caulking and Fire blocking	V	
	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309		
	Provide live and dead load rating of floor framing systems (psf).		

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Each C	to Inclusion Box sha ircled as pplicabl	ll be
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	~		
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	V		
54	Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	/		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	/		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)	/		
57	Indicate where pressure treated wood will be placed			
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	/		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail			

FBCR : ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses		
	Include a layout and truss details, signed and sealed by Florida Professional Engineer	/	
	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters		
	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details		
	Provide dead load rating of trusses		

FBCR 802:Conventional Roof Framing Layout

65	Rafter and ridge beams sizes, span, species and spacing	
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating	
67	Valley framing and support details	
68	Provide dead load rating of rafter system	

FBCR Table 602,3(2) & FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	

FBCR ROOF ASSEMBLIES FRC Chapter 9

cable will be of the overhead or underground type.

71	Include all materials which will make up the roof assembles covering		
72	Submit Florida Product Approval numbers for each component of the roof assembles covering	/	

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter 11 Residential buildings compliance methods. Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Each C	to Include Box shall ircled as opticable	l be
	YES	NO	N/A
Show the insulation R value for the following areas of the structure			
'4 Attic space	~		
5 Exterior wall cavity			
76 Crawl space	NA		
Submit two copies of a Manual J sizing equipment or equivalent computation study			
8 Exhaust fans locations in bathrooms			
9 Show clothes dryer route and total run of exhaust duct			
All fixtures waste water lines shall be shown on the foundation plan Show the location of water heater Private Potable Water			
2 Pump motor horse power .5 hrs	~		
3 Reservoir pressure tank gallon capacity			
4 Rating of cycle stop valve if used			
Clectrical layout shown including		,	
Switches, outlets receptacles, lighting and all required GFCI outlets identified			-
6 Ceiling fans	10		
Smoke detectors & Carbon dioxide detectors Service panel, sub-panel, location(s) and total ampere ratings			
On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance	or		

-		
90	Appliances and HVAC equipment and disconnects	
91	Arc Fault Circuits (AFCI) in bedrooms	

<u>Disclosure Statement for Owner Builders</u> If you as the applicant will be acting as an owner builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

GENERAL REQUIREMENTS:	Items to Include- Each Box shall be
APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Circled as
	Applicable

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		ILS	NO	IN/AL
92	Building Permit Application A current Building Permit Application form is to be completed and submitted for all residential projects	/		
93	Parcel Number The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	/		
94	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058			
95	City of Lake City A permit showing an approved waste water sewer tap	NA		- 1
96	Toilet facilities shall be provided for all construction sites			
97	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.	NIA		
98	Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations	U,		
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established	1		
100				
101	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.	✓		
102	911 Address: If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	/		

N/A

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation of application.

An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application runless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became nu and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date if issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applican will be notified by phone as to the date and time a building permit will b prepared and issued by the Columbia County Building & Zoning Department

PRODUCT APPROVAL SPECIFICATION SHEET

Location:	Project Name:

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
Swinging			
2. Sliding			
3. Sectional		`	
4. Roll up	NA		
5. Automatic	NIA		
6. Other			
B. WINDOWS	1 . ,		
Single hung	Capital/		F2 675 /.
Horizontal Slider	1.		FL 685 1
Casement			72685 1
Double Hung			
5. Fixed	C/		FL 681 1
6. Awning			P2 601 1
7. Pass -through		<u> </u>	
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	Hardy Plans		
2. Soffits	Ashley Ali	·	F2889-R1
3. EIFS	Ashly All	minum	· FL 4968
4. Storefronts			
5. Curtain walls			
6. Wall louver	+=-		
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
AND DESCRIPTION OF THE PARTY OF			
D. ROOFING PRODUCTS	GU / D T		
Asphalt Shingles Undergownerte		inteed	FL 728-RI/FL 250-R
2. Underlayments	Felt		FL 1814
Roofing Fasteners	Nails		ROM 3378
4. Non-structural Metal Rf	-		
5. Built-Up Roofing			
6. Modified Bitumen	_		
7. Single Ply Roofing Sys			
8. Roofing Tiles	_		
Roofing Insulation			
Waterproofing			
Wood shingles /shakes	_		
12. Roofing Slate	_		

aory/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			11
14. Cements-Adhesives – Coatings	_		
15. Roof Tile Adhesive	-		
16. Spray Applied Polyurethane Roof	_		
17. Other			
. SHUTTERS			
1. Accordion	_		
2. Bahama	_	7	
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
. SKYLIGHTS			
1. Skylight			
2. Other	_		
S. STRUCTURAL			
COMPONENTS			
Wood connector/anchor			
2. Truss plates			
Engineered lumber			
Railing			
5. Coolers-freezers			
Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof	OSB -		
11. Wall	056-		
12. Sheds	05/5		
13. Other			
. NEW EXTERIOR			
ENVELOPE PRODUCTS		-	
1.			
2.			
he products listed below dime of inspection of these posite; 1) copy of the production	roducts, the foll ct approval, 2) t	ate product approval at plan revie owing information must be availa he performance characteristics w pplicable manufacturers installat	ble to the inspector on the hich the product was tested
understand these products	may have to be	removed if approval cannot be o	lemonstrated during inspection
ontractor or Contractor's Authorized	l Agent Signature	Print Name	Date
ocation		Permit # (FOR ST	AFF USE ONLY)

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No 2502-0525 (exp. 10/31/2005)

1.

This form is completed by the licensed Pest Control Company

Florida rest control

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for tennites, and that the builder guarantees the treated area against infestation for one

year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential
This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA or VA.
All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.
Section 1: General information (Treating Company information) Company Name: Florida Pest Control & Co.
Company Address: 536 SE Baya Dr City: Lake City State: FI Zip 32025
Company Business License No. 3460 Company Phone No. 386-752-1703
FHA/VA Case No. (if any)
Section 2: Builder Information
Company Name Phone No
Section 3: Property Information Location of Structure (s) Treated (Street Address or Legal Description, City, State and Zip)
Type of Construction (More than one box may be checked) Slab Basement Crawl Other
Approximate Depth of Footing: Outside Inside Type of Fill
Section 4: Treatment Information
Date(s) of Treatment
Brand Name of Product(s) Used Bora-Care
EPA Registration No. 64405-1
Approximate Final Mix Solution % 1.0
Approximate Size of Treatment Area: Sq. ft Linear ft Linear ft. of Masonry Voids
Approximate Total Gallons of Solution Applied
Was treatment completed on exterior? Yes No
Service Agreement Available? Yes No
Note: Some state laws require service agreements to be issued. This form does not preempt state law.
Attachments (List)
Comments
Name of Applicator(s)
Certification No. (if required by State law)
The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.
Authorized Signature Date
Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. 18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729,3802) form HUD NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

This Instrument Prepared By: Abstract & Title Services, Inc. PO Box 7175 Lake City, FL 32055 ATS# 17564

CORPORATE WARRANTY DEED

Corporation to Incividual

THIS WARRANTY DEED made this day of July, 2009, by Roberts Land & Timber Investment Corp., hereinafter called the grantor, to Larry E. Shallar, Jr., and his wife, Christina M. Shallar whose post office address is: 111 SE Lofton Gln, Lake City, FL 32025 hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

WITNESSETH that the Grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the Grantee, all that certain land situate in COLUMBIA County, Florida, viz: Parcel ID# R08720-202

LOT 2, OF DEER HAMMOCK, A SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 8, PAGES 25-26, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2008.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:		
Signed, sealed and delivered in the presence.	0 1	
white toward	Roberts Land & Timber Investm	nent Corp.
WITNESS (2 14 Cam)		Timber
Denix (c. Howard)	BY:	CORPORA
PRINTED NAME	Avery C. Roberts, President	SEAL
Judgrank ~		1993
WITNESS I ICO	dans.	1993
undsaykleyan		TORION S
PRINTED NAME		anu.
		Julian *
STATE OF FLORIDA		
COUNTY OF UNION	J	
The foregoing instrument was acknowledged before	175	Aura C Dahama as
President of Roberts Land & Timber Investment	Com personally known to me or ifr	observanally known
to me, who produced	for identification and	who did not take an
oath.	The months and	John Hot tallo all
Cath.	1 1 2 2 3	6.11
(SEAL)	1 d venue you	ara
DENISE C HOWARD	NOTARY PUBLIC	. 1
IN TOWN IN COMMISSION F DD 642703	1 1.21	14/2011
EXPIRES: March 16, 2011 Bonded Thu Najsay Public Underwitten	My Commission Expires:	ile jour
A) 1/4 W.		

07-21-09:09:48AM;

:386 758-2187

2/ 3

STATE OF FLORIDA DEPARTMENT OF HEALTH APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 09-0314- 心

Notes: 2 of 5A	NES	
Site Plan submitted by: Och	7 7 5	MASTER CONTRACTOR
By Lavis ARIAN	Columbia	B CHD Date 7/26/5

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 1096 (Replaces HRS-H Form 4016 which may be used) (Slock Number: 5744-502-4015-5)

Page 2 of 4

RS

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: 906251ZecherBryan, ShallarRes Builder Name: Bryan Zecher Permit Office: (olumbia Street: 1048 SW Weeks Ln. Lake City , FL , 32025-Permit Number: 27966 City, State, Zip: Owner: Shallar Jurisdiction: 221000 Design Location: FL. Gainesville 1. New construction or existing New (From Plans) 9. Wall Types Insulation Area a. Frame - Wood, Exterior R=13.0 1918.50 ft² 2. Single family or multiple family Single-family b. Frame - Wood, Adjacent R=13.0 306.00 ft² 3. Number of units, if multiple family c. N/A R= ft2 4. Number of Bedrooms 4 d. N/A R= ft2 5. Is this a worst case? Yes 10. Ceiling Types Insulation Area a. Under Attic (Vented) R=30.0 2200.00 ft² 6. Conditioned floor area (ft2) 2200 b. Knee Wall (Vented) R=30.0 92 00 ft2 7. Windows Description Area c. N/A R= ft2 a. U-Factor: Dbl, default 231.33 ft² 11. Ducts SHGC: Clear, default a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 210 ft2 b. U-Factor: N/A ft2 12. Cooling systems SHGC: c U-Factor: N/A ft2 a. Central Unit Cap: 44.0 kBtu/hr SHGC **SEER: 13** d. U-Factor: N/A ft2 13. Heating systems SHGC: a. Electric Heat Pump Cap: 44.0 kBtu/hr N/A e. U-Factor: ft2 HSPF: 7.7

Total As-Built Modified Loads: 38.72
Total Baseline Loads: 46.62

PASS

14. Hot water systems

b. Conservation features

a. Electric

None 15. Credits

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

Code.

DATE:

PREPARED BY: DATE:

SHGC:

a. Slab-On-Grade Edge Insulation

Glass/Floor Area: 0.105

8. Floor Types

b. N/A

c. N/A

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

OWNER/AGENT:

7/14/99

Insulation

R=0.0

R=

R=

Area

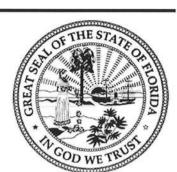
2200.00 ft²

ft2

ft2

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

BUILDING OFFICIAL: DATE:



Cap: 40 gallons

EF: 0.93

None

		*			PRO	JECT							
Title: Building Owner: # of Un Builder Permit Jurisdic Family New/Ex Comme	its: Name: Office: ction: Type: kisting:	FLAsBuilt Shallar 1	ily	Ba Co To Wo Ro Cro	drooms: throoms: anditioned Area: tal Stories: orst Case: state Angle: oss Ventilation: nole House Fan	1 Yes 90 No	9		Adress Lot # SubDivis PlatBool Street: County: City, Sta	sion: k:			ks Ln.
					CLII	MATE							
\checkmark		sign Location		MY Site	IECC Zone	Design 97.5 %	2.5 %		Summer	Heatin Degree I	Days Mo	oisture	Daily Tem Range
_	FL,	, Gainesville	FL_GAIN	ESVILLE_REG		32	92	75	70	1305	.5	51	Medium
					55555	ORS							
V	1	Floor Type	de Edge Insulat	Perim tio 247	200	R-Value 0		Area 2200 ft²			Tile 0.3	Wood 0.2	Carpet 0.5
	***	Slab-Oll-Glac	de Luge Ilisulai	30 247		OOF		2200 11			0.3	0.2	0.5
					,	able	Roof	Solar		Deck			
V	#	Туре	Mat	terials	Area A	rea	Color	Absor.	Tested	Insul.	Pitch		
	1	Hip	Composit	ion shingles	2548 ft² 0	ft²	Dark	0.96	No	0	30.3 de	eg	
					AT	TIC							
\checkmark	#	Туре		Ventilation	Vent F	Ratio (1 in)	Area	RBS	IRCC			
	1	Full attic		Vented		303	22	200 ft²	N	N			
					CEI	LING							
\vee	#	Ceiling Type	е		R-Value		Are	a	Framin	g Frac	Т	russ Ty	ре
	1	Under Attic	75 27		30			2200 ft ²		0.11		Wood	
	2	Knee Wall ((Vented)		30		92 ft ²	2	0.1	1		Wood	
20					WA	LLS	0 "		-		_		
\checkmark	#		Adjacent To	Wall Type			Cavit R-Val	y ue Area	R-V	thing alue	Framing Fraction	,	Solar lbsor.
	1	N	Exterior	Frame - Woo			13	630 ft		0	0.23		0.75
	2	S	Exterior	Frame - Woo			13	414 ft		0	0.23		0.75
	3	Е	Exterior	Frame - Wood			13	484.51		0	0.23		0.75
	4	W	Exterior	Frame - Wood			13	390 ft		0	0.23		0.75
	5	??	Garage	Frame - Wood	d		13	306 ft	2		0.23		0.01

						D	oors						
$\sqrt{}$	#		Ornt	Door Type				Storr	ns	U-	Value	Area	
	1		Е	Insulated				Non	е		0.4	10 ft²	
	2		E	Insulated				Non	е		0.4	10 ft ²	
	3		S	Insulated				Non	е		0.4	20 ft ²	
	4		??	Insulated				Non	е		0.4	20 ft ²	
		Win	dow orier	ntation below is as	entered. Ac		NDOWS on is modi		ate angle	shown in "	Project" section	n above.	
/	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Ove	rhang Separation	Int Shade	Screenin
	1	N	Metal	Double (Clear)	No	0.87	0.66	N	30 ft²		0 ft 18 in	HERS 2006	None
	2	E	Metal	Double (Clear)	No	0.87	0.66	N	10 ft²		0 ft 24 in	HERS 2006	None
	3	N	Metal	Double (Clear)	No	0.87	0.66	N	30 ft²		0 ft 18 in	HERS 2006	None
	4	E	Metal	Double (Clear)	No	0.87	0.66	N	10 ft ²		i 0 ft 24 in	HERS 2006	None
_	5	N	Metal	Double (Clear)	No	0.87	0.66	N	30 ft ²		0 ft 18 in	HERS 2006	None
	6	N	Metal	Double (Clear)	No	0.87	0.66	N	15 ft²		0 ft 18 in	HERS 2006	None
	7	E	Metal	Double (Clear)	No	0.87	0.66	N	15 ft²	0 ft 16 in		HERS 2006	None
	8	s	Metal	Double (Clear)	No	0.87	0.66	N	30 ft²	0 ft 108 in		HERS 2006	None
	9	S	Metal	Double (Clear)	No	0.87	0.66	N		0 ft 108 in		HERS 2006	None
	10	S	Metal	Double (Clear)	No	0.87	0.66	N	30 ft ²	0 ft 78 in		HERS 2006	None
	11	S	Metal	Double (Clear)	No	0.87	0.66	N	6 ft²	0 ft 16 in		HERS 2006	None
_	12	W	Metal	Double (Clear)	No	0.87	0.66	N	12 ft²	0 ft 16 in		HERS 2006	None
					11	NFILTRATI	ON & V	ENTING	3				
/	Metho	od		SLA	CFM 50	ACH 50	ELA	EqLA			Ventilation Exhaust CFM		Fan Watts
_	Defau	ult		0.00036	2077	6.30	114.0	214.5	0	cfm	0 cfm	0	0
						GA	RAGE						
$\sqrt{}$	#		Floor Are	ea Ce	iling Area	Exposed	Wall Peri	meter	Avg. W	all Height	Exposed	Wall Insulation	
_	1		528 ft²		528 ft²		63 ft		9	ft	(invalid)	
No.						COOLIN	G SYS	ГЕМ					
$\overline{}$	#	Syst	em Type		Subtype			Efficiency	(Capacity	Air Flow	SHR	Ductless
_	1	Cent	tral Unit		None		7	SEER: 13	44	kBtu/hr	1320 cfm	0.75	
						HEATIN	G SYST	ЕМ		i i			
/	#	Syst	em Type		Subtype			Efficiency	(Capacity	Ductless		
	1	Elec	tric Heat	Pump	None		,	HSPF: 7.7	1/	kBtu/hr			

	•				HOT W	ATER S	STEM						
\vee	#_	System Type			EF	С	ар	Use	SetPn	ıt	С	onservatior	1
	1	Electric			0.93	40	gal	70 gal	120 de	g		None	
				5	OLAR HO	T WATE	R SYSTI	EM					
\checkmark	FSEC Cert #	Company N	lame		System	Model #	C	ollector Mod		Collect Area		rage lume	FEF
	None	None								ft²			
						DUCTS							
√ #		Supply Location R-Value Area		Return Location Area		Leakage Type		Air Handle	r CF	M 25	Percent Leakage QN		RLI
	1	Attic	6 210 ft ²	Atti	c 50 ft ²	Default	Leakage	Interio	r				
					TEM	PERATU	RES						
Program	nable Ther	mostat: N			Ceiling Fans	s:							
Cooling Heating Venting	[X] Jar [X] Jar [X] Jar	X Feb	[X] Mar [X] Mar [X] Mar	X Apr X Apr X Apr	[X] May [X] May [X] May	X Jun X Jun X Jun	X Jul X Jul X Jul	X Aug X Aug X Aug	XX XX XX	ep ep ep	X Oct X Oct X Oct	[X] Nov X] Nov X] Nov	X Dec X Dec X Dec
Thermosta Schedule	at Schedu Type	e: HERS 20	06 Reference 1		3 4	5	6	ours 7	8	9	10	11	12
Cooling (V	VD)	AM PM	78 78	78 78	78 78 78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
Cooling (WEH)		AM PM	78 78	78 78	78 78 78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
leating (WD)		AM PM	68 68	68 68	68 68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68
Heating (V	VEH)	AM PM	68 68	68 6 68 6	58 68 58 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68

Code Compliance Cheklist

Residential Whole Building Performance Method A - Details

ADDRESS: 1048 SW Weeks Ln.

PERMIT #:

Lake City, FL, 32025-

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	N1106.AB.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	N1106.AB.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS						
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.						
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.						
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.						
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.						
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.						
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.						

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 83

The lower the EnergyPerformance Index, the more efficient the home.

1048 SW Weeks Ln., Lake City, FL, 32025-

1. New construction of	or existing	New (F	From Plans)	9. Wall Types	Insulation	Area
2. Single family or mu	ultiple family	Single-	-family	a. Frame - Wood, Exterior	R=13.0	1918.50 ft ²
3. Number of units, if	multiple family	1		b. Frame - Wood, Adjacentc. N/A	R=13.0 R=	306.00 ft ² ft ²
4. Number of Bedroo	ms	4		d. N/A	R=	ft²
5. Is this a worst case	e?	Yes		10. Ceiling Types	Insulation	Area
6. Conditioned floor a	area (ft²)	2200		a. Under Attic (Vented)b. Knee Wall (Vented)	R=30.0 R=30.0	2200.00 ft ² 92.00 ft ²
7. Windows** a. U-Factor:	Description Dbl, default		Area 231.33 ft²	c. N/A	R=	ft²
SHGC: b. U-Factor:	Clear, default N/A		ft²	a. Sup: Attic Ret: Attic AH: Interio	r Sup. R= 6, 210) ft²
SHGC: c. U-Factor: SHGC:	N/A		ft²	12. Cooling systems a. Central Unit	Cap:	44.0 kBtu/hr SEER: 13
d. U-Factor: SHGC:	N/A		ft²	13. Heating systems a. Electric Heat Pump	Can	44.0 kBtu/hr
e. U-Factor: SHGC:	N/A		ft²		очр.	HSPF: 7.7
Floor Types a. Slab-On-Grade B	Edge Insulation	Insulation R=0.0	Area 2200.00 ft²	14. Hot water systems a. Electric	Сар	40 gallons EF: 0.93
b. N/A c. N/A		R= R=	ft² ft²	 b. Conservation features None 		Li . 0.93
				15. Credits		None

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

Builder Signature:

Address of New Home:

Date:

City/FL Zip:

LC 1732025

*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at (321) 638-1492 or see the Energy Gauge web site at energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the Department of Community Affairs at (850) 487-1824.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

Columbia County Building Department Culvert Permit

Culvert Permit No. 000001744

DATE 07/24/20	009 PARCEL ID # 24-4S-17	Z-08720-202	
APPLICANT BI	RYAN ZECHER	PHONE 752	-8653
ADDRESS 465	NW ORANGE ST	LAKE CITY	FL 32055
OWNER LARR	Y & CHRISTINA SHALLAR	PHONE	
ADDRESS 1048	SE WEEKS LANE	LAKE CITY	FL 32025
CONTRACTOR	BRYAN ZECHER	PHONE 752	-8653
LOCATION OF P	ROPERTY 90E, TR SR 100, TR PRICE CREEK F	RD, TL WEEKS LANE,	1/2 MILE
ON RIGHT			
SUBDIVISION/LO	OT/BLOCK/PHASE/UNIT DEER HAMMOCK		2
SIGNATURE			
I	NSTALLATION REQUIREMENTS		
X C	culvert size will be 18 inches in diameter with a	total lenght of 32 fee	et, leaving 24 feet of
	riving surface. Both ends will be mitered 4 foot nick reinforced concrete slab.	with a 4 : 1 slope ar	id poured with a 4 inch
11	NSTALLATION NOTE: Turnouts will be require	ed as follows:	- J
	a) a majority of the current and existing drivewb) the driveway to be served will be paved or form	ormed with concrete	1.
	Turnouts shall be concrete or paved a minim concrete or paved driveway, whichever is great the concrete or paved driveway.	eater. The width sha	
	current and existing paved or concreted turn	outs.	
	Culvert installation shall conform to the approv	ed site plan standard	ds.
D	Department of Transportation Permit installation	n approved standard	is.
	Other		
-			
-			

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21 Lake City, FL 32055

Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00



۲.

.Alba "Jul. 24. 2009 B: 35AM Syc. MAbstract & little and For Fage 1014 NO. 03//

> This Instrument Prepared By: Abstract & Title Services, Inc. PO Box 7174

Lake City, FL 32055

ATS# 17564

CORPORATE WARRANTY DEED

Corporation to Individual

THIS WARRANTY DEED made this day of July, 2009, by Roberts Land & Timber investment Corp., hereinafter called the grantor, to Larry E. Shallar, Jr., and his wife, Christina M. Shallar whose post office address is: 111 SB Lofton Gin, Lake City, FL 32025 hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the puries to this instrument and the heirs, legal representatives and ussigns of individuals, and the successors and assigns of corporation)

WITNESSETH that the Grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, selfs, aliens, remises, releases, conveys, and confirms unto the Grantes, all that certain land situate in COLUMBIA County, Florida, viz. Parcel ID# R08720-202

LOT 2, OF DEER HAMMOCK. A SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 8, PAGES 25-26, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the Grantor hereby covenants with said Grantes that the Grantor is lawfully seized of said land in fee simple; that the Grantur has good right and lawful authority to sall and convey said land; that the Grantur hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoover; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2008.

IN WITNESS WHEREOF, the said granior has signed and essied these presents the day and year first

pur presence: ober Investment Corp. imber STATE OF FLORIDA

The foregoing instrument was acknowledged before me this The day of July, 2009 by Avery C. Roberts as President of Roberts Land & Timber Investment Corp. personally maken to me or, if norger consily known for Identification and who did not take an to me, who produced ____

NO DO 141105

My Commission

Jul. 24. 2009 8:35AM

Abstract & litle

No. 0311 7. 2

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true gody of the critical filed in this office.
P. DeWIJAT CASON, CLERK OF COUNTS

0



2008/2012068 Dete:7/21/2009 T/me/2:11 PM DC.P.DeWitt Coson,Columbia County Page 1 of 1 8:1177 P:1248

This Instrument Prepared By: Michael H. Horrell Abstract & Title Services, Inc. 283 NW Cole Terroce Lake City, Florida 32055

NOTICE OF COMMENCEMENT

TO WHOM IT MAY CONCERN:

The undersigned hereby give notice that improvements will be made to certain real property and in accordance with Chapter 713, Florida Statues, the following is provided in this Natice of Commencement:

- <u>Cascilation of Property:</u> Lot 2, of Deer Hommock, a subdivision according to the plut thereof as recorded in Plat Book 6, Pages 25-26, of the Public Records of Columbia County, Florida.
- General Description of Improvement: Construction of Dwelling
- Owner information:
 - a. Name and Address: Larry E. Shallar, Jr. and his wife. Christina M. Shallar, 111 SE Latton Glen, Lake City. FL 32025
 - b. Interest in property: Fee Simple
 - c. Name and address of fee simple lifle holder (If other than Owner): NONE
- Contractor Iname and address: Bryan Techer Construction, Inc., PO Box 815, Lake City, FL 32056
- SUIDTY:
 - a. Name and Address: N/A
 - b. Amount of Bond: N/A
- . 6. LENDER: First Federal Savings Bank of Florida 4705 West US Highway 90 PO Box 2029 Lake City, FL 32056
- Persons within the State of Florida designated by Owner upon whom notices of other documents may be served as provided in Section 713.13[1][0]7., Florida Statutes: NONE
- in addition to himselt, Owner designates PAULA HACKER, of first FEDERAL SAVINGS BANK OF FLORIDA at 4705 WEST. US HIGHWAY 90 / PO 80X 2029, LAKE CITY, PL 32056, to receive a copy of the Lienor's Notice as provided in Section 773,13(1)(b) Florida Statutes.
- Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording

Unless a different date is specified.

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 7/3, PART 1 SECTION 7/3, 13, FLORIDA STATUTES AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE SEFFORE THE FIRST INSPECTION. IF YOU NEED TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner is used for singular or plural as context requires.

Signed, sepled and delivered in the presence;

Tragi Land WITNESS DOMNA COX

STATE OF FLORIDA COUNTY OF COLUMBIA

Sefore me, personally appeared Long E. Shallar, Jr., and his wife, Christina M. Shallar, to me known to be the person(s) described in and who executed the foregoing instrument, and they acknowledged to and before me that they executed said instrument for the purpose therein expressed.

Witness my hand and official seal this 17th day of July, 2009.

[SEAL]



DONNA COX Notary Public. State of Florida My Comm. Expiras Jan. 16. 2010 Commission No. DD 507081

My Commission Expires:

Vadi cation Pursuant to Section 92.525, Florida Statutes

Under Penalties of perjuly, I declare that I have read the foregoing and that the facts stated in it are true to

the best of my knowledge and belief.



OCCUPANCY

COLUMBIA COUNTY, FLORIDA

partment of Building and Zoning nspection

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

Parcel Number 24-4S-17-08720-202

Fire: 70.62

Building permit No. 000027966

Use Classification SFD/UTILITY

Permit Holder BRYAN ZECHER

Waste: 184.25

Total: 254.8

Owner of Building LARRY & CHRISTINA SHALLAR

1048 SE WEEKS LANE, LAKE CITY, FL

Location:

Date: 11/24/2009

254.87

poe N. Russ

Building Inspector

POST IN A CONSPICUOUS PLACE (Business Places Only)

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:1TSR8228Z0423144138

Truss Fabricator: Anderson Truss Company

Job Identification: 9-131--BRYAN ZECHER Shallar -- , **

Truss Count: 41

Model Code: Florida Building Code 2007 and 2009 Supplement

Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 8.07.

Structural Engineer of Record: The identity of the structural EOR did not exist as of

Address: the seal date per section 61G15-31.003(5a) of the FAC

Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE 7-05 -Closed

Notes:

 Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1

2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.

3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

Details: BRCLBSUB-A1101505-GBLLETIN-CNNAILSP-

Ref Description Drawing# Date

#	Ret Description	Urawing#	Date
1	66816A	09174095	06/23/09
2	66817 A1	09174096	06/23/09
3	66818A2	09174097	06/23/09
4	66819 A3	09174098	06/23/09
5	66820 A4T	09174099	06/23/09
6	66821 A5	09174100	06/23/09
7	66822 AGE	09174101	06/23/09
8	66823AGE2	09174102	06/23/09
9	66824BA	09174103	06/23/09
10	66825 BA1	09174104	06/23/09
11	66826BA3	09174105	06/23/09
12	66827 BA - GE	09174106	06/23/09
13	66828H7B	09174117	06/23/09
14	66829 H9B	09174086	06/23/09
15	66830H11B	09174107	06/23/09
16	66831 B	09174108	06/23/09
17	66832BM3	09174109	06/23/09
18	66833C-G	09174126	06/23/09
19	66834C	09174087	06/23/09
20	66835 DGE	09174110	06/23/09
21	66836D	09174088	06/23/09
22	66837 EGE	09174111	06/23/09
23	66838E	09174089	06/23/09
24	66839F-G	09174119	06/23/09
25	66840 H5F	09174120	06/23/09
26	66841J19	09174112	06/23/09
27	66842 HJ79	09174121	06/23/09
28	66843 J39T	09174090	06/23/09
29	66844J59T	09174091	06/23/09
30	66845 EJ79T	09174092	06/23/09
31	66846 EJ79	09174113	06/23/09
32	66847 J59	09174114	06/23/09
33	66848J39	09174093	06/23/09
34	66849 HJ79T	09174122	06/23/09
35	66850 CJ1	09174115	06/23/09
36	66851HJ5	09174123	06/23/09

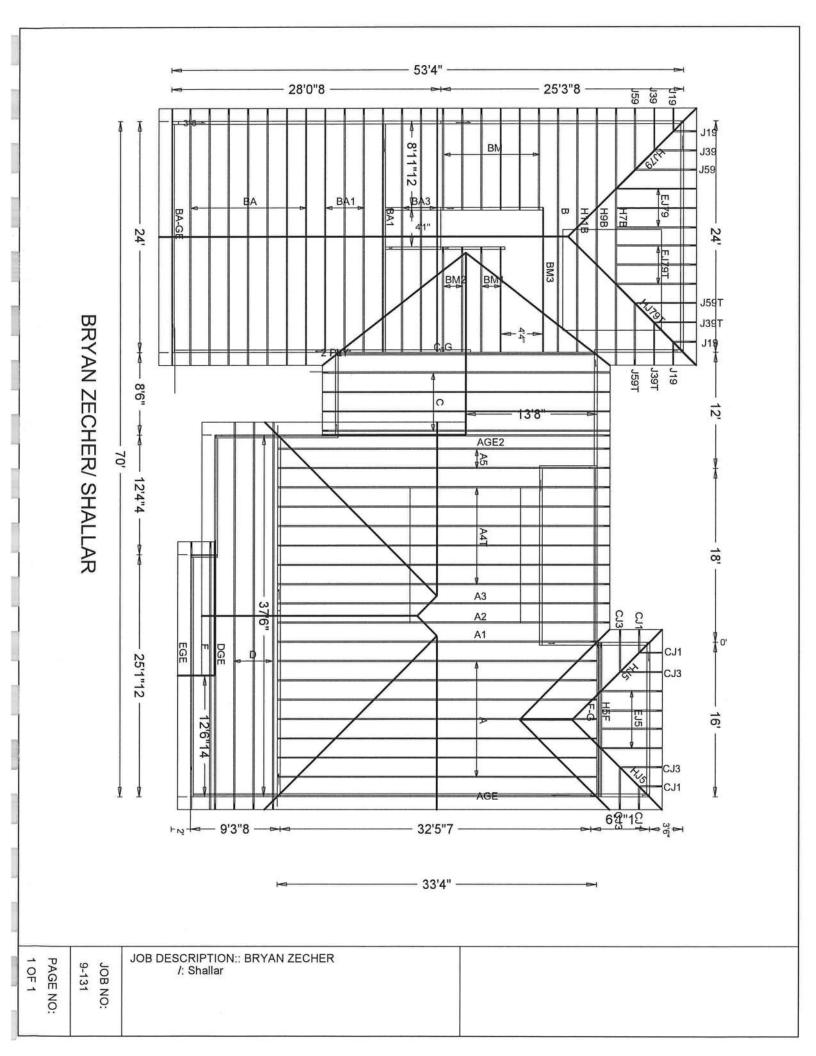
Doug Fleming
Florida License Number: 66648
1 1950 Marley Drive
Haines City, FL 33844
CUSR8228

Seal Date: 05/23/2009

-Truss Design Engineer-

_#	Ref Description	Drawing#	Date
37	66852 CJ3	09174094	06/23/09
38	66853 EJ5	09174116	06/23/09
39	66854 BM	09174124	06/23/09
40	66855 BM1	09174118	06/23/09
41	66856BM2	09174125	06/23/09





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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bottom chord checked for 10.00 psf non-concurrent live load

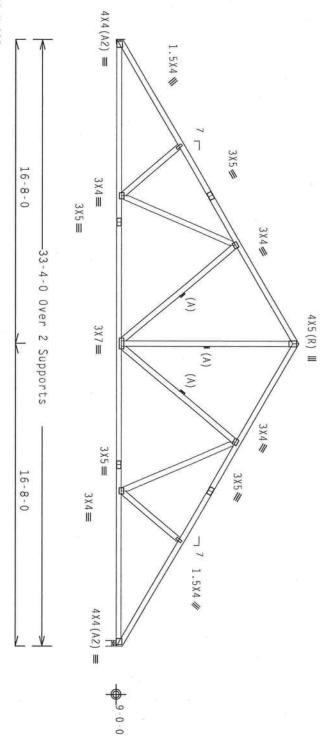
Deflection meets L/360 live and L/240 total load

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

 Ξ Continuous lateral bracing equally spaced on member

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



R=1511 U=115

RL-205/-205 H-Simpson HUS26

w/ (4) 10d Common, 0.148"x3.0" nails in Truss

(14) 10d, 0.148"x1.5" nails in Girder

w/ (14) 10d, 0.148"x1. Girder is (2)2X6 min. So.Pine

PLT TYP.

Wave

Design Crit: FBC2007Res/TPI-2002(STD) /RT=10%(0%)/0(0)

α

PSF

REF

Scale =.1875"/Ft. R8228- 66816

DATE

06/23/09

DRW HCUSR8228 09174095

JB/DF 62932

R-1514 U-115 W-3.5"

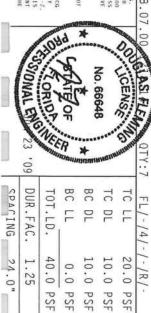
WARNING TRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RELER TO BEST (DUILIDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 221B MORTH LEE STRET, SHITE 127, ALEXANDRIA, VA, 22134) AND WICA (DOOD TRUSS COUNCIL OF AMERICA, 6300 CHRIESPESTS LARE, MORISON, MI 557E) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDIVIALID FOR CORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTON CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTON CHORD SHALL HAVE

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITN BCG. INC. SHALL NOT BE RESPONSIBLE FOR MAY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BHILD THE TRUES IN COMPORMANCE WITH PILOR FAREIGNING. SHEPPIG., INSTALLIGE & BRAZILIGE OF BUSICES. ON THE MEDICANLE PROPYSIONS OF HIS (MATIDNAL DESIGN SEEC, BY AFRA) AND THIS DESIGN CONTROL AND THE APPLY DIATES TO EACH FACE OF TRUESS AND. HINLESS OTHERWISE, LOCATED ON HINS DESIGN, POSITION FER DRAINING SHOW. PLATES TO EACH FACE OF TRUESS AND. HINLESS OTHERWISE, LOCATED ON HINS DESIGN, POSITION FER DRAINING SHOW. AND THIS DESIGN OF PLATES OF PROPESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE FRUESS COMPONENT DESIGN SHOWN. THE SHITABLLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER MASSIVER PER MASSIVER FOR MASSIVER PER MASSIVER OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC 1/0 278



PSF

FROM SEON-HC-ENG

JREF - 1TSR8228Z04

(9-131--BRYAN ZECHER Shallar

**

A1)

THIS DWG PREPARED FROM COMPUTER INPUT (LUADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Bot t chord 2x4 SP | Webs 2x4 SP | ##2 Dense Dense

Roof overhang supports 2.00 psf soffit load

(A) Continuous lateral bracing equally spaced on member.

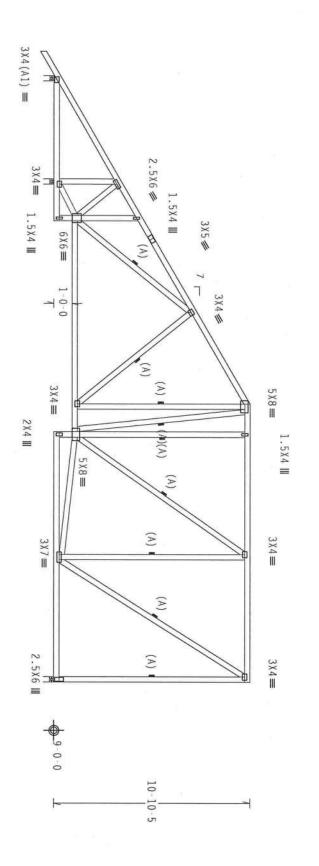
In lieu of structural panels use purlins to brace all flat TC @ $24\mbox{\ensuremath{^{\prime\prime}}}\xspace$ 0C.

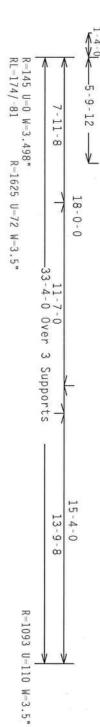
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. Iw-1.00 GCpi(+/-)-0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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





***MARNING** TRUSSES REQUIRE LITERE CARE IN FARRICATION, INABLING, SHIPPING, INSTALLING AND REACING, REFER TO BEST (RULLING COMPONENT SAFETY INFORMATION). PRINCISSED BY PI (TRUSS PLATE INSTITUTE, 218 MORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, ZZ313) AND NTCA (MODD TRUSS COUNCIL OF AMERICA, 6300 ERHTERPESS LAME, MANISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TO CORROR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARILS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RELIGIOUS. Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)

PLT TYP.

Wave

IMPORTANTTURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY TAILURE TO BUILD THE TRUSS IN CONTORMANCE WITH TP: OR FARELANTHIG, INMINITE, INSTALLING & BRACING OF TRUSSES.

BESIGN CONTORNS WITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, MY AFRA) AND TP: THE GOOD CONNECTOR PLATES ANE MOST OF 20/18/16GA (M. M/SS/K) ASTH A653 GRADE 40/60 (M. K/M.SS) GALV. STEEL, APPLY PLATES TO EACH TACE OF TRUSS AND. URLSS OTHERWISE LOCATED ON THIS DESIGN, DOSITION FOR BOMAINGS 16GA, Z PLATES TO EACH TACE OF TRUSS AND. URLSS OTHERWISE LOCATED ON THIS DESIGN, DOSITION FOR BOMAINGS 16GA, Z PARTES AND THE ASTER AND THE TRUSS AND THE STEEL MATERIAL STORY.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY (MATIONAL DESIGN SPEE, BY ASEADA AND IPE. ITH MEG.
) ASTH A653 GRADE #0/50 (M. K/M. SS) GRAV SITEL. APPLY
SELOCATED ON THIS DESIGN, POSTION PER DRAWINGS 160A. Z
FER ARMEY AS OF IPEL-2002 SEC. 3. THE ROSS COMPONENT
HERBRIDG RESPONSIBILITY SOLELY FOR THE ROSS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC 1/0 ~78

BUILDING DESIGNER PER ANSI



PSF PSF

HC-ENG JB/DF

DRW HCUSR8228 09174097

FROM

SEQN-

62953

JREF- 1TSR8228Z04

PSF

Scale =.1875"/Ft. R8228- 66818

DATE REF

06/23/09

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

Roof overhang supports 2.00 psf soffit load

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ $24\mbox{\tt "}$ OC.

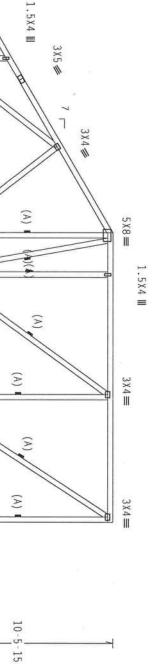
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/)=0.18

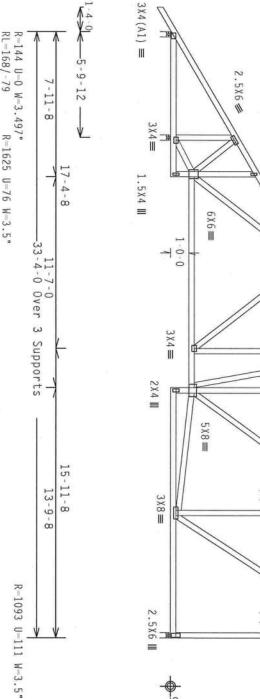
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load

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





MORTH LEE STREET, SUITE 312, ALFX,
ENTERPRISE LAME, MADISON, MI 533
OTHERWISE INDICATED TOP CHORD SHAL
A PROPERLY ATTACHED REGID CEILING. *WARNING** TRUSSES RE OHIBE EXTREME CAME IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, TREATMENT OF THE AND TH FT/RT=10%(0%)/0(0) 00

Design Crit: FBC2007Res/TPI-2002(STD)

TYP.

Wave

BE RESPONSIBLE FOR ANY DEVALUAN FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH PIE: ON FARBELCATING, IANDLING, SHIPPING, INSTALLING A BRACKEN OF TRUSSES, OR COMPORNS WITH APPLICABLE PROVISIONS OF BOS (MAILURA) DESIGN SPEC, BY AFFA) AND THI COUNTRY AND THE APPLICABLE PROVISIONS OF BOS (MAILURA) DESIGN SPEC, BY AFFA) AND THIS COUNTRY AND THE APPLICABLE PROVISIONS OF BOS (MAILURA) DESIGN SPEC, BY AFFA) AND THE APPLY PLATES OF LOCATED ON THIS SHADE OFFOR ME. PLATES OF THE APPLY SHADE, UPLESS OFFOR SHADE MESSES OF AND SHADE OFFOR MESSES.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANGEX A3 OF IPI1-2002 SEC. 3 DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING PY AKENA AND IN: THE BGG

O (H. K/H.SS) GALY. STEEL, APPLY

GGK, POSITION PER DRAHINGS 160A-Z.

ASEAL ON THIS

SOCELY FOR THE TRUSS COMPOSERT

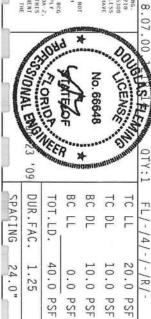
STRG IS THE RESPONSIBILITY OF THE

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC 4 40 778



PSF PSF

JREF -FROM SEQN-HC-ENG

1TSR8228Z04

DATE REF

06/23/09

Scale =.1875"/Ft. R8228- 66819

DRW HCUSR8228 09174098

JB/DF 62958

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

Roof overhang supports 2.00 psf soffit load.

8 Continuous lateral bracing equally spaced on member.

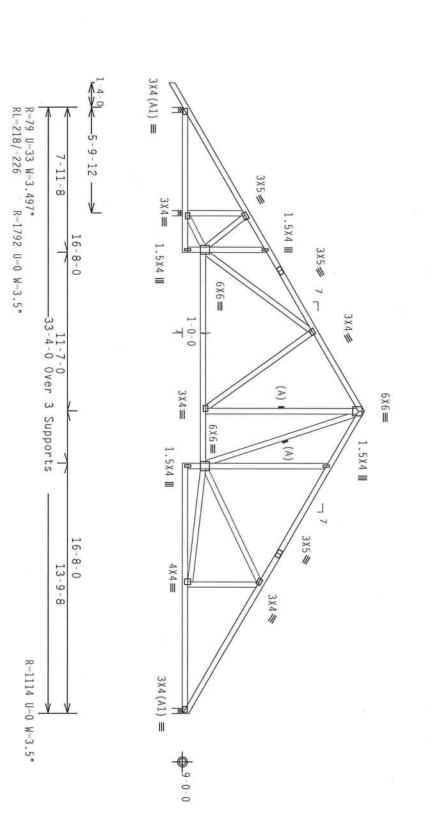
Bottom chord checked for 10.00 psf non-concurrent live load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



REFER TO BEST (QUILOJNG COMPONENT SAFETY INFORMATION), PARDELNG, SHIPPING, INSTALLING AND BRACING, REFER TO BEST (QUILOJNG COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 218 MORTH LEE STREET, SUITE 312, ALEXANDRA, VA, 22314) AND HICA, (MODD TRUSS COUNCIL OF AMERICA, 6300 CHITERPLISE LAME, MADISON, WI SSYIP) FOR SAMETY PRACTICES PRIOR TO PERFORMENT OF THE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CORROR SHALL HAVE PROPERLY ATTACHED SIRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED SIRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE FT/RT=10%(0%)/0(0)

Design Crit: FBC2007Res/TPI-2002(STD)

TYP.

Wave

IMPORTANT*UURMISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 1TH BCG, INC. SHALL NOT BE RESONNIBLE FOR ANY DEVIATION FROM HIS DESIGN; ANY MILIURE TO BUILD THE FRUSS IN COMPORMANCE HITH FP: ON FARRICANTIAG, ANALITION, SHIFPING, INSTALLIGE A BRACING OF REDUSES.

DESIGN CONFIGERS WITH APPLICABLE PROVISIONS OF MUS (MAITHOWAL DESIGN SPIC, BY AFRA) AND TPI, THE BCG CONNECTOR PLATES, ARE MODE OF 20/18/16/04 (H.1955A), ASTH AGS SHADE 40/50 (M. X/M.55) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNITES OTHERWISE LOCATED ON HITS DESIGN, POSITION FER BRANINGS 160A-X.

ANY HISPECTION OF PLATES OF THE SILVAND, OF THE PROPERSY OF THE PROPERSY HIT OF THE BRANINGS 160A-X.

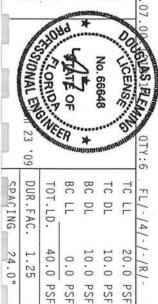
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COMMECTOR PLATES ARE MADE OF 20/10/160A (H-1/555) ASTH ASS) GRADE 40/50 (H-1/155) AGU SPEC, PYAREA) AND FPI. 11H 8CG
PLATES TO EACH FACE OF TRUES AND, UNLESS OFMERNIS LOCATED ON HITS DESIGN. POSITION FER DRAWINGS JOAN-2.
ANY INSPECTION OF PLATES FOLLOWED BY 11/15 (HEALTH AND THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUES COMPONENT
DESIGN SHOWN. THE SUITABLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANALY/PPI 1 SEC. 2:

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC 1/2 778



PSF PSF

HC-ENG SEQN-

JB/DF

62963

DRW HCUSR8228 09174099

FROM

JRFF-

1TSR8228Z04

PSF

Scale =.1875"/Ft. R8228- 66820

DATE REF

06/23/09

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

Roof overhang supports 2.00 psf soffit load

3 Continuous lateral bracing equally spaced on member.

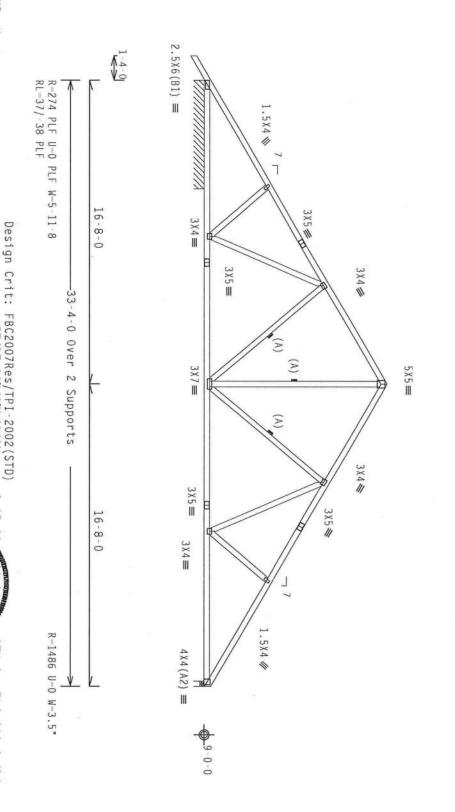
Bottom chord checked for 10.00 psf non-concurrent live load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05. CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/ $^{\prime}$)=0.18

Wind reactions based on MWFRS pressures

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

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



ITW Building Components Group Inc. Haines City, FL 33844 FL CC 4 40 278 ALPINE

PLT TYP. Wave

FT/RT=10%(0%)/0(0)

00

QTY:2

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

Scale =.1875"/Ft. R8228 - 66821

IMPORTANT*DURNISH A CORY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BGG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DURNISH READ THIS DESIGN. TO BUILD THE THUSS IN CORPORMAGE WITH PICE OR FARBLECK LING. MANDLE, HENDEL, HENDEL, HENDELLING A BRACING OF THUSSES.

DESIGN CORPORES WITH APPLICABLE PROVISIONS OF MS; (ARLIVES OF THUSSES, WAYERA), AND FPI.

DESIGN CORPORES ARE MODE OF 20/18/16/6A (4.1/25/K), ASTH AGS3 GRADE 40/60 (4.K./M.X5) GALV. STEEL, APPLY PLATES TO CACHE FACE OF TRUSS AND. DURLESS OTHERMISE, LOCALED ON HILD DESIGN, POSITION PER BRAMINGS TGALS.

PLATES TO CACHE FACE OF TRUSS AND. DURLESS OTHERMISE, LOCALED ON HILD DESIGN, POSITION PER BRAMINGS TGALS.

ANY INSPECTION OF PLATES FOLLOWED BY (1.) SHALL BE PER ADMEX AS OF TPIL-2002 SEC.3.

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ANY INSPECTION OF PLATES FOLLOWED BY (1.) SHALL BY THE PLATE AS OF TPIL-2002 SEC.3.

ANY INSPECTION OF PLATES FOR PROPERSION OF TRIBUTE AND TRI AFKPA) AND TPI. ITW BCG. K/H.SS) GALV. STEEL APPLY POSITION PER DRAWINGS 160A.Z.

GOUBLAS FIG. URION IN No. 66648 09 BC LL BC DL DUR.FAC. TC DL SPACING TC LL TOT.LD. 40.0 1.25 10.0 PSF 10.0 PSF 20.0 PSF 24.0" 0.0

PSF PSF

HC-ENG

JB/DF 62968

DRW HCUSR8228 09174100

DATE REF

06/23/09

JREF -FROM SEQN-

1TSR8228Z04

t chord 2x4 t chord 2x4 Webs 2x4 SPSP ### Dense

See DWGS Al1015050109 & GBLLETIN0109 for more requirements.

Bottom chord checked for 10.00 psf non-concurrent live load

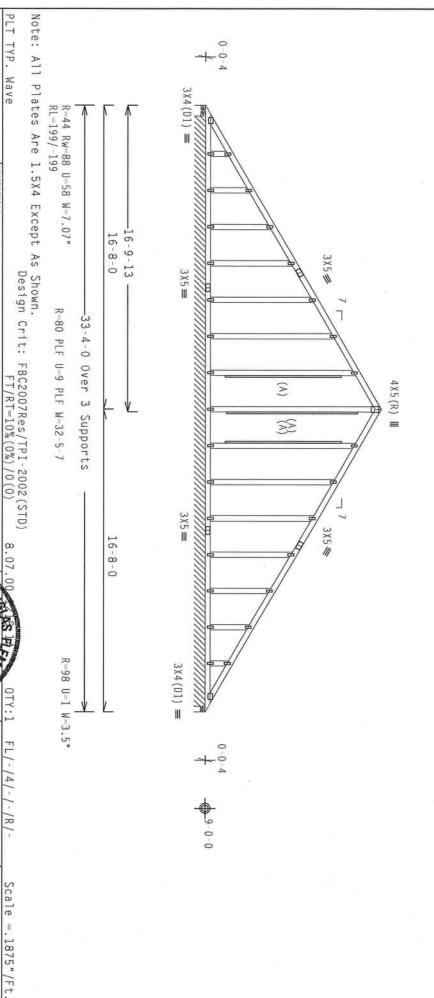
Deflection meets L/360 live and L/240 total load

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) 1×4 #3SRB SPF-S or better "L" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6"

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



WARNING IRBUSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, BELER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CHRUSS PLATE INSTITUTE, ZUR MORTH LEE STREET, SUITE 137, ALEXANDRIA, VA, Z2314) AND HICA (MODD TRUSS COUNCIL OF AMERICA, 6300 LITTERPRISE LAME, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMENT HESE FUNCTIONS. UNLESS OFHERHISE INDICATED FOR CORDS SMALL HAVE PROPERLY ATTACHED STRUCTURAL PARICLS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARICLS AND BOTTOM CHORD SHALL HAVE 00

IMPORTANT*URBISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEPLATION FROM THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE DESIGN CONTRACTOR.

PILOR FARRECTION, HANDLIGG, SHEPPING, INSTALLING A BRACLING OF TRUSSES, BY CHANGE HE PROPERTY OF THE STALLING A DESIGN SPEC, BY ATAPA) AND FPI.

DISTOR COMPORES WITH APPLICABLE PROPERTY OF THIS CHANGE SPEC, BY ATAPA) AND FPI.

THE GOOD OF TOTAL FACE OF TRUSS AND, HANDLING A CHANGE AND HADDE STORM, DOSITION FOR BRANHING 166A Z.

ANY INSPECTION OF PLATES TO LOADED BY (1) SHALL BE FPE ANDER AND FPI. 2002 SEC. 3.

AS SEA, ON THIS SECOND OF PLATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN.

THE SUITABLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSLITY IS SEC. 2.

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CO 4 40 778



JREF -FROM

1TSR8228Z04

SEQN-HC-ENG

63002

1-/R/-

DATE REF

06/23/09

R8228- 66822

DRW HCUSR8228 09174101

JB/DF

Bot p chord 2x4 SP t chord 2x4 SP Webs 2x4 SP ### Dense :W7 2x4 SP Dense

#2 Dense:

Roof overhang supports 2.00 psf soffit load

Gable end supports 8" max rake overhang.

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" 0C.

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

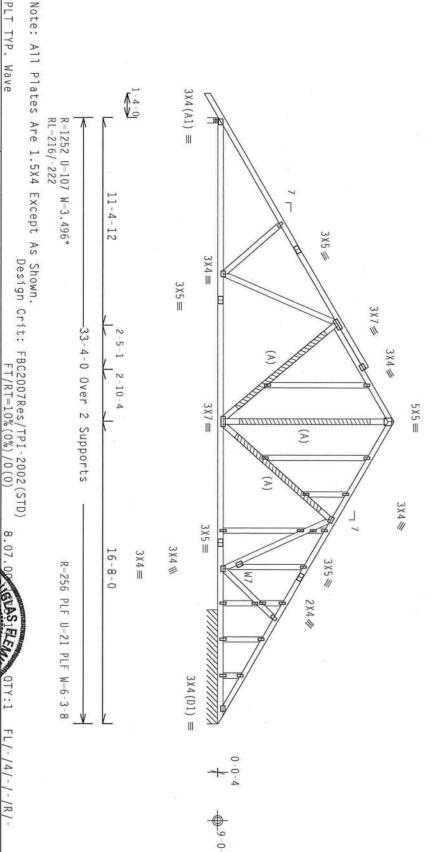
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWGS Al1015050109 & GBLLETIN0109 for more requirements.

Bottom chord checked for 10.00 psf non-concurrent live load

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



PLT TYP. Wave

RETER TO BCSI. (UNLIDING COMPONENT SAFETY INFORMATION), PUBLISHED BRY TEL (TRUSS PLATE INSTITUTE, ZIE MORTH LEE STREIT, SUITE 315, ALEXANDRIA, VA. 27214) AND NICA (400D TRUSS COUNCIL OF AMERICA, 6300 ERREPENSE (AME. MORSON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMED THESE FUNCTIONS. UNLESS OTHERWISE INJECTED TOP CORDED SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTON CHORD SHALL HAVE A PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTON CHORD SHALL HAVE *WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION
REFER TO BCS1 (BUILDING COMPONENT SAFETY INFORMATION). . HANDLING. SHIPPING, INSTALLING AND BRACING. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 ITCA (NOOD TRUSS COUNCIL OF AMERICA, 6300 α

IMPORTANT*UBRISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIALOW FROM HIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH TP: OR FARELANTIAG, AND LIVE, INSTALLING & BRACIE OF TRUSSES.

DESIGN COMPORTS WITH APPLICABLE PROVISIONS OF BDS (MATIONAL DESIGN SPEC, BY ATRAY, AND LIVE. THE BCG COMMERCION DILITS ARE MADE OF 2018/1968 OF MDS (MATIONAL DESIGN SPEC, BY ATRAY, AND LIVE, APPLY PLATES TO LACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION BER DRAWINGS MODE.

BUILDING DESIGNER PER ANSI/TPI 1 SEC DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY ION OF PLATES FOLLOWED BY (1) THE SUITABLEITY AND USE OF THIS COMP

OR PER ANSI/TPI 1 SEC. 2. CATED DN THIS DESIGN, POSTITION FOR DRAWINGS 160A-Z.
WARKA AS OF TPIT-2002 SEC. 3.
WE RESONATION FOR DRAWINGS 160A-Z.
WE RESONATION FOR THE PROPERTY OF THE PR OZ SEC.3. A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT NG. 15 THE RESPONSIBILITY OF THE

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC x 400 278

CONSUMS FLE CENS No. 6664 23 09 BC DL BC LL DUR.FAC. TC DL SPACING TC LL TOT.LD. FL/-/4/-/-/R/-10.0 20.0 10.0 PSF 0.0

PSF

HC-ENG

JB/DF

DRW HCUSR8228 09174102

PSF

DATE REF

06/23/09

PSF

Scale =.1875"/Ft. R8228- 66823

40.0 1.25 24.0" PSF JREF -FROM SEQN-1TSR8228Z04 63022

Top chord 2x6 SP #2 t chord 2x8 SP #1 I Webs 2x4 SP #3 :T2, T3 2x6 SP SS: Dense :B3 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load

Calculated horizontal deflection is 0.22" due to 0.27" due to dead load. live load and

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-0-0 to 18-0-0 .

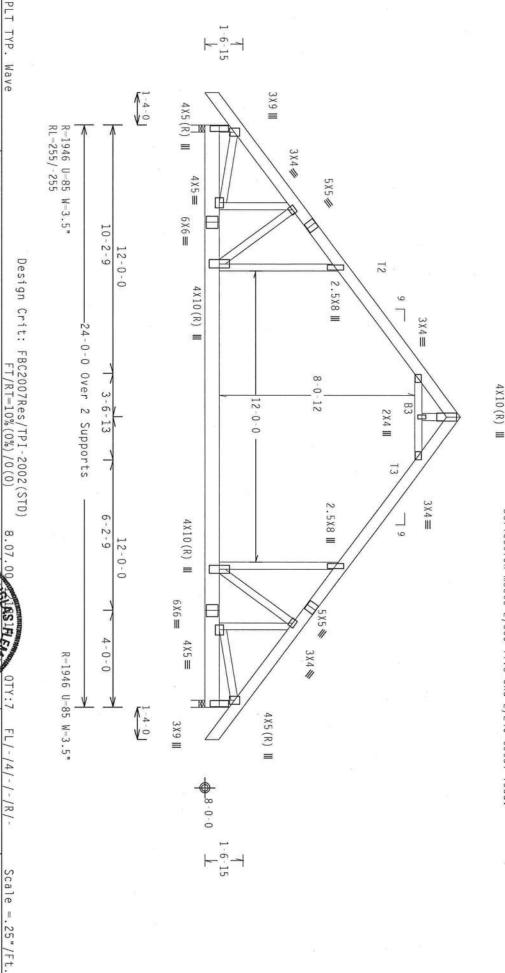
Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

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

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

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



WARNING IRUSSES REQUIRE EXTREME CARE IN FARRICATION, INAUDING, SHIPPING, HEYALING AND REACING,
REFER TO BEST (QUILDING COMPONENT SAFETY INFORMATION), PURLISHED BY TPI (TRUSS PLATE INSTITUTE, 210
HOUTH LEE STREET, SUITE 312, ALEXANDIA, VA, 22314) AND UTCA (ADOND TRUSS COUNCIL OF AMERICA,
6300
ENTERPLISE ILARE, MORISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PREFERENCE THESE FUNCTIONS. UNILESS
OFHERWISE TRUTCALED FOR CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTON CHORD SHALL HAVE
A PROPERTY ATTACHED REGID CELLING.

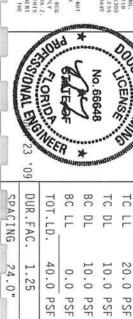
IMPORTANI*URBRISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BGG. HC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH THE TORS FARRICATING, MANUFAGE, SHIPPLING, INSTALLING & BRACING OF TRUSSERS, AND THI. CONTROLS WITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY AERA), AND THI. CONTROLS THE APPLY BALTIST OF EACH FACE OF TRUSS AND, DULESS OTHERWISE (COATED ON THIS DESIGN, POSITION FER BRACINGS (BAPLY STEEL, APPLY BALTIST OF EACH FACE OF TRUSS AND, DULESS OTHERWISE (COATED ON THIS DESIGN, POSITION FER BRACHMSS (BOAL).

ANY INSPECTION OF PLATES FOR LOUGHED BY (1) SHALL BE FER ANKEX AS OF TPIT-2002 SEC, A. O SEA, OUT HIS DRAUMS (MOME). THE SULTABLITY AND USE OF THIS CORPORATED BY TRUSS COMPONENT DESIGN SHOWN. THE SULTABLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER FER ANKEX JUTY 1 SEC. Z.

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC 450 778



JREF -

1TSR8228Z04

SEQN-

HC-ENG

JB/DF 63057

DATE REF

06/23/09

R8228- 66824

DRW HCUSR8228 09174103

Top chord 2x6 SP #2:T2, T3 2x6 SP SS: Bot chord 2x8 SP #1 Dense:B3 2x4 SP #2 Dense: Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.22" due to live load 0.27" due to dead load.

and

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-0-0 to 18-0-0.

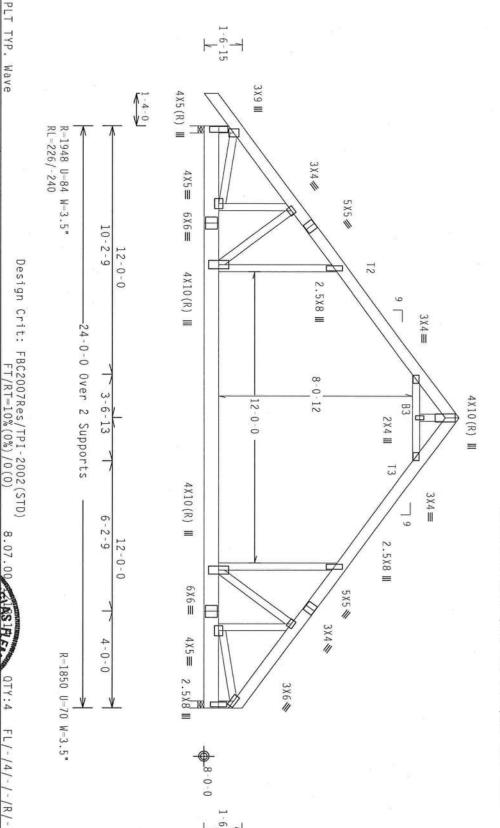
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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

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



IMPORTANTUBBISH A CORY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BEG, JEC. SMALL NOT BE RESPONSIBLE TOR ANY DELIVATION FROM THIS DESIGN, ANY PALBURG TO BUILD THE FRUSS JE COMPORMACE WITH TRY, OR FARBLANTIA AND CAUSE PROPERIORS OF MOST CHATOPHAL DESIGN SPEC, BY AFRYA AND TPI.

DESIGN CONFIDENCE AND MADE OF BOTHLY SOAN CHATOPHAL DESIGN SPEC, BY AFRYA AND TPI.

CONNECTOR PLATES AND MADE OF BOTHLY SOAN CHATOPHAL DESIGN SPEC, BY AFRYA AND TPI.

TALES TO EACH FACE OF TRUSS AND. UNLESS ONHERISES LOCATED ON THIS DESIGN. BYSITION FOR BRANDERS KORA 2, ANY TRISFECTION OF PLATES FOLLOWED BY CH.) SHALL BE FER ANRIES AS OF TPI. 2002 SCC. 3.

A SEAL ON THIS

PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHER/ISE LOCATED ON THIS DESIGN, POSITION PER DRAMINGS 160A. 7.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.5 OF TPI1-2002 SEC.3. A SEAL ON THIS
DRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGN SHOWN. THE SUITABLLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANSI/IPI 1 SEC. 2.

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC x un 278



REF

06/23/09

Scale = .25"/Ft.

R8228- 66825

DRW HCUSR8228 09174104

JB/DF 63062

JREF -

1TSR8228Z04

SEQN-

Top chord 2x6 SP #2 Bot chord 2x8 SP #1 Webs 2x4 SP #3 :T2, T3 2x6 SP SS: Dense :B3 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load

Bottom chord checked for 10.00 psf non-concurrent live load

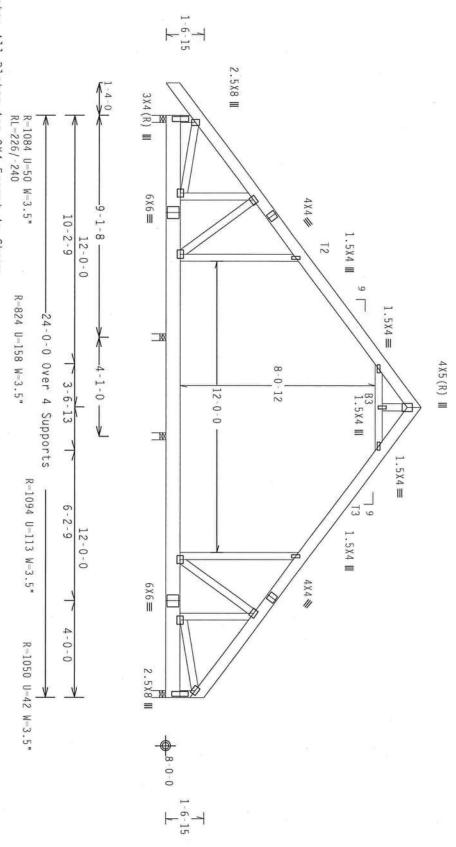
BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-0-0 to 18-0-0 .

110 mph wind, 15.00 ft mean hgt, ASCE anywhere in roof, CAT II, EXP B, wind DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.187-05, CLOSED bldg, Located TC DL=5.0 psf, wind BC

Wind reactions based on MWFRS pressures.

Collar-tie braced with continuous lateral bracing at 24" rigid ceiling. 00. 20

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



Note: All Plates Are 3X4 Except As Shown. Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP.

Wave

FT/RT=10%(0%)/0(0)

ω

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

Scale = .25"/Ft.

R8228- 66826

DATE REF

06/23/09

IMPORTANI*URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 17W DCG. INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FALLURE TO BUILD THE FRUSS IN COMPORMANCE WITH PLICAL COMPORES WITH APPLICALLE PROVISIONS OF HOS (MAITOMAL DESIGN SPEC, BY AFAPA) AND PLICALLE PROVISIONS OF HOS (MAITOMAL DESIGN SPEC, BY AFAPA) AND PLICALLE PROVISIONS OF HOS (MAITOMAL DESIGN SPEC, BY AFAPA) AND PLICALLE PROVISIONS OF HOS (MAITOMAL DESIGN SPEC, BY AFAPA) AND PLICALLE PROVISIONS OF #0.05 (MAITOMAL DESIGN SPEC, BY AFAPA) AND PLICAL PROVISIONS OF #0.05 (MAITOMAL DESIGN SPEC, BY AFAPA) AND PLICAL PROVISIONS OF #0.05 (MAITOMAL DESIGN SPEC, BY AFAPA) AND PLICAL PROVISIONS OF #0.05 (MAITOMAL DESIGN SPEC, BY AFAPA) AND HOS OF PARES PALLURBED BY (1) SHALL BE FER AND AND THIS DESIGN SHOWN.

DESIGN SHOWN. THE SULFABILITY AND USE OF HIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/THE 1 SEC. 2. Y AFAPA) AND TP1. ITH BGG
WW. KYM.SS) GALY. STEEL APPLY
L. POSITION PER DRAWHINGS 166A.Z.
Z. SEC.J.
A. SEAL ON THIS
SOLELY FOR THE TRUSS COMPONENT
G IS THE RESPONSIBILITY OF THE

ITW Building Components Group Inc. Haines City, FL 33844 FL CC 1/2 778

ALPINE

ORIONAL ENGINEE CENS No. 66648 09 BC LL BC DL SPACING DUR.FAC. TC DL TC LL TOT.LD. 1.25 40.0 10.0 20.0 24.0" 10.0 PSF 0.0 PSF PSF PSF PSF

JREF -

1TSR8228Z04

SEQN-

HC-ENG

JB/DF 63068

DRW HCUSR8228 09174105

Bot chord 2x4 chord 2x4 SP #2 chord 2x8 SP #1 Webs 2x4 SP #3 Dense:T3 2x6 Dense:B3 2x4 SP #2: :T4 2x6 #2 Dense: SP SS:

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

Collar tie braced with continuous lateral bracing at 24" OC. rigid ceiling. 20

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

MEMBER TO BE LATERALLY BRACED FOR OUT OF PLANE WIND LOADS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS. 4X5 (R) Ⅲ

> Negative reaction(s) of -300# MAX. (See below) from a non-wind case requires uplift connection.

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

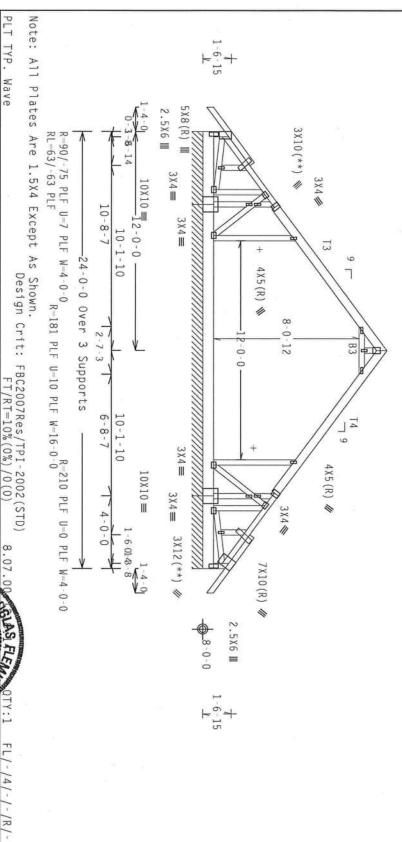
Wind reactions based on MWFRS pressures.

Gable end supports 8" max rake overhang

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 6-0-0 to 18-0-0.

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



RETER TO BOSS! (GUILDING COMPONENT SAFETY INFORMATION, HANDLING, SHIPPING, INSTALLING AND BRACING, MORTH LEE STREE, SUITE 312. ALEXANDRAL, WAS 22143 AND HICKARD BY TP! (THUSS PLATE INSTITUTE, 218 NORTH LEE STREEF, SUITE 312. ALEXANDRAL, WA, 22134) AND HICKARD OF TRUSS COUNCIL OF AMERICA, 6300 CHINESPESS LAME, MODISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OFHERHISE INDICATED TOP COMPS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARILS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARILS AND BOTTOM CHORD SHALL HAVE

** IMPORTANI***URBESH A COMP OF THIS DESIGN TO THE TRESHALATION CONTRACTOR. THE BCG. HEC. SHALL HOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH PICTOR FARRICATING, NAMELING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN COMPORES WITH APPLICABLE PROVISIONS OF HOS (MAITOMAL DESIGN SPIC, BY ALRA) AND TPI. THE BCG COMMECTOR PLATES ARE MADD OF 20/18/160A (M. 1/18/27), ASTH MASS MADDE MOYED, K.K.M.S.S.S. AND TRUSSES. TO EACH FACE OF TRUSS AND. UNLESS OTHER HIS COCKED ON THIS DESIGN, POSITION FOR BOMAINGS 160A. A PLATES FOR THE SECOND OF PARTIES FOLLOWED BY (1) SHALL BE FOR MARKE A3 OF TRIL-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SHITACHLITY AND USE OF THIS COMPONENT DESIGN SHOWN. THE SHITACHLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC 1 40 778

SOS LICENSE ORIONAL ENGINEE No. 66648 .09 BC LL BC DL TC DL DUR.FAC. SPACING TOT.LD. TC LL

> 40.0 1.25

PSF

SEQN-

24.0"

JREF -

1TSR8228Z04

10.0

DRW HCUSR8228 09174106

0.0 PSF PSF PSF

HC-ENG

JB/DF 63095

10.0 20.0

DATE REF

06/23/09 66827

PSF

R8228-

Scale

=.1875"/Ft

Top chord 2x4 SP #2 Dense :T2 2x6 SP #2: Bot chord 2x6 SP #2 Webs 2x4 SP #3 :W9, W11 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" 0C.

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

Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang.

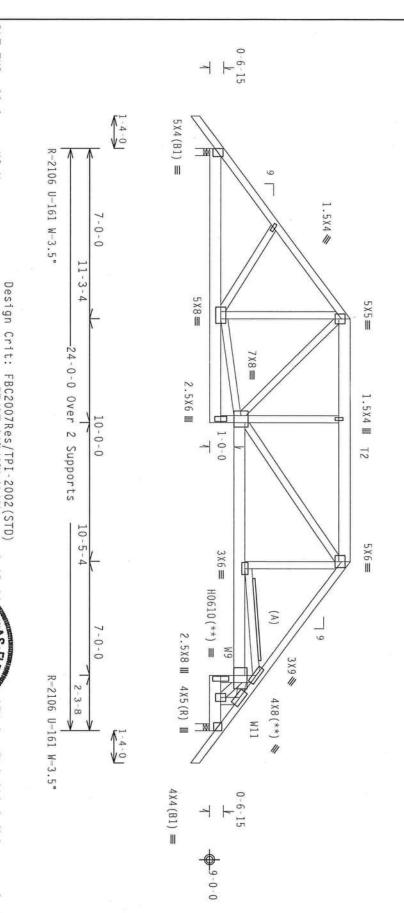
 $\binom{**}{2}$ plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

In lieu of structural panels use purlins to brace all flat TC

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



20 Gauge HS, Wave **WARNING** TRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, BEFER TO BEST. (BUILDING COMPORENT SAFETY INFORMATION), PUBLISHED BRY FFT (FRUSS PLATE INSTITUTE, Z18 MORIN LEE SINEE, SHIPE 132, ALEXANDRA, VA, Z2314) AND NICA (HODO TRUSS COUNCIL OF AMERICA, GOOD ENTERPRISE LANE, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PEFFORMING THESE FUNCTIONS. UNLESS OTHERWISE HOLDS CHARLED FOR COMPORTAL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE FT/RT=10%(0%)/0(0)

α

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

Scale = .25"/Ft.

R8228- 66828

PLT TYP.

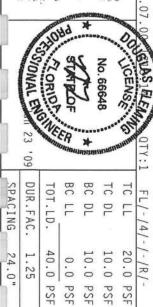
BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE: OR FARBITCATING, HANDLENG, SHEPTUR, INSTALLING A BRACHE OF BUILD THE TRUSS IN GOMPORHAMCE WITH DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 100 S (MATIONAL DESIGN SEC, BY ATRA) AND THE LIKE OF CONNECTOR PLAIRS ARE MADE OF 20/18/16/04. (MATICANAL DESIGN SEC, BY ATRA) AND THE LIKE OF CONNECTOR PLAIRS ARE MADE OF 20/18/16/04. (MATICANAL DESIGN SEC, BY ATRA) AND THE BUILD SECOND OF A STALL APPLY PLAIRS TO EACH FACE OF TRUSS AND, UNLESS OTHERMS. LOCATED ON THIS DESIGN, POSITION PER DRAHIMGS 160A-Z. ANY MESFECTION OF PLAIRS FOLLOWED BY (1) SHALL HE FOR ANNEX AS OF TPIL-2002 SEC.3. A SEAL ON THIS DESIGN OF THE STALL OF TH

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING DESIGNEE FER ANSI/TPI I SEE, Z. OF TPI1-2002 SEC.3. A SEAL ON THIS ONSIBILITY SOLELY FOR THE TRUSS COMPONENT ANY BUILDING IS THE RESPONSIBILITY OF THE

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC * 40 778



PSF PSF

DRW HCUSR8228 09174117

JB/DF 62747

DATE REF

06/23/09

	23
L	.09
SPACING	DUR.FAC.
24.0"	1.25
JREF-	FROM
1TSR8228Z04	АН

PSF PSF

SEQN-HC-ENG

PLT TYP. Wave Deflection meets L/360 live and L/240 total load. Bottom chord checked for 10.00 psf non-concurrent live load. Roof overhang supports 2.00 psf soffit load. ITW Building Components Group Inc. Haines City, FL 33844 FL CC 78 ALPINE 4X4 (B2) ≡ R-1116 U-93 W-3.5" REFER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FFI (THUSS PLAIE INSTRULING AND BRACING.

WORTH LEE SIREE; (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FFI (THUSS PLAIE INSTITUTE, ZIN

MORTH LEE SIREE; (BUILDING, ALEXANDRIA, VA, ZEJA) AND WICKA (ROOD TRUSS COUNCIL OF AMERICA, 6300

ENTERPEST (LANE, MADISON, MI 53739) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. DRIESS

OTHERWISE INDICATED FOR CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE

A PROPERTY ATTACHED RIGHD CEILING. BUILDING DESIGNER PER ANSI DUSIGN CONFORMS WITH APPLICABLE PROVISIONS CONNECTOR PLATES ARE MADE OF 20/10/16GA (W. PLATES TO EACH FACE OF RUSS AND. UNLESS O ANY INSPECTION OF PLATES FOLLOWED BY (1) SH **IMPORTANT** TURNISH A CORY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE DO BUILD THE BUSS IN COMPORMANCE WITH IP: OF FARBLANTING, NAMBLING, SHIPPING, INSTALLING & BENACING OF FRUSSES. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY 1.5X4 9-0-0 DILLY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE Design Crit: FBC2007Res/TPI-2002(STD) 11-3-4 3 X 7 ≡ 4×6≡ -24-0-0 Over 2 Supports POSITION PER DRAWINGS 160A-2 1.5X4 III 1.5X4 III 1-0-0 5 X 6 ≡ In lieu of structural panels use purlins to brace all flat TC @ $24\mbox{\ensuremath{^{\circ}}}$ 0C. 8.07 5 X 6 ≡ 3 X 6 ≡ CENS No. 66648 10-5-4 8 W 9 .09 9-0-0 BC LL BC DL TC DL TC LL DUR.FAC. SPACING TOT.LD. FL/-/4/-/-/R/-3 X 9 ≡ ew 2.5X6 2X4 III 1.25 40.0 20.0 10.0 PSF 10.0 PSF 24.0" 0.0 R-1017 U-76 W-3.5" 1.5X4 III PSF PSF PSF 1.5X4 Ⅲ DATE FROM SEQN-HC-ENG REF JRFF -DRW HCUSR8228 09174086 4X4(B2) = Scale =.3125"/Ft. R8228- 66829 1TSR8228Z04 JB/DF 62762 06/23/09

Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 :W10 2x6 SP #1 Dense

Roof overhang supports 2.00 psf soffit load

H - recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

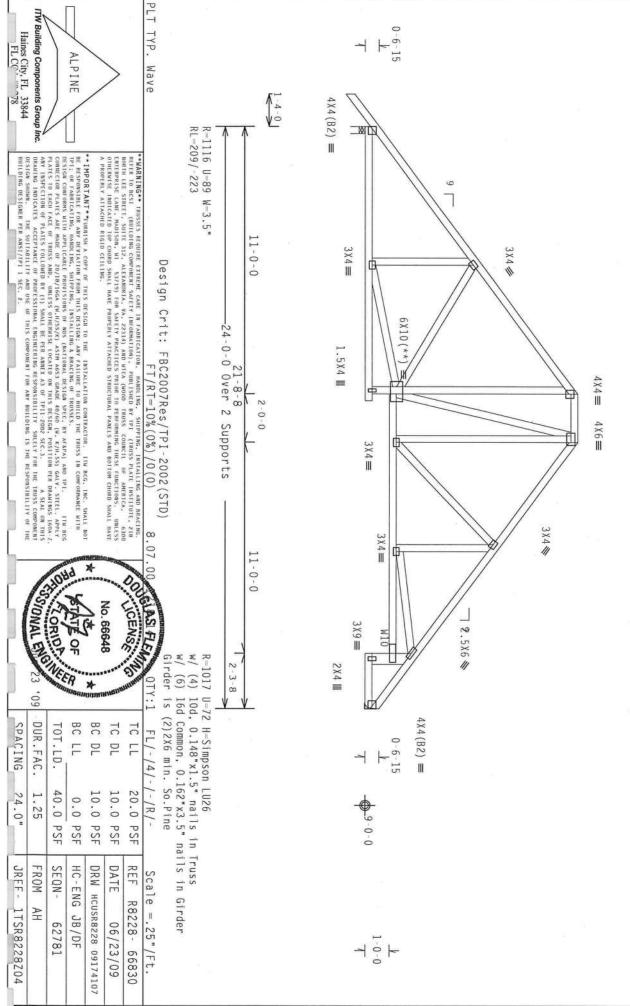
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. Iw-1.00 GCpi(+/-)-0.18

Wind reactions based on MWFRS pressures.

In lieu of structural panels use purlins to brace all flat TC @ $24\mbox{\ensuremath{^{\circ}}}\xspace$ 0C.

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



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

Roof overhang supports 2.00 psf soffit load

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

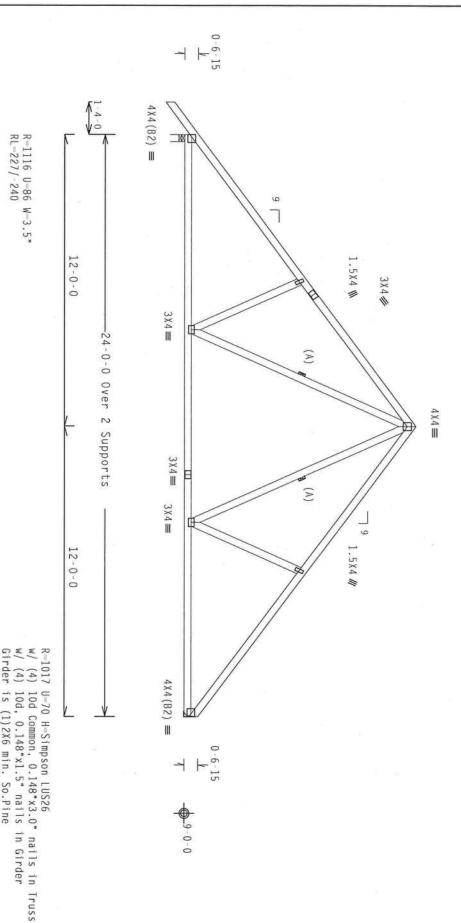
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures

Continuous lateral bracing equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load

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



REFER TO BEST (BUILDING COMPONENT SAFETY IMPONATION), PAULINE DE BY THE (TRUSS PLATE INSTITUTE, 218 MORTH LEE STREET, SUITE 313, ALEXANDRIA, VA, ZEJAD) AND GICA, (MODO TRUSS, COMMICT, OF AMERICA, 6300 ENTERPLS) LANE, MADESON, MI SZYE), FOR SAFETY PRACTICES PRIOR TO PEFFORMEND THESE FUNCTIONS. UNIL SAFETY PRACTICES PRIOR TO PEFFORMEND THESE FUNCTIONS. UNIL SAFETY PRACTICES PRIOR TO PEFFORMEND THESE FUNCTIONS. UNIL SAFETY PRACTICES PRIOR TO PEFFORMEND THESE FUNCTIONS. Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0) 8.07

PLT TYP. Wave

IMPORTANT publish A COMP of THIS DESIGN TO THE UNSTALLATION CONTRACTOR. THE BCG. INC. SHALL MAD THE RESPONSIBLE THE OR ANY DEVALUATION THOM THIS DESIGNS. ANY TAILING TO BUILD THE TRUSS IN COMPORMANCE HITH THE CONTRACT OF ANY TAILING AND THE THIS STATE OF THE CONTRACT OF THE CONTRAC

ITW Building Components Group Inc.

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Haines City, FL 33844 FL CC 78

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABLILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/IPI 1 SEC. 2.

OUTENAS IFIE CENS No. 66648 09 BC LL BC DL TC DL DUR.FAC. SPACING TOT.LD. TC LL FL/-/4/-/-/R/-40.0 1.25 20.0 24.0" 10.0 PSF 10.0 PSF 0.0 PSF PSF PSF

> DATE REF

06/23/09

Scale = .25"/Ft. R8228- 66831

DRW HCUSR8228 09174108

JB/DF 62792

FROM

JREF -

1TSR8228Z04

SEQN-HC-ENG is (1)2X6 min. So.Pine

Bot p chord 2x4 SP #2 I t chord 2x6 SP #2 Webs 2x4 SP #3 Dense

Left end vertical not exposed to wind pressure.

H - recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Trusses to be spaced at 36.0" OC maximum.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

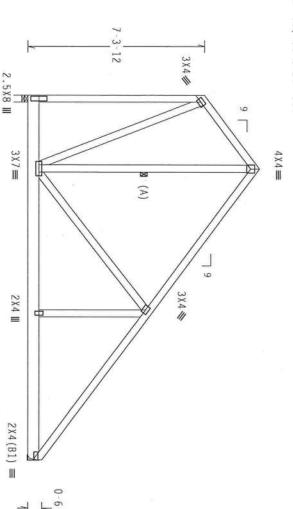
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

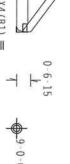
Wind reactions based on MWFRS pressures

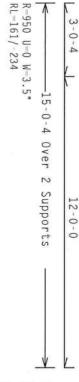
continuous lateral bracing, equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent live load

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







R=966 U=0 H=Simpson LUS26 w/ (4) 10d Common, 0.148"x3.0" nails in Truss w/ (4) 10d, 0.148"x1.5" nails in Girder

w/ (4) 10d, 0.148°x1.5° names Girder is (1)2X6 min. So.Pine

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

Scale =.25"/Ft. R8228- 66832

PSF

DATE REF

06/23/09

Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)

PLT TYP.

Wave

ENTERPRISE LANE, MADISON, HI 533 DTHERWISE INDICATED TOP CHORD SHAL A PROPERLY ATTACHED RIGID CEILING. **WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WI OHISE ETHEME CARE IM FARRICATION, HANDLING, SHIPPING, INSTALING AND BRACING, TREATMENT OF THE METERS OF THE ASSETTION OF THE 00

HE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN TO THE HISTALLATION CONTRACTOR. THE RGG, INC. SHALL HOT PI: OR FARRICATING, INABELION, SHATPHOE, INSTALLATION OF TRUSSES.

DESIGN CONFERENCE AND THE APPLICABLE PROVISIONS OF HIS (MATIGNAL DESIGN SPEC, BY AFANA) AND THI. THE RG CONNECTION FAIRS ARE ANDE OF 20/18/16/04, MAINS (MATIGNAL DESIGN SPEC, BY AFANA) AND THIS CONNECTION FAIRS ARE ANDE OF 20/18/16/04, MAINS (MATIGNAL DESIGN SPEC, BY AFANA) AND THIS CONNECTION FAIRS ARE ANDE OF 20/18/16/04, MAINS (MATIGNAL DESIGN SPEC, BY AFANA) AND THIS CONNECTION FAIRS ARE ANDE OF 20/18/16/04 (MAINS) ASTA MASS AND THE APPLY PIATES TO LACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, DOSITION DER DEALWARDS. PRATES TO EACH FACE OF TRUSS AND. UNLESS ORIEN/ISE LOCATED ON THIS DESIGNA POSITION.

ANY INSPECTION OF PLATES COLOUGIE BY (1) SMALL BE PER ANNEX AS OF TPI1-2002 SEC.3

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY DESIGNA SHOWN. THE SULFABILITY AND USE OF THIS COMPONENT FOR ANY BULLING IS IN BULLING DESIGNAFING FER ANALYTHIS SEC. 2. OZ SEC.3. A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT NG IS THE RESPONSIBILITY OF THE

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ALPINE

Haines City, FL 33844 FL CC 78



PSF PSF

HC-ENG

JB/DF 62823

DRW HCUSR8228 09174109

JRFF-FROM SEQN-

1TSR8228Z04

Wind reactions based on MWFRS pressures. SPECIAL LOADS From 63 PLF at 0.00 to 6 From 63 PLF at 13.67 to 6 From 20 PLF at 0.00 to 701 LB Conc. Load at 15.27, 1 966 LB Conc. Load at 21.73 1017 LB Conc. Load at 23.27, 2 (LUMBER DUR.FAC.=1.25 PLATE TE DUR.FAC.=1.25)
63 PLF at 13.67
63 PLF at 27.33
20 PLF at 27.33
17.27 25.27

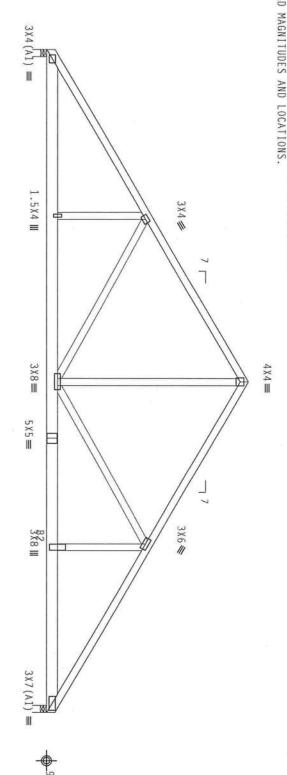
> Nailing Schedule: Top Chord: 1 Row 6 Bot Chord: 1 Row 6 Webs: 1 Row 6 e: (0.131"x3"_Gun_nails)
> w @12.00" o.c.
> w @ 9.25" o.c.
> w @ 9.25" o.c.

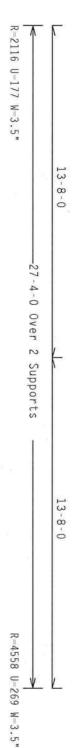
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, located within 4.50 ft from roof edge, CAT II, EXP B, wir DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18 dg, not wind TC

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

AND FOR BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES LOCATIONS. THE TRUSS ENGINEER IS NOT RESPONSIBLE LOAD MAGNITUDES AND LOCATIONS.





Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)

PLT TYP.

Wave

WARNING TRUSSES REQUITE EXTREME CARE IN FARRICATION, INDICING, SUPPING, INSTALLING AND BRACING,
REFER TO BOSY (BUILDING COMPORINT SAFETY INFORMATION), PUBLISHED BY THE FURNISHED RESTRICT INSTITUTE, 218
HORTH LEE STREET, SHITE 312, ALEXAMBETA, VA. 72314) AND WITCA (HODO TRUSS COHNCIL OF AMBERICA, 6300
ENTERPRISE LAME, HADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMHER THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED FOR CHORDS SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE
A PROPERTY ATTACHED RIGHD CELLING. 00

AFAPA) AND TPI. ITW BCG. K/H.SS) GALV. STEEL. APPLY POSITION PER DRAHINGS 160A-Z.

IMPORTANINUMBERS A CODY OF THIS DESIGN TO THE TREVALATION CONTRACTOR. THE MCG. HE. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FALLUNE TO BUILD THE TRUSS IN COMPORMANCE WITH PIPE OR FARRICACTOR. HANDLING, SHIPPING, INSTALLING & BANCING OF TRUSSES.

DESIGN COMPORES HITH APPLICABLE PROVISIONS OF HOS (MAITOMAL DESIGN SPEC, BY ALPA) AND IPI.

DESIGN COMPORES HITH APPLICABLE PROVISIONS OF HOS (MAITOMAL DESIGN SPEC, BY ALPA) AND IPI.

DESIGN COMPORES AND DESIGN OF TRUSS AND. DHESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER BUMINGS SOALS.

ANY INSPECTION OF PARTS FALLUNGED BY (1) SHALL BE FER ANDEX AS OF IPIL-700-2 SEC. 3. A SEA, ON THIS

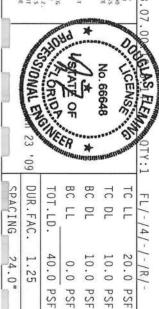
DESIGN SHOWN. THE SHILDHALLITY AND USE OF HIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

BUILDING SHOWN. THE SHILDHALLITY AND USE OF HIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC 78



PSF

HC-ENG

JB/DF

62839

DRW HCUSR8228 09174126

PSF

FROM SEQN-

JRFF-

1TSR8228Z04

PSF

DATE REF

06/23/09

PSF

Scale =.25"/Ft. R8228- 66833

(9-131--BRYAN ZECHER Shallar

**

S

IHIS DWG PREPARED FROM COMPUTER INPUT (LUADS & DIMENSIONS) SUBMITTED BY TRUSS MER.

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

Roof overhang supports 2.00 psf soffit load.

Gable end supports 8" max rake overhang.

See DWGS All015050109 & GBLLETIN0109 for more requirements.

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

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

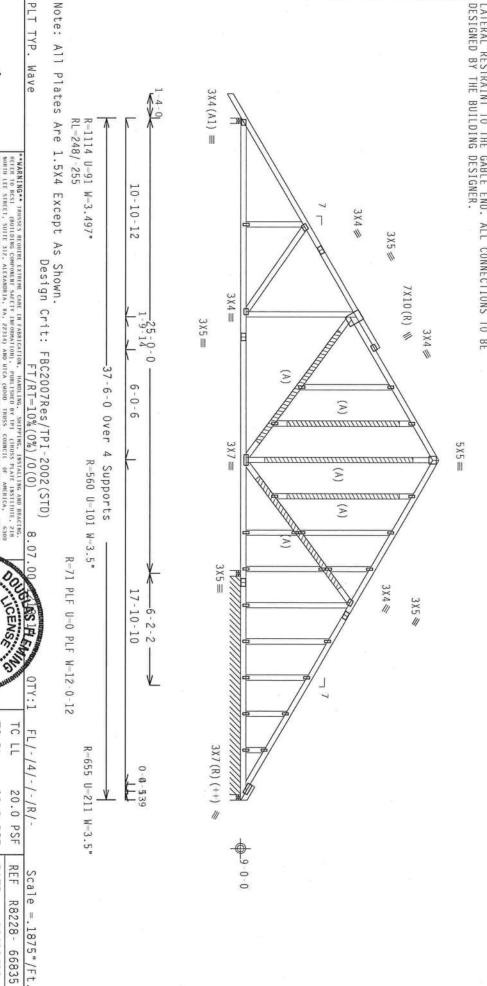
(++) - This plate works for both joints covered.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

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



ITW Building Components Group Inc.

IMPORTANT PURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT ME RESPONSIBLE FOR ANY DEPLATION FROM THIS DESIGN, ANY TAILURE TO BUILD THE TRUSS IN COMPONENCE HITH PRI ON FARRICKING. HANDLEG. SHIPPIRE, INSTALLING A BRACKING OF TRUSSES, AN ARAD AND TRI. DESIGN CONTROL AND THE PROPUSIONS OF HIS SECOND SPECE, BY AFADA AND TRI. OF THE PROPUSIONS OF HIS SECOND SPECE, BY AFADA AND TRI. APPLY DELATES TO EACH FACE OF TRUSS, AND. DUBLES OTHERHISE LOCATED ON HITS DESIGN, POSITION FRE BRANKINGS BOAK. AND THIS DESIGN OF PALTES POLICIONED BY CONTROL SHOWN AND AND THE SHITMAND SECOND SHOWN. AND THE SHITMAND SECOND SHOWN. THE SHITMANLIFT AND USE OF THIS CONPONENT FOR ANY BUILDING IS THE RESPONSIBILITY AND USE OF THIS CONPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/FPH 1 SEC. 2.

STONAL ENGINEE

.09

DUR.FAC. SPACING

> 1.25 40.0

FROM

SEQN-HC-ENG

24.0"

JRFF -

1TSR8228Z04

ATHE OF

BC LL BC DL TC DL TC LL

TOT.LD.

No. 66648

20.0

PSF

R8228- 66835

10.0 PSF 10.0 PSF 0.0 PSF PSF

> DATE REF

06/23/09

DRW HCUSR8228 09174110

JB/DF 62918

WARNING TRUSSES BEQUIBE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, RELER TO BEST. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TY CHRUSS PLATE INSTITUTE, ZUB WORTH LEE SIREET, SUITE 315, ALEXANDRA, VA, Z2314) AND HICA (ADOD TRUSS COUNCIL OF AMERICA, 6200 ERHEROR, SUITE 52719) FOR SAFETY PRACTICES PRIOR TO PERFORMED HEST FUNCTIONS. UNLESS OFHERMIST HOLDSCAFED FOR CORDS SMALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SMALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SMALL HAVE

ALPINE

Haines City, FL 33844 FL CC 78

SPACING

24.0"

JREF -

1TSR8228Z04

Bot Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #3 Dense Bot S2x4 SP #3 Dense::Stack Chord SC2 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

See DWGS All015050109 & GBLLETIN0109 for more requirements

Bottom chord checked for 10.00 psf non-concurrent live load In lieu of structural panels use purlins to brace TC @ 24" OC

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

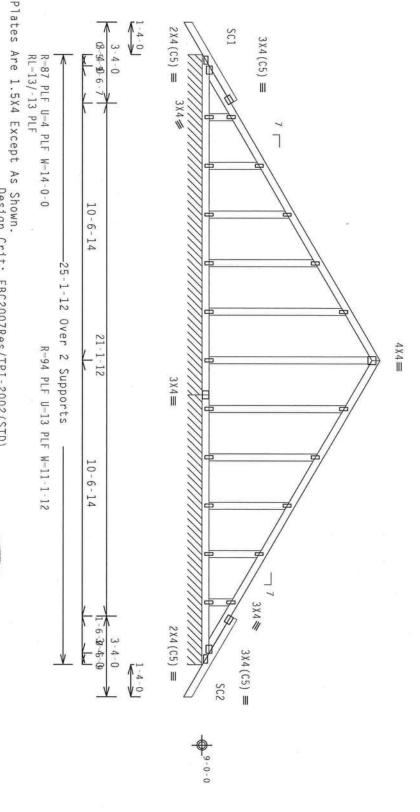
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CELLING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Gable end supports 8" max rake overhang.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24° o.c. intervals. Attach stacked to chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24° o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6. stacked top



Note: All Plates

PLT TYP.

Wave

WARNING HRUSSES BEOURE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RETER TO BCSI (BUILDING COMPORED SAFETY INFORMATION), PUBLISHED BY TPT (TRUSS PLATE HESTIDIE, 218 MORTH LEE STREET, SUITE 112, ALEXANDRIA, VA, 2213) AND NICA (MODD TRUSS COUNCIL OR AMERICA, 6300 ERRIERPESTS LANE, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OFHERIUS INDICALED FOR CORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTON CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTON CHORD SHALL HAVE Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)

IMPORTANT FIRMING A COPY OF THIS DESIGN 10 THE INSTALLATION CONTRACTOR. ITM NGG. THE, SMALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE IRMSS IN CONTONNACE MITH IP: OR FABRICATING, IMMULIGG. SHIPPING, INSTALLING A BRACHEG OF TRUSSES. WATAPA, AND TPI. THE DESIGN CONFIDENCE WITH APPLICABLE PROPUSIONS OF HOS (INATIONAL DESIGN SPEC, BY ATAPA) AND TPI. ITM NGG CONNECTION FRIES ARE MADE OF Z07/281/260A, VLMLSSS OTHERNISE (INATIONAL DESIGN SPEC), BY ATAPA, AND TPI. THE NEET AND OF Z07/281/260A, VLMLSSS OTHERNISE (OCATED ON THIS DESIGN, POSITION FER DRAWHINGS 160A-Z. ANY INSPECTION OF FLATES FOLLOWING BY (1) SHALL BE PER ANNEX AS OF TPI1-Z002 SEC.3. A SCAL ON THIS DESIGN SHOWN. THE SULFALLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUSS COMPONENT DESIGN SHOWN. THE SULFALLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

ITW Building Components Group Inc. Haines City, FL 33844 FL CC 78

ALPINE

00 GOUBLAS FLE STONAL ENGINEE lo. 66648 60 BC DL BC LL DUR.FAC. TC DL TC LL SPACING TOT.LD. FL/-/4/-/-/R/-20.0

10.0 24.0" 1.25 40.0 10.0 0.0 PSF PSF PSF PSF JREF -FROM SEQN-DATE HC-ENG DRW HCUSR8228 09174111 1TSR8228Z04 JB/DF 06/23/09 62861

PSF

REF

R8228-=.25"/Ft.

66837

Scale

1.5X4 W 3X4# (2) 4×4≡ (A) 3X4// 1.5X4 //

1-4-0 V0 R=1136 U=102 W=3.5" RL=184/-184 12-6-14 25-1-12 Over 2 Supports 12-6-14

3X4(A1) =

3 X 4 ≡

3 X 4 ≡

3 X 4 ≡

3X4(A1) =

1.4 0.4 0.4

REFER TO BOSI. (UNILIDING COMPONENT SAFETY HEFORNATION), PHULISHED BY TEL (TRUSS PLATE INSTITUTE, ZIB NOUTH LEE STREET, SHITE 375. ALEXANDRIA, VA. ZZ314) AND MICA (MOOD TRUSS COUNTIES OF AMERICA, 6000 CHREMUSE LAME, MADISON, MI. \$3719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OFMERMUSE HIDSCAFED TO THE CHEEN SAKL MAKE PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTON CHORD SHALL MAKE A PROPERTY ATTACHED REGID CELLING. FT/RT=10%(0%)/0(0) INSTALLING AND BRACING.

Design Crit: FBC2007Res/TPI-2002(STD)

8.07

R-1136 U-102 W-3.5"

CENS

TC LL

20.0 10.0 PSF

PSF

DATE REF

06/23/09

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

Scale = .25"/Ft. R8228- 66838

No. 66648

PLT TYP.

Wave

IMPORTANTFURNISH 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 BOILD THE FRUSS IN CONTORMANCE WITH IP: OR FAREIGNATING, ANALITION, SHIPTING, INSTALLING & SHACLES OF TRUSSES.

DESIGN CONTORNS WITH APPLICABLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY AFRA) AND TRIT. ITH RCG CONNECTOR TLAITS, ARE MOSE OF 20/18/166A (M. 18/58/), ASTH MOSS GANDE 00/60 (M. K/M.5S) GALV. STEEL, APPLY PLAIES TO EACH FACE OF TRUSS AND, URLES OTHERMISE LOCATED ON THIS DESIGN. POSITION PER DEACHINGS 160A-A. ANY INSPECTION OF PLATES FOLIOHED BY (1) SHALL BE FER MIRES AS OF TRIT-ZOOS EC.3. A SEAL ON THIS DEACHING OF PLATES FOLIOHED BY (1) SHALL BE FER MIRES AS OF TRIT-ZOOS EC.3.

ITW Building Components Group Inc. Haines City, FL 33844 FL CC 78

ALPINE

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMP BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2. ANNEX A3 OF TPI3-2002 SEC.3. A SEAL ON THIS RING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT ONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

60,

DUR.FAC.

FROM

TOT.LD.

40.0 1.25

SEQN-

62866

HC-ENG JB/DF

SPACING

24.0"

JREF -

1TSR8228Z04

BC LL BC DL TC DL

10.0 PSF 0.0 PSF PSF

DRW HCUSR8228 09174089

PLT TYP. In lieu of structural panels use purlins to brace all flat TC 24" OC. 110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf, Iw-1.00 GCpi(+/-)=0.18 Top chord 2x4 SP #2 Dense Bot chord 2x6 SP SS Webs 2x4 SP #3 SPECIAL LOADS ITW Building Components Group Inc. .94, 13.94 From FL CC 170 78 From From 1511 LB (LUMBER ALPINE Wave ER DUR.FAC.=1.25 63 PLF at 0.00 63 PLF at 5.25 63 PLF at 10.75 20 PLF at 0.00 3X10(B3) =Conc. R=5996 U=473 W=3.5 Load at 0.00 5.25 10.75 0.00 BE RESPONSIBLE FOR ANY DEVIATOR FROM THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE RGG, INC. SHALL NOT UP: OR FARRICATING, MANDLENG, SHIPPHON, INSTALLING & ROACHON OF RUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BDS (MATIGNAL DESIGN SPEC, BY ATAMA) AND TPI. THE RGC CONNECTION PLATES ARE MADE OF ZOJAPJOKA, CHINSAY, ASTH MASS GRADE 40/60 (M. K.M.SS) GAAV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS. AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, PORTITION OF BO ADVISIONS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, PORTITION OF BO ADVISIONS. **WARNING** TRUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RETER TO BCST. (QUILDING COMPORENT SAFETY INFORMATION), PORLISED BY PFF (FRUSS PLATE INSTITUTE, 228 MORTH LEE STREET, SUITE 317, ALEXANDRIA, VA, Z2314) AND NICA (MODED TRUSS COUNCIL OF AMERICA, 6300 ERREPORTS LOUIS, MAISSON, MI SS719) FOR SAFETY PRACTICES PRIOR TO PERFORMENC THESE FRUCTIONS. UNLESS OBTHERMISE HOLGAND SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED REGION CELLING. DESIGN SHOWN. THE SUITABILITY AND BUILDING DESIGNER PER ANSI/TPI 1 SEC. PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERHI ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY 1.94 to to to PLATE 5-3-0 FE DUR.FAC.=1.25)
63 PLF at 5.25
63 PLF at 10.75
63 PLF at 16.00
20 PLF at 16.00
3.94, 5.94, THE SULTABILITY AND USE OF THIS COMP R PER ANSI/TPI 1 SEC. 2. Design Crit: FBC2007Res/TPI-2002(STD) 5.25 10.75 16.00 16.00 7.94, 3X9 III 5 X 8 = 9.94 FT/RT=10%(0%)/0(0) 0 -16-0-0 Over 2 Supports PII-2002 SEC.3. A SEAL ON THIS SILLITY SOLELY FOR THE TRUSS COMPONENT BUILDING IS THE RESPONSIBILITY OF THE 1.5X4 III 3 X 7 ≡ -6-0 Wind reactions based on MWFRS pressures Bearing block to be same size and species as bottom chord. Refer to drawing CNNAILSP0109 for additional information. Bearing blocks: Nail type: 0.131"x3" Gun nails BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK 1 0.000' # 1 12" Nailing Schedule: (0.131"x3" Gun_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c. Deflection meets L/360 live and L/240 total load Use equal spacing between rows and stagger nails in each row to avoid splitting. COMPLETE 8.07.00 OU CENSE 3X9 III 5 X 8 = No. 66648 TRUSSES 60 REQUIRED BC LL BC DL DUR.FAC. TC DL TC LL SPACING TOT.LD. FL/-/4/-/-/R/--3-0 40.0 1.25 10.0 PSF 10.0 PSF 20.0 PSF 24.0" 0.0 Rigid Surface R-5912 U-467 W-3.5" 3X10(B3) = PSF PSF JREF -FROM SEQN-DATE REF HC-ENG DRW HCUSR8228 09174119 Scale =.5"/Ft. R8228- 66839 1TSR8228Z04 JB/DF 06/23/09 62993 9-0-0

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

Roof overhang supports 2.00 psf soffit load

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures

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

R=-30 Rw=18 U=29

0-6-15

R=14 U=4

9-0-0

4X4(B2) =





1-0-0 Over 3 Supports

R-209 U-27 W-3.5" RL-40/-36

Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)

PLT TYP. Wave

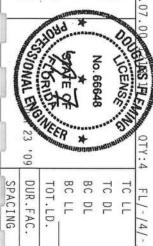
REFER TO BEST (MULLDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 2189 MOBIN LEE STREET, SUITE 313, ALEXANDRIA, VA. 22314) AND WIGA (ADOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPELSE (LARE, MODISON, MI 53719) FOR SAFETY PRACTICES DELOR TO PERFORMENT HESE FUNCTIONS. DRILESS OTHERWISE HOLDSCHEED FOR COMPONENT HESE FUNCTIONS. DRILESS OTHERWISE HOLDSCHEED SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE ω .07.00

IMPORTANT* UNBESTAN A COMP OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG. THE STALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPORANCE HITM THE TO REASONALIZE AND THE STALL THE THE TO RESERVE AND THE STALL THE STALL THE AND THE STALL THE STALL THE AND THE STALL THE STALL

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC 78



	9	58	R BC	≯	TC	
SPACING	DUR.FAC.	TOT.LD.		DL	DL	TC LL
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JREF - 1TSR8228Z04	FROM AH	SEQN- 62659	HC-ENG JB/DF	DRW HCUSR8228 09174112	DATE 06/23/09	REF R8228- 66841

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

Scale = .5"/Ft.

(9-131--BRYAN ZECHER Shallar

**

HJ79)

THIS DWG PREPARED FROM COMPUTER INPUT (LUADS & DIMENSIONS) SUBMITTED BY TRUSS MER.

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

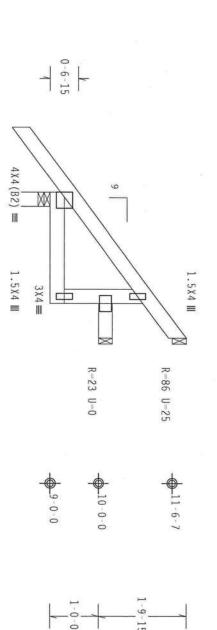
Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

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



★1 - 4 - 0 **★**

3-0-0 04e3-9 Supports8-8 R=246 U=5 W=3.5" RL=75/-48

Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)

PLT TYP. Wave

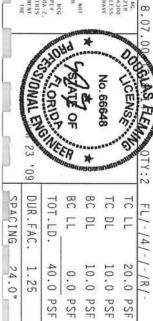
WARNING TRUSSES REQUIRE EXTREME CAME IN FARESCRATION, LINEAR LINE, SHIPPING, INSTALLING AND BRACING. RETER TO BOSS. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (FRUSS PLAKE INSTITUTE, 218 MORTH LEE STREET, SUITE 312, ALEXANDRIA, NA. 22314) AND STOK (MODD TRUSS COUNCIL OF AMERICA. 8300 ENERGIPELSE LANE, MADISON, MI. \$3219) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE LANE, MADISON, MI. \$3219) FOR SAFETY PRACTICES PRIOR TO PERFORMING THIS EMECTIONS. UNLESS OTHERWISE CHARLES AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED REGID REGID CELLING.

** IMPORTANT***URBISH A COPY OF THIS BESIGN TO THE INSTALLATION CONTRACTOR. THE BGG. INC. SHALL NOT BE RESPONSIBLE FOR ART DETYATION FROM HIS DESIGN AFF FAILURE TO BRAIL THE BRASS IN COMPORANCE WITH INTELLIGENCE PROVISIONS OF HIS DESIGN OF TRUSSES, W AFRAD, AND TELL THE BESTON ASSOCIATION AND THE BRANCH FOR THE BRANCH F

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL Ct 78



DATE

06/23/09

DRW HCUSR8228 09174090

JB/DF 62665 REF

R8228- 66843

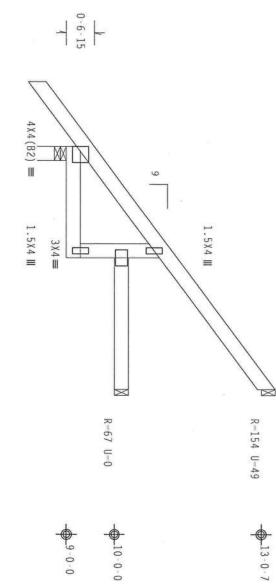
Scale =.5"/Ft.

HC-ENG SEQN-FROM /

JRFF-

1TSR8228Z04

Bottom chord checked for 10.00 psf non-concurrent live load Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 Roof overhang supports 2.00 psf soffit load. (9-131--BRYAN ZECHER Shallar J59T) Deflection meets L/360 live and L/240 total load Wind reactions based on MWFRS pressures 110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18 IHIS DWG PREPARED FROM COMPOTER INPUT (LUADS & DIMENSIONS) SUBMITTED BY TRUSS MER.



1-4-0 ✓ 2-3-8 -5-0-0 Over -8-8

W

Supports

R-322 U-0 W-3.5" RL-109/-60

Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)

PLT TYP. Wave

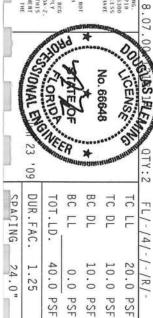
NORTH LEE STREET, SUITE 312, ALTXANDRIA, VA.
ENTERPRISE LABE, MADISON, UI 5379) FOR SA
OTHERWISE INDICATED OF CHORD SIAL HAVE PRO
A PROPERLY ATTACHED RIGID CELLING. *WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION.
REFER TO BOSI (BUILDING COMPONENT SAFETY INFORMATION). N. NI 53719) FOR SAFETY PRACTICES PRIDE TO PERFORMING THESE FUNCTIONS. UNLESS CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE . HANDLING. SHIPPING, INSTALLING AND BRACING.
PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218
TICA (4000 TRUSS COUNCIL OF AMERICA, 6300

IMPORTANT*UBBRISH A COPY OF THIS DESIGN TO THE INSCALATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESCONSINE FOR THE PROSENT OF THE PROPERTY OF THE PROPER AFKPA) AND IPI. ITH BCG , K/H,SS) GALV, STEEL, APPLY POSITION PER DRAWINGS 160A-Z

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER FER ANSI/TFI I SEC. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ARMEX A3 OF TPT1-ZI DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY

ITW Building Components Group Inc. Haines City, FL 33844 FL Ct 78

ALPINE



PSF PSF

HC-ENG JB/DF

DRW HCUSR8228 09174091

SEQN-

62670

PSF

Scale =.5"/Ft.

R8228- 66844

DATE REF

06/23/09

24.0" FROM JRFF- 1TSR8228Z04

Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #2 Dense :W2 2x4 SP #3:

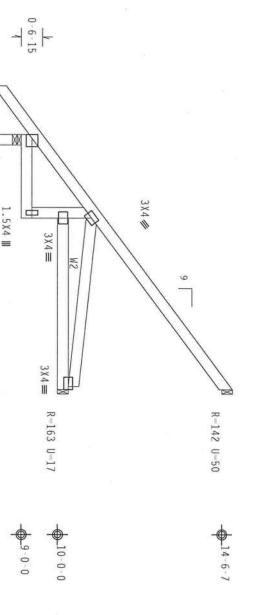
Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/)=0.18

Wind reactions based on MWFRS pressures

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





Γ1·4·0 ν

4X4(B2) =

RL-144/-72 R-403 U-0 W-3.5" 2-3-8 1 7-0-0 Over 3 Supports

Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)

QTY:3

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

Scale =.375"/Ft. R8228 - 66845

DATE REF

06/23/09

PLT TYP.

Wave

MORTH LEE STREET, SUITE 312, ALEXA ENTERPLISE LAME, MADISON, WI 537 OTHERHISE HOUGATED FOR CHORD SHAL A PROPERLY ATTACHED RIGID CELLING. 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. HINLESS BY TP1 (TRUSS PLAT TRUSS COUNCIL OF (TRUSS PLATE INSTITUTE, 218 UNLESS 8.07.00

BE RESPONSIBLE FOR ANY DEVALUEN FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPORANCE WITH PIT; ON PARTICIATION, MANULING, SHIPPING, INSAULING & BRACHER OF BUILDS IN COMPORANCE WITH DESIGN OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MIS (MATIONAL DESIGN SPEC, BY AFRA) AND FET. THE BCG CONNECTOR PLATES ARE MODE TO 70/19/16/AL HIJESSON, ASTA MCS. JORANE 40/60 (M. K.M. SS) GAAL STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNRESS HIMBRISE LOCATED ON THIS DESIGN, DOCTION DESIGN DOCTIONS OF MISS. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY

ITW Building Components Group Inc. Haines City, FL 33844 FL CC 78

DESIGN SHORM. THE SUITABILITY AND BUILDING DESIGNER PER ANSI/IPI 1 SEC

ALPINE



PSF

HC-ENG

JB/DF 62675

DRW HCUSR8228 09174092

FROM SEQN-

JREF -

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

Roof overhang supports 2.00 psf soffit load.

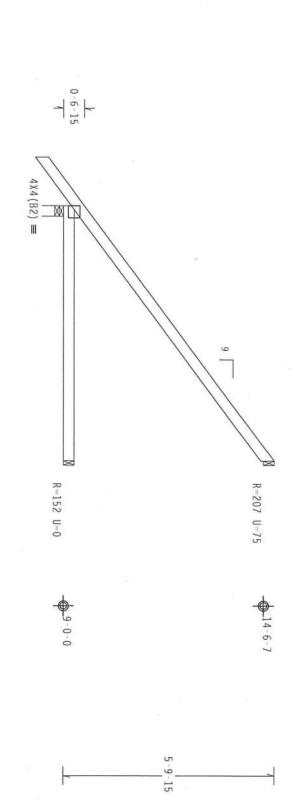
ij Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24" wide clearance.

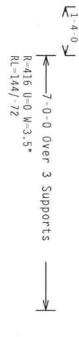
Deflection meets L/360 live and L/240 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load





Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP.

Wave

RETER TO BOSS! (BUILDING COMPONENT SAFETY INFORMATION), PHULSHED BY TET (BUSS PLATE INSTINUTE, 218 MORTH LEE STREET, SUITE 312, ALEXANDRA, VA, Z2134) AND WITCA (1000 TRUSS COUNCIL OF AMERICA, 6300 ERRESPORTED TO THOSE FUNCTIONS. BY THE STREET, SUITE 312, ALEXANDRA, VA, Z2134) AND WITCA (1000 TRUSS COUNCIL OF AMERICA, 6300 ERRESPORTED TO THOSE FUNCTIONS. BY THE STREET SAFETY PRACTICES PRIOR TO PERFORMENT HISE FUNCTIONS. BY THE STREET SAFETY SAFETY

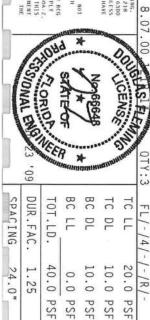
IMPORTANT**URBISH A CODY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN THE TAILURE TO BUILD THE TRUE
PI: OR FABRICATION, NAMBLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, WAS
DESIGN COMPORES WITH APPLICABLE PROVISIONS OF THOS (RATIONAL DESIGN SPEC, BY ARE
CONNECTED PLATES ARE MADE OF 70/19/16A(NH/15X)A) ASTH ASSA GRADE 40/60 (N, K)
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERMISE LOCATED ON THIS DESIGN, POSS
ANY IMSPECTION OF PLATES ORLOHOUS BY (1) SHALL BE PER ANDEX AS OF PIL-7002 SEC
BUANTING INDICATES ACCEPTANCE OF PROFISSIONAL ENGINEERING RESPONSIBILITY SOLEL
BEGGIN SIGNAL. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH A BRACING OF TRUSSES. AFAPA) AND IPI. ITW BCG K/H.SS) GALV. SIEEL. APPLY 90SITION PER DRAWINGS 160A-Z

DESIGN SHOWN. THE SUITABILITY AND BUILDING DESIGNER PER ANSIZEPT I SEC P PLATES TOLLOWED BY (1) SHALL BE PER ANNEX AS OF TP11-2002 SEC.3 A SEAL ON THIS S. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

ITW Building Components Group Inc. Haines City, FL 33844 FL CC 78

ALPINE



PSF

SEQN-

62679

HC-ENG JB/DF

DRW HCUSR8228 09174113

FROM

JREF - 1TSR8228Z04

PSF

Scale =.375"/Ft. R8228- 66846

DATE REF

06/23/09

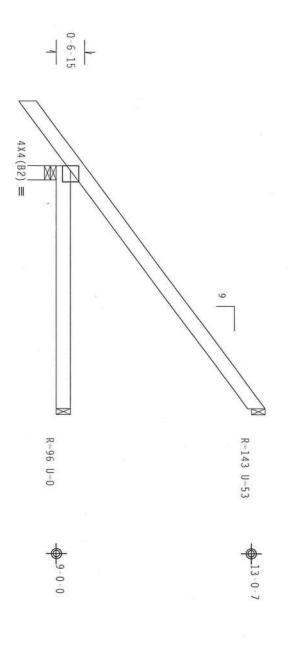
Roof overhang supports 2.00 psf soffit load

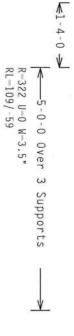
Bottom chord checked for 10.00 psf non-concurrent live load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures

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





Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)

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

R8228- 66847

06/23/09

PLT TYP. Wave

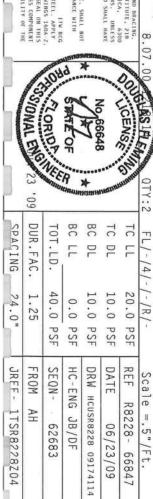
ENTERPRISE LANE, MADISON, NT 537 OTHERNISE INDICATED TOP CHORD SHAL A PROPERLY ATTACHED RIGID CEILING. OURSE EXTREME CAME IN FARRICATION. HUANDLING. SHIPPING, INSTALLING AND BRACING.
G. CHROMORINI SARETY LUCORRATION), POUR LISHED WE THE LEWIS FAME INSTITUTE, 219.
312. ALEXANDRIA, VA. 22314) AND WICA, (MOOD TRUSS COUNCIL OF AMERICA.
(A. M. \$35719) FOR SAFETY PRACTICES PRIBET OF PREVIOURS. HURSE FUNCTIONS. HURSES
CHORD SHALL HAVE PROPERTY ARTICALES REQUIRANT PARELS AND HOTTON CHORD SHALL HAVE SE 8.07.00

IMPORTANTTURNISH 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 THUSS IN COMPONANCE WITH IP: OR FAMBLICATION, AND THIS CONTROL INSTALLATIONAL DESIGN SPEC, BY AFRINA AND THIS DESIGN. DESIGN CONTROL OF THE APPLICABLE PROVISIONS OF HOS (MATIONAL DESIGN SPEC, BY AFRINA) AND THIS HE CONTROL OF THE APPLY AND THE SET OF A PRICE AN

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC 78



JB/DF 62683

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

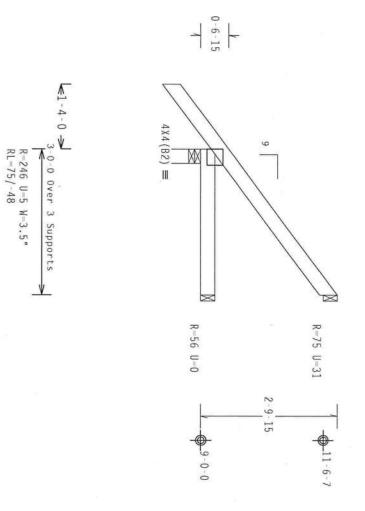
Roof overhang supports 2.00 psf soffit load

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

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



RETER TO BOST (MULTING COMPONENT SAFETY INFORMATION), HANDLING, SHIPPING, INSTALLING AND BRACING, BETTER TO BOST (MULTING COMPONENT SAFETY INFORMATION), PUBLISHED BWY FOR (TRUSS PLATE INSTITUTE, 228 MORTH LEE STREET, SHITE 313, ALEXANDRIA, VA, 22314) AND GITA (ADOD TRUSS COUNCIL OF AMERICA, 6300 ERISENDESS LANE, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OFHERHISE INFORMATION FOR THE SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0) ω

PLT TYP. Wave

IMPORTANTQUENTS! A CORP OF THIS DESIGN: NOT THE INSTALATION CONTRACTOR. THE NGG., HG. SHALL NOT RESPONSIBLE FOR ANY DEPLATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN COMPORMANCE WITH THE THIS OF SHEATER OF TRUSSES.

DESIGN CONNECTED FACES, AND LUKE, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTOR FLACES ARE MODE TO ZOTATIONAL OF SHOW SPEC, BY AFAPA) AND TPI.

CONNECTOR FLACES ARE MODE TO ZOTATIONAL OF SHOW SPEC, BY AFAPA AND TRIEL, APPLY PLATES TO EACH FACE OF TRUSS AND. DRIESS OTHERISE LOCATED ON THIS DESIGN, POSITION PER BOANINGS 160A-7.

ANY TREFECTION OF PLATES TRILOWED BY (1) SHALL BE PER ANKEX AS OF TPI1-2002 SEC,3.

ANY TREFECTION OF PLATES TRILOWED BY (1) SHALL BE PER ANKEX AS OF TPI1-2002 SEC,3.

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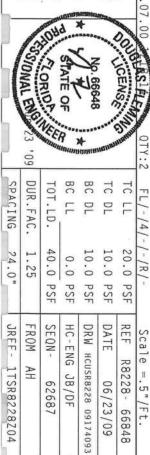
ANY TREFECTION OF PLATES TRILOWED BY (1) SHALL BE PER ANKEX AS OF TPI1-2002 SEC,3.

ANY TREFECTION OF PROFESSIONAL REGIREE HIS RESPONSIBILITY SHELY FOR THE TRUSS COMPONENT DESIGN SHOWN.

THE SHITMALITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSIZIPE SEC. 2.

ITW Building Components Group Inc. Haines City, FL 33844 FL CC 78

ALPINE



JB/DF 62687

1TSR8228Z04

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

R8228- 66848

06/23/09

Bot chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense Webs 2x6 SP #2 :W2 2x4 SP

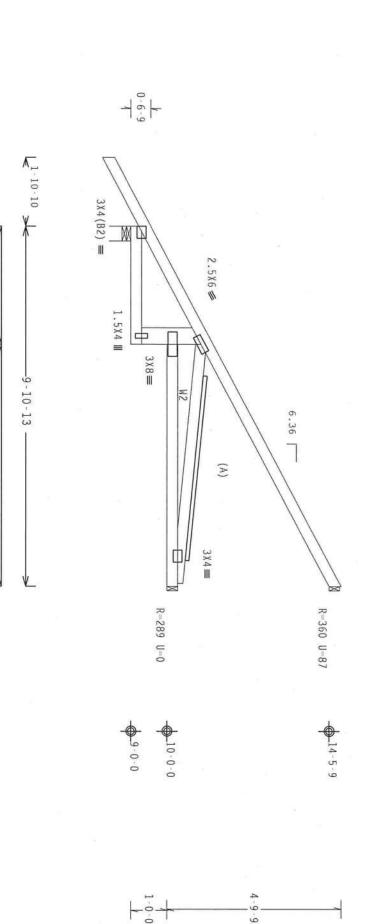
(A) $1x4\ \#3SRB\ SPF-S$ or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6"0C.

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

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

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



Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)

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

Scale =.375"/Ft. R8228- 66849

DATE REF

06/23/09

HC-ENG

JB/DF 62706

DRW HCUSR8228 09174122

R-452 U-43 W-4.95"

3-2-14

-9-10-13 Over

3 Supports

6-7-14

PLT TYP. Wave

REFER TO BOSS (QUILOUNG COMPONENT SAFETY INFORMATION, HANDLING, SHIPPING, INSTALLING AND BRACING, NORTH LEE STREET, SUITE 312. ALEXANDRA, WAS 223-10) AND WITCH QUOOD THANS COUNCIL OF AMERICA, 6300 ENTERPRISE LAME, MADISON, MI 52719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TO COUND SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE 00

** IMPORTANT** "BURNESS A CORP OF THIS DESIGN: NO THE TRESPAINTED CONTRACTOR. THE RCC. HIC. SHALL NOT BE REPORSIBLE FOR ANY OCYTATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONTORNACE HITH PI: OR FARRICATING, HARDLING, SHIPPING, HESPALLING A BRACING OF TRUSSES.

DESIGN CONFIDENCE HIT APPLICABLE PROVISSIONS OF HOS (MALIDONAL DESIGN SPEC, BY AEAPA) AND THI. OCHECO OF TRUSS AND. DULLES OF HOS (MALIDONAL DESIGN SPEC, BY AEAPA) AND THIS CONTROL OF TRUSS AND. DULLES OF HIRPS GRADE GRADE OF OR K.P., ASS, AGAY. STEEL APPLY PLATES TO EACH FACE OF TRUSS AND. DULLES OF HIRPS CONTROL OF HIR DESIGN, DESIGN, DESIGN, DESIGN DESIGN OF PACHES OLIGIBED WILLIAMS OF HIR SECONDAL OF PACHES OLIGIBED WILLIAMS OF PROPERSONAL OF PROPERSONAL THE SUBMALITY AND DESIGN SHOWN.

THE SUBMALITY AND DUE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGN PRA ANSIZIPE IS SEC. 2.

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COUBLES ITE CENS No. 66648 09 BC LL BC DL TC DL DUR.FAC. SPACING TOT.LD. TC LL 40.0 20.0 24.0" 1.25 10.0 PSF 10.0 PSF 0.0 PSF PSF PSF

> FROM SEQN-

JREF -

(9-131--BRYAN ZECHER Shallar --(J1)

IHIN DWG PREPARED FROM COMPUTER INPUT (LUADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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

Roof overhang supports 2.00 psf soffit load

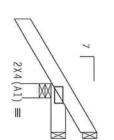
Bottom chord checked for 10.00 psf non-concurrent live load.

Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

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

R--42 Rw-21 U-34







R=8 Rw=11 U=10



Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)

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

Scale =.5"/Ft.

R8228- 66850

DATE REF

06/23/09

DRW HCUSR8228 09174115

JB/DF 62971

PLT TYP.

Wave

RETER TO BEST (MULLIDING COMPONENT SAFETY IMPORATION), HANDLING, SHIPPING, INSTALLING AND BRACING.

RETER TO BEST (MULLIDING COMPONENT SAFETY IMPORNATION), PUBLISHED BY TET (THUSS PLATE INSTITUTE 2.08

MORTH LEE STREE, SHITE 313, ALEXANDRAN, VA. 22319) AND HICKA (ADODD TRUSS COUNCIL OF AMERICA, 6300

ENTERPRISE (ADLEAN, MAISSON, MI 52319) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OTHERWISE (MOLECATED FOR CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE
A PROPERTY ATTACHED REGID CEILING. 8.07.00

IMPORTANT* URBHISH A COPY OF THIS DESIGN: ANY FAILUNE TO ORDERATOR. THE BCG. HC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILUNE TO BUILD THE TRUSS IN COMPORANCE WITH PICE OR FARBLICATION, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFIDENCE AND THE PROPERTY OF THE ANY FAILUNE TO BE THE TRUSSES AND THE CALLE PROVISIONS OF MOS (MATIONAL DESIGN SPEC, BY AFRA) AND THIS CONFIDENCE OF TRUSS AND THE SECOND SPECE ANY FOR THE APPLY DALTES TO EACH FACE OF TRUSS AND. URLESS OTHER SECONDS DAME GOOD SECOND THE BORNAMOS TOWN TO THE SECOND OF PACES TRUSS AND THE SECOND OF PACES TRUSS AND THE SECOND SECOND OF PACES TRUSS OF PROFESSIONAL REGIREEFING RESPONSIBILITY SHELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SULFABILITY AND UNE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUSING THE BUSING OF THE SECOND SECO

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC 78



PSF

FROM SEQN-HC-ENG

JREF -

HIS DWG PREPARED FROM COMPUTER INPUT (LUADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense

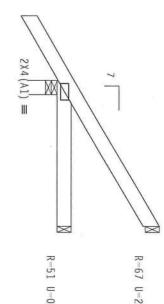
Roof overhang supports 2.00 psf soffit load

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT-II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



R=67 U=21

₩10-9-13



Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)

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

Scale =.5"/Ft.

R8228- 66852

DATE REF

06/23/09

DRW HCUSR8228 09174094

JB/DF

62975

PLT TYP.

Wave

RETER TORKS! (MULTOTHS COMPONENT SAFETY INFORMATION), HANDLING, SHIPPING, INSTALLING AND BRACING, METH ILE STREET, SUITE 312. ALEXANDRIA, VA. 223.14) AND WICK, QUOOD TRUSS COUNCIL OF AMERICA, 6300 ENTREPRESE LAME, ANDISON, HI 52719) FOR SAFETY PRACTICES PRIOR TO PERFORMED HILES FUNCTIONS. UNLESS OFFICERISE INDICATED TO PERFORM HIS LIKE, ANDISON, HI 52719) FOR SAFETY PRACTICES PRIOR TO PERFORMING HIESE FUNCTIONS. UNLESS OFFICERISE INDICATED TO PERFORM HIS LIKES. 00

BE RESPONSIBLE FOR MAY DEVIATION ROOT THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW DCG, INC. SHALL NOT THE TELES IN CONFORMANCE WITH TPI: OR FABRICATING, HAND LURG, SHIPPING, HISALLING A BRACLING OF TRUSSES, DESIGNS CONFORMS WITH APPLICABLE PROPYISIONS OF SHOS (MATIONAL DESIGN SEC, BY MEMO) AND TPI. ITW DCG CONNECTOR PLAITS AND HADE OF 20/18/166A (M.H./SS/N) ASTM A653 GRADE 40/50 (M. K/M.SS) GALV. STEEL, APPLY PLAIES TO EACH FACE OF TRUSS AND. HILESS OFFERSHES LOCATED ON THIS DESIGN, POSITION PER DRAWHORS 160A-Z. ANY INSPECTION OF PLAITS FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPIL-2002 SEC. 3

BUILDING DESIGNER PER ANSI DRAHING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC 78

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

JREF -FROM SEQN-HC-ENG

1TSR8228Z04

THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE 02 SEC.3. A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT

chord 2x4 SP chord 2x4 SP #2 Dense #2 Dense

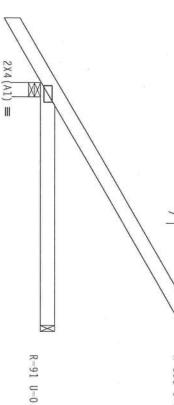
Roof overhang supports 2.00 psf soffit load

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



R-131 U-39

▲1-4-0 **▲** R-320 U-15 W-3.5" RL-85/-36 -5-0-0 Over 3 Supports

Design Crit: FBC2007Res/TPI-2002(STD)

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

Scale =.5"/Ft.

R8228- 66853

DATE REF

06/23/09

DRW HCUSR8228 09174116

JB/DF 62979

PLT TYP.

Wave

REFER TO BOSY (BUILDING COMPONENT SAFETY INFORMATION), PARELING, SHIPPING, INSTALLING AND BRACING, MOBIN LEE SIREE, SUITE 317, ALEXANDRA, VA, ZEJAJO AND WIZA, (MODO TROSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING HISS FUNCTIONS. BULLSS OTHERWISE HOUSEAUTO TO GOODS SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE ω

IMPORTANT* URBERSH A COPY OF THIS DESIGN TO THE TESTALATION CONTRACTOR. THE BGG, HEC. SHALL HIS THE TESTORS HE TENDS IN CONTORNACE WITH HE RESPONSABLE TOE ANY PALLER TO BUILD HE TENDS IN CONTORNACE WITH PET OR FARE CALLED AND THE LESSAL HES AREALES OF TENDS IN CONTORNACE WITH A PRILICABLE PROFISIONS OF HOS (MATIENAL DESIGN SPIC. BY METALA, AND TPI.

URSIGN CONTORNS WITH A PRILICABLE PROFISIONS OF HOS (MATIENAL DESIGN SPIC. BY METALA, AND TPI.

CONNECTOR PLATES ARE MODE OF 20/18/166A (M.1/SS/R) ASTH MGS. GAME 40/60 (M. F.). SS) GALLE STEEL. APPLY

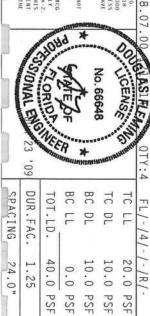
CLAIFS OF EACH FACE OF TRUSS AND, URLESS OFFICHERED BY THE DESIGN, POSITION FER DRAWINGS MADE AND THE SPICELO OF PLATES FILLOWED TO SHALL BY THE MODEL AS OFFICER OF THE SPICELO OF PLATES FILLOWED TO SHALL BY THE PLATE AND THE SPICELO OF PLATES FILLOWED TO SHALL BY THE PLATE AND THE PLATE FILLOWED THE BRANCH BY THE PLATE OF THE PLA

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2: DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERIN FOR ANY BUILDING IS THE RESPONSIBILITY OF THE 02 SEC.3. A SEAL ON THIS SOLELY FOR THE TRUSS COMPONENT

ITW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC 78



40.0 1.25 24.0" 0.0 PSF PSF

JREF -FROM SEQN-HC-ENG

(9-131--BRYAN ZECHER Shallar

BM)

HIS DWG PREPARED FROM COMPUTER INPUT (LUADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Bot SPECIAL LOADS t chord 2x4 SP t chord 2x4 SP Webs 2x4 SP #2 Dense #2 Dense #3

-- (LUMBER DUR.FAC.-1.25 / PLATE DUR.FAC.-1.25)
From 98 PLF at 0.00 to 98 PLF at 10.94
From 30 PLF at 0.00 to 30 PLF at 10.94
100 LB Conc. Load at 0.00

Wind reactions based on MWFRS pressures. Left end vertical not exposed to wind pressure. 2X4 III

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 0.00'

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

(A) continuous lateral bracing, equally spaced on member.

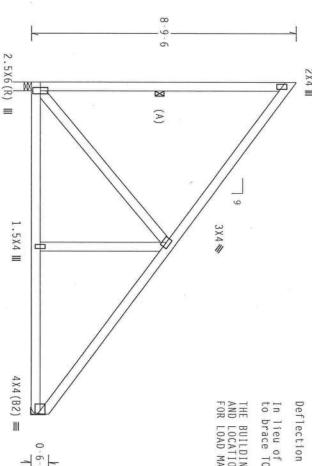
Bottom chord checked for 10.00 psf non-concurrent live load

Trusses to be spaced at 36.0" OC maximum

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

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.

BUILDING DESIGNER SHALL EVALUATE LOCATIONS. THE TRUSS ENGINEER IS LOAD MAGNITUDES AND LOCATIONS. AND APPROVE LOAD MAGNITUDES NOT RESPONSIBLE



10-11-4 Over 2 Supports

R-794 U-85 W-3.5" RL=100/-188

w/ (2) 10d Common, 0.148"x3.0" nails in Truss w/ (4) 10d, 0.148"x1.5" nails in Girder Girder is (1)2X0 min. (H) R-701 U-75 H-Simpson LUS24 Ξ

Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)

PLT

TYP.

Wave

WARNING INUSSES REQUIRE EXTREME CARE IN FARRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, RELER TO BEST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPT (TRUSS PLATE INSTITUTE, ZUB HORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, Z2314) AND WICA (MOND TRUSS COUNCIL OF AMERICA, 6300 ERIFERPASS LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PEFFORMING THESE FINCTIONS, UNLESS OTHERWISE INDUSTALED FOR COMED SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PARELS AND BOTTOM CHORD SHALL HAVE

IMPORTANT TRUBUSE A COPY OF THIS DESSIGN TO THE BESTALATION CONTRACTOR. THE ROLE, INC. SHALL NOT BE RESPONSING LORGAN THAT DESCRIPTION OF THIS DESCRIPTION CONTRACTOR. THE ROLES IN COMPONENCE WITH PRICE OF ASSELLATION. AND THIS DESCRIPTION OF THIS DESCRIPTION OF THE ROLES IN COMPONENCE PROPERTY OF THE PRICE OF THE ROLE OF THE ROLE OF THE PROPERTY OF THE PRICE OF THE ROLE OF THE PRICE OF TH DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING

TW Building Components Group Inc.

ALPINE

Haines City, FL 33844 FL CC 78

BUILDING DESIGNER PER ANSI



PSF PSF

PSF

REF

Scale =.3125"/Ft. R8228- 66855

DATE

06/23/09

DRW HCUSR8228 09174118

JB/DF 62813

PSF

SEQN-HC-ENG

FROM

JREF -

1TSR8228Z04

THE SUITABILITY AND USE OF THIS COMPONENT FOR R PER ANSI/TPI 1 SEC. 2. OF TPIT-2002 SEC.3. A SEAL ON THIS ONSIBILITY SOLELY FOR THE TRUSS COMPONENT ANY BUILDING IS THE RESPONSIBILITY OF THE

CLB WEB BRACE SUBSTITUTION

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

NOTES:

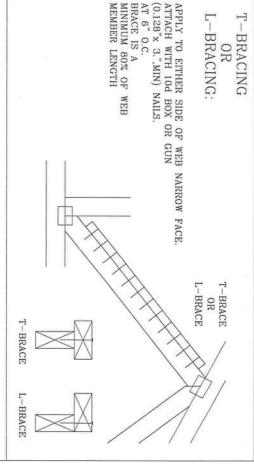
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

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

	2X4 2X6 2X6	1 ROW 2 ROWS 1 ROW		0 0 0 0	2X6 2X8 2X8
	2X4 2X6	1 ROW 2 ROWS		2X4 2X4	2X3 OR 2X3 OR
VE BRACING SCAB BRACE	ALTERNATIVE BRACING T OR L-BRACE SCAB BR	SPECIFIED CLB BRACING	SPE	SIZE	WEB M

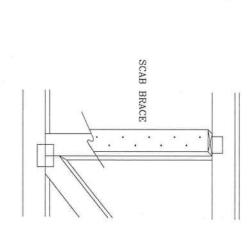
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

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



SCAB BRACING:

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





Earth City, MO 63045

****galling**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
Trunces require extreme care in fabricating, handling, ahlpping, installing and bracing. Refer to and follow
processes require extreme care in fabricating, handling, ahlpping, installing and bracing. Refer to performing
processes from the state of the provide temporary bracing per BCSI. Glass moted otherwise, top chard
the functions, installers shall provide temporary bracing per BCSI with the properly advanced structural bands and bottom chord shall have a properly advanced structural panels and bottom chord shall have bracing installed per BCSI
cellulars brown for permanent lateral restrant of weak shall have bracing installed per BCSI
sections B3 & B7. See this job's general lateral restrant of weak shall be bracing installed per BCSI
sections B3 & B7. See this job's general lateral per for more information.

HEPGETANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.
IT Building Components Group Inc. (ITREGC) shall not be responsible for any deviation from this design any failure to build the truss in conformance with TPI, or fobricating, handling, shipping, installing & breing of trusses. ITHECC connector plates are made of 20/18/166A (W.H/S/K) ASTM MSS great 37/40/50 (W.W/H.S) pair, steel. Apply plates to each face of truss, positioned as shown above and on doint betains. A send on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The subtability and use of this component for any building is the responsibility of the Building besigner per ASST/TPI 1 Sec. 2.
TH-BCC, www.isbeag.com. TPI: www.yinsta.com. WTCA: www.sbeindustry.com. ICC. www.iccsude.org



TE OF : CO	*	o z z z z z z	ENS	SFLE		
SPACING	DUR. FAC.	TOT. LD.	BC LL	BC DL	TC DL	
		PSF	PSF	PSF	PSF	
				DRWG	DATE	REF
				BRCLBSUB0109	1/1/09	CLB SUBST.

DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14". DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. MAX **GABLE** VERTICAL LENGTH IN TABLE ABOVE. SPACING | SPECIES 16" 12" O.C. O.C. O.C. ASCE GABLE VERTICAL CONNECT SPF SPF SPF DFL DFL SP SP H ~2 SHOWN -05: STANDARD #1 / #2 STANDARD STANDARD STANDARD STANDARD STANDARD #1 / #2 GRADE STUD STUD STUD #3 #3 #3 #3 #3 BRACE 110 GABLE TRUSS NO BRACES 4. 5 5 5 5 4 4 4 11 0 0 0 9 9 4, 4, 5, 6, 4 6 9. MPH 2X4 STUD. #3 OR BETTER DIAGONAL BRACE; SINGLE GROUP A (1) 1X4 "L" BRACE • OR DOUBLE CUT (AS SHOWN) AT ත් බ හ හ හ න් ස් ස් ස් වේ WIND GROUP B 9, 9, 1, 7 7 7 5 SPEED, 6 දි 1" ~ a a GABLE GROUP A (1) 2X4 "L" BRACE * 9,10,10, 9,10 0 8 00000 70 E STUD GROUP B 9.10.10 9 10 10 8 MEAN HEIGHT, ENCLOSED, I 0 ABOUT E (2) 2X4 "L" BRACE ** GROUP A 9' 5" 2X4 #2N OR BETTER GROUP B 9' 11' 10,10,11,9 12 **(** 00 00 (1) 2X6 "L" BRACE • GROUP A GROUP B 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 12: 5 14 0" 0 0 0 **D** 112: 111 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114: 0 0 114 14 0 2 2 2 0 0 0 0 (2) GROUP A GROUP B 11 14' 0" 14' 0" 2X6 "L" BRACE ** 1.00, 0 0 0 0 0 0 0 0 0 EXPOSURE 0 ATTACH EACH "L" BRACE WITH 10d NAILS.

(0.188 x3" min)

(0.188 x3" min)

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

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

*** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. GABLE END SUPPORTS LOAD FROM 4' 0" LIVE LOAD DEFLECTION CRITERIA IS L/240. MEMBER LENGTH BRACING PLYWOOD OVERHANG. GABLE TRUSS DETAIL NOTES: GROUP SPECIES AND GRADES: Ç Kzt 11



MIDPOINT OF VERTICAL WEB

REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH

CONTINUOUS BEARING

UPPER END.

Earth City, MO 63045

""*WARNIGO** READ AND FOLLOW ALL NOTES ON THIS SHEET!
Trusses require extreme over in fabricaling, handling, shipping, installing and bracing. Refer
PRSS (Building Component Safety information, by TPI and WTCA) for safety precises prior to 1
these functions installers shall provide temporary bracing per 853. Unless noted otherwise
shall have properly attached structural parens and bottom chord shall have a properly attached
sections. Locations shown for permanent laters! restraint of webs shall have bracing installed
sections 50.4 87. See this job's general notes page for more information. ing. Refer to and follow s prior to performing d otherwise, top chord perly attached rigid ig installed per BCSI

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this de any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing bracing of trusses. ITWBCG connector plates are made of 20/18/160A (% H/S/S/A ASSA grade 37 (K/W/HS) galv, steel. Apply plates to each face of truss, positioned as shown above and on Joint D A seal on this drawing or cover page indicates acceptance and professional engineering responsibility for the truss component design shown. The suitability and use of this component for any building 37/40/60 t Details. ty solely is the

E CORIOR No. 66648 09 ★ STATE OF * MAX. MAX. TOT. SPACING E. 60 24.0" PSF

> DRWG DATE REF

A11015050109 1/1/09

ASCE7-05-GAB11015

HEM-FIR	#3	STUD 3 UD	SOUTH SOUTH	STANDARD ERN PINE
#3 STUD #3 SUTHERN SOUTHERN #3 STUD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD B:	SPRUCE-	SPRUCE-PINE-FIR	#2	HEM-FIR
GROUP B:	#3	STUD 'IR-LARCH 3	SOUTH S	STANDARD ERN PINE
	STAN	DARD	STA	NDARD
	STAN		UP B:	NDARD
#1 & BTR	STAN		UP B:	NDARD
#1 & BTR #1	STAN		UP B:	NDARD
#1 & BTR #1 SOUTHERN PINE DOUGLAS FIR-LARCH	STAN STAN	GRO HEA #1	UP B:	NDARD NDARD
#1 & 1	STAN	GRO HEM	UP B:	NDARD FIR—LAF

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD). OUTLOOKERS WITH 2' 0" OVERHANG, OR 12"

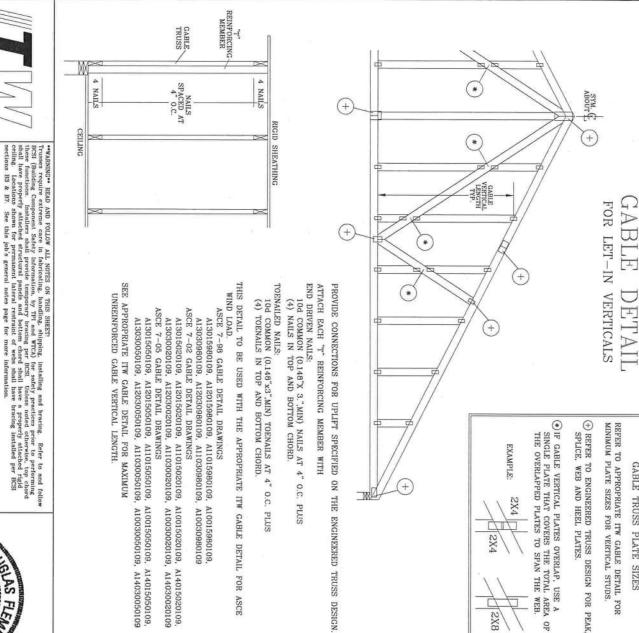
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB IN 18" END ZONES AND 6" O.C. BETWEEN ZONES

GREATER THAN 11' 6" 3X4	GREATER THAN 4' 0", BUT LESS THAN 11' 6"	LESS THAN 4' 0"	VERTICAL LENGTH	GABLE VERTICAL PLATE SIZES
	BUT			PLA'
3X4		-	NO SPLICE	TE SIZES

PEAK, SPLICE,

AND

HEEL PLATES.



GABLE TRUSS PLATE SIZES

"T" REINFORCEMENT ATTACHMENT DETAIL

"T" REINFORCING

"T" REINFORCING MEMBER

TOENAIL

OR

ENDNAIL

*) IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE THAT COVERS THE TOTAL AREA OF



2X8 TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" INCREASE BY LENGTH (BASED ON APPROPRIATE ITW GABLE DETAIL).

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

WEB LENGTH INCREASE W/ "T" BRACE WIND SPEED "T" REINF.

30 FT	90 MPH	15 FT	90 MPH	30 FT	100 MPH	15 FT	100 MPH	30 FT	110 MPH	15 FT	110 MPH	30 FT	120 MPH	15 FT	120 MPH	30 FT	130 MPH	15 FT	130 MPH	30 FT	140 MPH	15 FT	140 MPH	AND MRH
2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6	2x4	MBR. SIZE
30 %	20 %	20 %	20 %	40 %	10 %	30 %	20 %	50 %	10 %	40 %	10 %	40 %	10 %	50 %	10 %	50 %	10 %	50 %	10 %	50 %	10 %	50 %	10 %	INCREASE

EXAMPLE:

GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4 ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT, Kzt = 1.00 "T" BRACE INCREASE (FROM ABOVE) = 10% (1) 2X4 "L" BRACE LENGTH = 6' 7" MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH 1.10 x 6' 7" = 7' 3" = 1.10

No. 66648 * DUR. FAC.

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

DATE REF

GBLLETIN0109 1/1/09 LET-IN VERT

HAPORTAN* FIRMISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTION.

IT'S Building Components Group Inc. (ITTSEC) shall not be responsible for any deviation from this design.

IT'S Building Components Group Inc. (ITTSEC) shall not be responsible for any failure to build the truss in conformance with TPI, or fobricating, handling, shipping, installing & bracing of trusses. ITTSEC connector plates are made of 20/18/196A, (**M.1/5/*K) ASTM ASSM grade 37/40/60 (K.W.T.H.S) galv. steel. Apply plates to each face of truss, positioned as shown above and on donath Dealis. A sent on this drawing or cover page indicates acceptance and professional engineering responsibility society for the truss component for any building is the society of the truss component for any building is the society.

try.com; ICC: www.iccsafe.org

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ORIOP IN

SPACING DETAIL

AND STAGGER NAILING FOR TWO BLOCKS. REQUIRED TO AVOID SPLITTING. MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS GREATER SPACING MAY BE

BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

LOAD PERPENDICULAR TO GRAIN

A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS
OF NAILS (6 NAIL DIAMETERS)

B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)

C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

EDGE DISTANCE (6 NAIL DIAMETERS)

SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS) SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

MAY BE REDUCED BY THE AMOUNTS GIVEN -BELOW: ** SPACING MAY BE REDUCED BY 33% *** SPACING MAY BE REDUCED BY 33%

C** BLOCK LENGTH OF LOAD AND NAIL ROWS DIRECTION C ** LINE MEMBER -B/2* BLOCK LENGTH

LINE

C/2**

C**

LOAD	
APPLIED	
PERPENDICULAR	
TO	
GRAIN	

LOAD APPLIED PARALLEL TO GRAIN

D U D

WARNIG READ AND FOLLOW ALL NOTES ON THIS SHEFT
Trusses require extreme one in febricating, bandplag, shipping, installing a
RESI (Building Component Sefety Information, by TPI and WTCA) for safety
these functions. Installers shall provide temporary bracing per BCSI. Unit
shall have properly attached structural panels and bottom chord shall have
ceiling. Locations shown for permanent lateral restraint of webs shall have
sections B3 & B7. See this job's general notes page for more information cating, handling, shipping, installing and bracing. Refer to and follow mation, by TPI and WTCA) for safety practices prior to performing the temporary bracing per BCSL. Unless moted otherwise, top chord all panels and bettern chord shall have a properly attached rigid and lateral restraint of webs shall have bracing installed per BCSI.

ITW Building Components Group itse. (ITWECG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWECG connector plates are made of 20/19/19/EGA (WH/S/K) ASWA MSGS grade 37/40/60 (K/W/HS/S) galv, sited. Apply plates to each face of truss, positioned as shown above and on Joint Details A seal on this drawing or cover page indicates acceptance and professional engineering responsibility sold a sold on the drawing or cover page indicates acceptance and professional engineering responsibility sold as the drawing or cover page indicates acceptance and professional engineering responsibility sold as the truss component design shown. The suitability and use of this component for any building is the *IMPORTANT** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR 37/40/60 t Details.

MINIMUM NAIL SPACING DISTANCES

	DIS	DISTANCES		
NAIL TYPE	A	В*	C**	D
8d BOX (0.113"X 2.5", MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BOX (0.128"X 3.",MIN)	7/8"	1 5/8"	ಬೈ	1"
12d BOX (0.128"X 3.25", MIN)	7/8"	1 5/8"	స్త	Į,
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BOX (0.148"X 4.",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131"X 2.5", MIN)	7/8"	1 5/8"	₽.	1,"
10d COMMON (0.148"X 3.",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
12d COMMON (0.148"X 3.25", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
16d COMMON (0.162"X 3.5", MIN)	1'	ಸ್ತ	2 1/2"	1 1/4"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 2.5", MIN)	7/8"	1 5/8"	ಬ್ಬ	<u>,</u>
GUN (0.120"X 3.",MIN)	3/4"		1 7/8"	1,"
GUN (0.131"X 3.",MIN)	7/8"	1 5/8"	స్త్రి	1"



DATE REF DRWG CNNAILSP0109 1/1/09 NAIL SPACE

stry.com; ICC: www.iccsafe.org

Earth City, MO 63045

Notice of Treatment
Applicator: Floridà Pest Control & Chemical Co. (www.flapest.com) Address: 534 SE BAYA City Phone 752 1703
Site Location: Subdivision Lot # Block# Permit # 7966 Address / O / 8 SE WEEK N
Product usedActive Ingredient% ConcentrationPremiseImidacloprid0.1%
☐ Termidor Fipronil 0.12%
Bora-Care Disodium Octaborate Tetrahydrate 23.0%
Type treatment: Soil Wood
Area Treated Square feet Linear feet Gallons Applied
As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.
If this notice is for the final exterior treatment, initial this line
8-5-09 9:00 DAVID FULLER
Date Time Print Technician's Name
Remarks:
Applicator - White Permit File - Canary Permit Holder - Pink

Notice of Treatment
Applicator: Florida Pest Control & Chemical Co. (www.flapest.com) Address: 556 SE BAYA City LA KECITY Phone 152 1/05
Site Location: Subdivision Lot # Block# Permit # 27966 Address / D48 SE WEEKS
Product used Active Ingredient % Concentration □ Premise Imidacloprid 0.1%
Termidor Fipronil 0.12%
Bora-Care Disodium Octaborate Tetrahydrate 23.0%
Type treatment: Soil Wood Area Treated Square feet Linear feet Gallons Applied
As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval. If this notice is for the final exterior treatment, initial this line
Date Time Print Technician's Name
Remarks:
Applicator - White Permit File - Canary Permit Holder - Pink 10/05 ©