	oia County			PERMIT
APPLICANT LAWRENCE JONES	nit Expires One Ye	ear From the Date PHONE	of Issue 497-2639	000023836
ADDRESS 247 SW DELAWARE V	VAY	FT. WHITE		FL 32038
OWNER LAWRENCE JONES	-	PHONE	497-2639	
ADDRESS 247 SW DELAWARE V	VAY	FT. WHITE		FL 32038
CONTRACTOR OWNER BUILDER		PHONE	497-2639	
LOCATION OF PROPERTY 47S, TO 2	7, TL ON RIVERSIDE,	TL ON MONTANA, T	L ON DELAWA	ARE,
DOWN O	N RIGHT, MAILBOX V	WTH 247		
TYPE DEVELOPMENT SFD,UTILITY	EST	TIMATED COST OF C	ONSTRUCTION	67550.00
HEATED FLOOR AREA 1351.00	TOTAL ARE	EA _2503.00	HEIGHT	.00 STORIES 2
FOUNDATION CONC WALL	LS LOGS R	OOF PITCH 10/1	2 1	FLOOR SLAB
LAND USE & ZONING A-3		MA	X. HEIGHT	24
Minimum Set Back Requirments: STREET-	FRONT 30.00	REAR	25.00	SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE	х	DEVELOPMENT PER	EMIT NO.	
PARCEL ID 26-6S-15-01157-000	SUBDIVISION		-	
LOT 183 BLOCK PHASE	UNIT 18		200000 00000000000000000000000000000000	1.00
THASE	ONTI 18	S 101	AL ACRES	1.00
		Sh.) (.	
Culvert Permit No. Culvert Waiver Co	ontractor's License Numb	ber	Applicant/Owne	r/Contractor
EXISTING 02-0100-N	BK		IH) <u>Y</u>
Driveway Connection Septic Tank Number	LU & Zoning	g checked by Ap	proved for Issuar	nce New Resident
COMMENTS: ONE FOOT ABOVE THE ROAL	O, NOC ON FILE			
			Check # or C	Cash 340
FOR BUI	LDING & ZONING	G DEPARTMENT	ONLY	(footer/Slab)
Temporary Power	Foundation	m.1	Monolithic	(Iootei/Siab)
date/app. by		date/app. by		date/app. by
Under slab rough-in plumbing	Slab	1 (a) (b) (d) (a)	Sheathing	/Nailing
Framing date/app.	. by Rough-in plumbing abo	date/app. by	10	date/app. by
date/app. by	Rough-in plumonig abo	ve slab and below wood		date/app. by
Electrical rough-in	Heat & Air Duct		Peri. beam (Linte	
date/app. by		date/app. by	· em ceam (Eme	date/app. by
Permanent powerdate/app. by	C.O. Final	te/app. by	Culvert	Jana Jana
52 3	uai	crapp. by		date/app. by
M/H tie downs, blocking, electricity and plumbing			Pool	**
	date/app. b	•	Pool	date/app. by
Reconnectiondate/app. by	Pump pole	Utility Pol	e	date/app. by
Reconnection date/app. by M/H Pole Trave	Pump pole date/ap	Utility Pol	enemar s	date/app. by
	Pump pole date/ap	Utility Pol	e date/app. by	date/app. by
Reconnection date/app. by M/H Pole date/app. by Trave	Pump pole date/ap	Utility Pol	e date/app. by	date/app. by date/app. by
Reconnection date/app. by M/H Pole date/app. by Trave	Pump poledate/ap	Utility Polop. by E/app. by 12.52	e date/app. by Re-roof	date/app. by date/app. by
Reconnection date/app. by Trave	Pump pole date/ap el Trailer date CERTIFICATION FEE	Utility Polop. by E/app. by 12.52 FIRE FEE \$00	date/app. by Re-roof SURCHARGE	date/app. by date/app. by EFEE \$ 12.52 EFEE \$
Reconnection date/app. by Trave	Pump pole date/appel Trailer date CERTIFICATION FEE S ERT. FEE \$ 50.00	Utility Polop. by E/app. by \$ 12.52 FIRE FEE \$00 CULVERT FEE \$ _	date/app. by Re-roof SURCHARGE	date/app. by date/app. by EFEE \$ 12.52
Reconnection date/app. by Trave date/app. by Trave date/app. by BUILDING PERMIT FEE \$ 340.00 C MISC. FEES \$.00 ZONING C FLOOD DEVELOPMENT FEE \$ FLOOD INSPECTORS OFFICE NOTICE: IN ADDITION TO THE REQUIREMENTS OF PROPERTY THAT MAY BE FOUND IN THE PUBLIC.	Pump pole date/ap el Trailer date CERTIFICATION FEE S ERT. FEE \$ 50.00 D ZONE FEE \$ 25.00 F THIS PERMIT, THERE M	Utility Polop. by 2/app. by \$ 12.52 FIRE FEE \$.00 CULVERT FEE \$ _ CLERKS OFFICE _ AY BE ADDITIONAL RE	date/app. by Re-roof SURCHARGE WAST TOT	date/app. by date/app. by EFEE \$ 12.52 EFEE \$ 440.04
Reconnection date/app. by Trave date/app. by BUILDING PERMIT FEE \$ 340.00 COMISC. FEES \$.00 ZONING COMISC. FEES \$.00 FLOOD DEVELOPMENT FEE \$	Pump pole date/ap el Trailer date CERTIFICATION FEE S ERT. FEE \$ 50.00 D ZONE FEE \$ 25.00 F THIS PERMIT, THERE M	Utility Polop. by 2/app. by \$ 12.52 FIRE FEE \$.00 CULVERT FEE \$ _ CLERKS OFFICE _ AY BE ADDITIONAL RE	date/app. by Re-roof SURCHARGE WAST TOT	date/app. by date/app. by EFEE \$ 12.52 EFEE \$ 440.04

"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."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

To whom it concerns,

We are writing you to explain why the Log Home Permit # 000023836 under the name of Lawrence Jones is not yet completed. We knew that it would take awhile to build our cabin in the woods since we are building it ourselves. Because of this fact it will take longer. But we are making progress. So we are writing this letter to explain the reason why the permit is not complete being we are building it ourselves and we are by no means contractors and doing it on a pay as you go bases and only part time and we are only in Fla part of the time as we go back to Maine in the Summer months. If we need to do anything other than this letter. Please let us know at our Maine address. Our address in Maine is:

Lawrence&Starr Jones

66 Bragg Pt Ln

Weld, Me. 04285

207-585-2581

Thank you for your patience in this matter.

Mrs. Lawreau Joses

DATE Aug 12t 2006

To whom it concerns.

We are writing you to explain why the Log Home Permit # 000023836 under the name of Lawrence Jones is not yet completed. We knew that it would take awhile to build our cabin in the woods since we are building it ourselves. Because of this fact it will take longer. But we are making progress. So we are writing this letter to explain the reason why the permit is not complete being we are building it ourselves and we are by no means contractors and doing it on a pay as you go bases and only part time and we are only in Fla part of the time as we go back to Maine in the Summer months. If we need to do anything other than this letter. Please let us know at our Maine address. Our address in Maine is:

Lawrence&Starr Jones

Or

Lawrence & Starr Jones

66 Bragg Pt Ln

247 SW Delaware Way

Weld, Me. 04285

Ft. White

207-585-2581

Fl 32038

Thank you for your patience in this matter. Star Juloy

DATE 2/14/07

To whom it concerns,

We are writing you to explain why the Log Home Permit # 000023836 under the name of Lawrence Jones is not yet completed. We knew that it would take awhile to build our cabin in the woods since we are building it ourselves. Because of this fact it will take longer. But we are making progress. So we are writing this letter to explain the reason why the permit is not complete being we are building it ourselves and we are by no means contractors and doing it on a pay as you go bases and only part time and we are only in Fla part of the time as we go back to Maine in the Summer months. If we need to do anything other than this letter. Please let us know at our Maine address. Our address in Maine is:

Lawrence&Starr Jones

Or Lawrence & Starr Jones

66 Bragg Pt Ln

247 SW Delaware Way

Weld, Me. 04285

Ft. White

207-585-2581

32038 FI

Thank you for your patience in this matter.

MR+ Mrs. Lawrence DATE 5/12/07

To whom it concerns,

We are writing you to explain why the Log Home Permit # 000023836 under the name of Lawrence Jones is not yet completed. We knew that it would take awhile to build our cabin in the woods since we are building it ourselves. Because of this fact it will take longer. But we are making progress.

Thank you for your patience in this matter.

Starr Law reace Jour DATE Any 30, 2007

To whom it concerns,

We are writing you to explain why the Log Home Permit # 000023836 under the name of Lawrence Jones is not yet completed. We knew that it would take awhile to build our cabin in the woods since we are building it ourselves. Because of this fact it will take longer. But we are making progress. So we are writing this letter to explain the reason why the permit is not complete being we are building it ourselves and we are by no means contractors and doing it on a pay as you go bases and only part time and we are only in Fla part of the time as we go back to Maine in the Summer months. If we need to do anything other than this letter. Please let us know at our Maine address. Our address in Maine is:

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Or

Lawrence & Starr Jones

66 Bragg Pt Ln

247 SW Delaware Way

Weld, Me. 04285

Ft. White

207-585-2581

Fl 32038

Thank you for your patience in this matter.

Starr Jones

DATE 12/26/07

To whom it concerns,

We are writing you to explain why the Log Home Permit # 000023836 under the name of Lawrence Jones is not yet completed. We knew that it would take awhile to build our cabin in the woods since we are building it ourselves. Because of this fact it will take longer. But we are making progress. So we are writing this letter to explain the reason why the permit is not complete being we are building it ourselves and we are by no means contractors and doing it on a pay as you go bases and only part time and we are only in Fla part of the time as we go back to Maine in the Summer months. If we need to do anything other than this letter. Please let us know at our Maine address. Our address in Maine is:

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66 Bragg Pt Ln

Weld, Me. 04285

207-585-2581

Or

Lawrence & Starr Jones

247 SW Delaware Way

Ft. White

Fl 32038

Thank you for your patience in this matter.

DATE 3 12 08

De are making

making progress.

MR+ MRS. Lawrence Jones 66 Bragg Pt Keney WELD MAIN 04285 863-604-3800 207-585-2581 To whom it concerns! We are writing thesletter to explain the reason the home we are building is not yet Complete. Frmt # is 000023836 the reason is that we are ere it Ha. only a few months lacks yo. We also trying hard you can be Spatient withus. Daty Jame 20, 2009

To whom it concerns,

We are writing you to explain why the Log Home Permit # 000023836 under the name of Lawrence Jones is not yet completed. We knew that it would take awhile to build our cabin in the woods since we are building it ourselves. Because of this fact it will take longer. But we are making progress. So we are writing this letter to explain the reason why the permit is not complete being we are building it ourselves and we are by no means contractors and doing it on a pay as you go bases and only part time and we are only in Fla part of the time as we go back to Maine in the Summer months. If we need to do anything other than this letter. Please let us know at our Maine address. Our address in Maine is:

Lawrence&Starr Jones

66 Bragg Pt Ln

Weld,Me.04285 207-585-2581 Or

Lawrence & Starr Jones 247 SW Delaware Way

Ft. White Fl 32038

Stan Johns

Thank you for your patience in this matter.

DATE Aug 2/20

To whom it concerns,

We are writing you to explain why the Log Home Permit # 000023836 under the name of Lawrence Jones is not yet completed. We knew that it would take awhile to build our cabin in the woods since we are building it ourselves. Because of this fact it will take longer. But we are making progress. So we are writing this letter to explain the reason why the permit is not complete being we are building it ourselves and we are by no means contractors and doing it on a pay as you go bases and only part time and we are only in Fla part of the time as we go back to Maine in the Summer months. If we need to do anything other than this letter. Please let us know at our Maine address.Our address in Maine is:

Lawrence&Starr Jones

Or

Lawrence & Starr Jones 247 SW Delaware Way

66 Bragg Pt Ln Weld, Me. 04285

Ft. White

207-585-2581

FI 32038

Thank you for your patience in this matter. Starry LAwrence Jeken DATE 12/05/09

To whom it concerns:

This letter is in connection to permit # 000023836 as to why this project has not been complete. Believe me no one wants it completed more than ourselves. We are doing the Log Home all on our own so it is taking longer than if we had the extra funds to hire it done. And when you do it just part time it takes longer.

So this is the reason we have not called for a final inspection.

If you have any questions please feel free to call us at 863-604-3800.

Thank you for your patients and we are making progress.

Stair Jones

To whom it concerns:

This letter is in connection to permit # 000023836 as to why this project has not been complete. Believe me no one wants it completed more than ourselves. We are doing the Log Home all on our own so it is taking longer than if we had the extra funds to hire it done. And when you do it just part time it takes longer.

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Starr x Low reace Jose

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Mis Lawrence Jones

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66 Bragg Pt Ln Weld,Me.04285 207-585-2581

Thank you for your patience in this matter.

DATE

Sept 20,20 11

To whom it concerns:

This letter is in connection to permit # 000023836 as to why this project has not been complete. Believe me no one wants it completed more than ourselves. We are doing the Log Home all on our own so it is taking longer than if we had the extra funds to hire it done. And when you do it just part time it takes longer.

So this is the reason we have not called for a final inspection.

Thank you for your patients and we are making progress.

Ston Jone

De care now in Maine + we should be calling at some point their winter, 2012 be calling for a final is

To whom it concerns:

This letter is in connection to permit # 000023836 as to why this project has not been complete. Believe me no one wants it completed more than ourselves. We are doing the Log Home all on our own so it is taking longer than if we had the extra funds to hire it done. And when you do it just part time it takes longer.

So this is the reason we have not called for a final inspection.

Thank you for your patients and we are making progress.

PS. Co-vext p. for Sure - Hurry! + Amer

To whom it concerns:

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66 Bragg Pt Ln

247 SW Delaware Way

Weld, Me. 04285

Ft. White

207-585-2581

32038 FI

Thank you for your patience in this matter.



Lonny and Starr Jones

STRUCTURAL AND WIND LOAD CALCULATIONS

For

Suwannee River Log Homes

Gary Gill, P.E. 51942 P.O. Box 187

130 West Howard Street Live Oak, FL 32064

Ph. (386) 362-3678 Fax (386) 362-6133

AUTH # 9461

Project name: Jones Residence

Project:

PF05-xxx

Client

SRLH

Calculations:

Gary Gill, PE

Date:

2/1/2005

Design Basis

Design Loads

Wind Load 110

Floor Live Load

Sleep Areas = 30 psf All Others = 40 psf

Floor Dead Load 10 psf Wall Dead Load 10 psf Roof Live Load 20 psf Roof Dead Load 10 psf

Load Combinations

DL + LL(floor) + LL (roof)

DL + LL(floor) +WL

DL + WL Wind load

Exposure B

Building Information

Shape Rectangle Length 30 ft Width 26 ft Type 2 Stories

References

2001 Florida Building Code ASCE 7-98 Minimum Design Loads for Buildings and Other Structures AITC Timber Construction Manual

Jones Residence PF05-xxx SRLH Project Name Project Number Client

Date

2/1/2005

Windloading

DATA SHEET
Wind
Building Length
Building Width
Type

110 mph 30 ft 26 ft 2 Stories

LOAD SHEET DATA

RAFTERS

			Rafter Horz.		Dead Load	Live Load	Wind Load			
Element	Description	Spacing (ft)	Length (ft)	Length (ft) Pitch (:12)	(bst)	(bst)	(bsd)	R	R2	At
Rafter 1	Profile - 3:12 Pitch	4	13	8	10	20	-21.37	1.00	1	52
Rafter 2	Profile - 10:12 Pitch	4	13	10	10	14	-18.92	1.00	0.7	52
Rafter 3	Porch Rafter	4	8	4	10	20	-19.82	1	-	32

RIDGE BEAMS

		Tributary	Beam	Dead Load	Live Load	Wind Load			
Element	Description	Width	Length (ft)	(bst)	(bst)	(bst)	R1	R2	At
Rafter1	Rafter	13	30	10	12.96	-21.37	0.81	0.8	390

WALL LOADS Dead Wall heigth

7 psf 8 psf

FLOOR JOIST

Element Description Spacing (ft) (psf) Lo(psf) Width Length (ft) At MII Ladjust Lofglust Light At 10 Light Logglust Pilor Joist 1 At 10 Light At 10 Light <th></th> <th></th> <th></th> <th>Dead Load</th> <th>Live Load</th> <th>Tributary</th> <th>Beam</th> <th></th> <th></th> <th></th> <th>Live Load</th>				Dead Load	Live Load	Tributary	Beam				Live Load
1 4x10 D.F 2nd FL 2.67 10 40 2.67 13 34.67 2 82.06	Element	Description	Spacing (ft)	(bst)	Lo(psf)	Width	Length (ft)	At	¥	Ladjust	L)psf)
1 2x10 SYP 1st FL 1.33 10 40 1.22 13 15.86 2 116.53	Floor Joist 1	4x10 D.F 2nd FL	2.67	10	40	2.67	13	34.67	2	82.06	40.00
	Floor Joist 1	2x10 SYP 1st FL	1.33	10	40	1.22	13	15.86	2	116.53	40.00

FLOOR GIRDERS

		Dead Load	Live Load	Tributary	Beam				Live Load L
Element	Description	(bst)	(bst)	Width	Length (ft)	At	₹	Ladjust	(bst)
r Girder 1	6x10 - 2nd FL	10	40	11.50	11.66	134.09	2	46.64	40
r Girder 2	(3)2x10 - 1st FL	10	40	13.00	8.00	104.00	2	51.60	40.00

TRUSS UPLIFT

						Winward		
						Overhang	Winward	Leeward
Element	Description	Spacing (in)	Spacing (in) Pitch (:12)	Span (ft) Dead (psf)	Dead (psf)	(bst)	Roof (psf) Roof (psf)	Roof (psf
	TR-1 Special Truss							
Truss 1	(Front)	24	9	25.66	10	-40.58	-18.92	-10.74

ption (psf)	Descri (3)2x10 -
	Dead Dead

SHEARWALLS

1st Floor Height 2nd Floor height Surface1 Surface2 Surface3 Surface4 Surface5 Surface5

11.04 psf 1.22 psf -4.04 psf -3.19 psf 8.78 psf -1.66 psf



Project name: Project number: Date:

Jones Residence

PF05-xxx

2/1/2005 SRLH

Client: Calc's by:

GG

RAFTER LOADS

	1					411	Lo	ads			
Element	Spacing (ft)	Length (ft)	Pitch (:12)	Dead (psf)	Live (psf)	w dead "D" (plf)	w live "L" (plf)	D+L	Wind (psf)	w wind "W" (plf)	0.6D+W
Rafter 1	4	13	3	10	20	41.23	80.00	121.23	-21.37	-65.67	-40.93
Rafter 2	4	13	10	10	14	52.07	56.00	108.07	-18.92	-58.14	-26.90
Rafter 3	4	8	4	10	20	42.16	00.03	122.16	-19.82	-75.21	-49.91

RIDGE BEAMS

Element	Tributary Width (ft)	w dead "D" (plf)	w live "L" (plf)	D+L	Wind (psf)	w wind "W" (plf)	0.6D+W
Rafter1	13	183.85	260.00	443.85	-21.37	-392.88	-282.57

Load factor based on slope

pitch (x/12) Load factor:

12 1.41 ***pitch of 12 used as conservative

WALL LOADS

Dead (psf)	Wall Height (ft)	w dead "D" (plf)
7	8	56

***only used if wall is load bearing

FLOOR JOIST

Element	Spacing	Dead (psf)	Live (psf)	w dead "D" (plf)		D+L (plf)
Floor Joist 1	2.67	10	40	26.67	106.67	133.33
Floor Joist 1	1.33	10	40	13.30	53.20	66.50

GIRDERS

Element	Width (ft)	Dead (psf)	Live (psf)	w dead (plf)	w live (plf)
Floor Girder 1	11.50	10	40	115.00	460.00
Floor Girder 2	13.00	10	40.00	130.00	520.00

BEAMS

Element	Tributary Width (ft)	Dead (psf)	Live (psf)	w dead (plf)	w live (plf)
Floor Girder 2 -	13	20	80	316.00	1040.00

Wind Load Design per ASCE 7-98

Description: SRLH -Jones - low roof

Analysis by: Gary Gill

User Input Data					
Structure Type	Building				
Basic Wind Speed (V)	110	mph			
Structural Category	II				
Exposure	В				
Struc Nat Frequency (n1)	1	Hz			
Slope of Roof (Theta)	14.03	Deg			
Type of Roof	Gabled				
Kd (Directonality Factor)	0.85				
Eave Height (Eht)	21.75	ft			
Ridge Height (RHt)	24.58	ft			
Mean Roof Height (Ht)	23.00	ft			
Width Perp. To Wind Dir (B)	26.00	ft			
Width Paral. To Wind Dir (L)	30.00	ft			
Damping Ratio (beta)	0.02				

Rea	values	should	be	changed	only	through	"Main	Menu"	

Calculated Paramete	rs
Type of Structure	
Height/Least Horizontal Dim	0.88
Flexible Structure	No

Calculated	Parameter	S
Importance Factor	1	
Hurricane Prone F	Region (V>100 I	mph)
Table Co	6-4 Values	
Alpha =	7.000	
zg =	1200.000	l
ecco e e		
ir.		
=31		
At =	0.143	1
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
I =	320.00	ft
Epsilon =	0.333	() ()
Zmin =	30.00	ft

	Gust Factor Category I: Rigid Structures - Simplified Method	
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85
	Gust Factor Category II: Rigid Structures - Complete Analysis	
Zm Izm Lzm	Zmin	30.00 ft
lzm	Cc * (33/z)^0.167	0.3048
Lzm	I*(zm/33)^Epsilon	309.99 ft
Q	(1/(1+0.63*((Min(B,L)+Ht)/Lzm)^0.63))^0.5	0.9140
Gust2	0.925*((1+1.7*lzm*3.4*Q)/(1+1.7*3.4*lzm))	0.8742
	Gust Factor Summary	
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85

Wind Load Design per ASCE 7-98

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)

Elev	Kz	Kzt	qz	Pressure	(lb/ft^2)
				Windwa	rd Wall*
ft			lb/ft^2	+GCpi	-GCpi
24.58	0.66	1.00	17.43	8.77	14.93
23	0.65	1.00	17.10	8.55	14.70
21.75	0.64	1.00	16.83	8.36	14.52
20	0.62	1.00	16.43	8.09	14.25
15	0.57	1.00	15.13	7.21	13.37

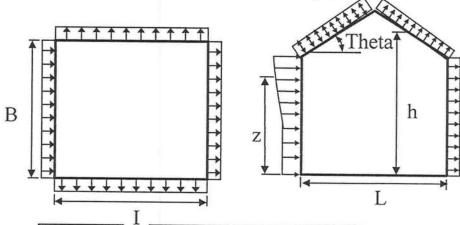
Table 6-7 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi		
	Max +	Max -	
Open Buildings	0.00	0.00	
Partially Enclosed Buildings	0.55	-0.55	
Enclosed Buildings	0.18	-0.18	
Enclosed Buildings	0.18	-0.18	

Wind Load Design per ASCE 7-98

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	2.01*(Ht/zg)^(2/Alpha)	0.65	
	Topographic factor (Fig 6-2)	1.00	
Qh	.00256*(V)^2*I*Kh*Kht*Kd	17.10	psf
Khcc	Comp & Clad: Table 6-5 Case 2	0.70	
	.00256*V^2*I*Khcc*Kht*Kd	18.45	psf

Wall Pressure Coefficients, Cp				
Surface	Ср			
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.8			

Roof Pressure Coeffici	ents, Cp
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Calculations for Wind Normal to 26 ft Face	Ср	Pressur	e (psf)
Additional Runs may be req'd for other wind directions		+GCpi	-GCpi
Leeward Walls (Wind Dir Normal to 26 ft wall)	-0.47	-9.90	-3.74
Side Walls	-0.70	-13.25	-7.10
Roof - Wind Normal to Ridge (Theta>=10) - f	or Wind Norr	mal to 26 ft fa	
Windward - Max Negative	-0.91	-16.29	-10.14
Leeward Normal to Ridge	-0.56	-11.27	-5.11
Overhang Top (Windward)	-0.91	-13.21	-13.21
Overhang Top (Leeward)	-0.56	-8.19	-8.19
Overhang Bottom (Applicable on Windward only)	0.80	11.44	11.44
Roof - Wind Parallel to Ridge (All Theta) - fo	r Wind Norm	al to 26 ft fac	e
Dist from Windward Edge: 0 ft to 11.5 ft	-1.11	-19.26	-13.10
Dist from Windward Edge: 11.5 ft to 23 ft	-0.79	-14.61	-8.45

^{*} Horizontal distance from windward edge

Wind Load Design per ASCE 7-98

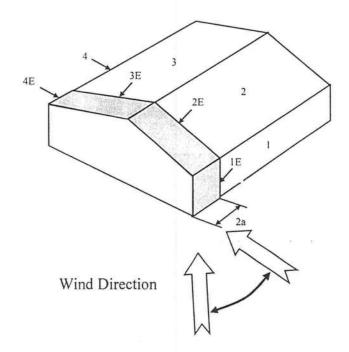
Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(Ht/zg)^(2/Alpha)	=	0.65
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	17.10

			Case A	\		
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.48	0.18	-0.18	17.10	5.10	11.25
2	-0.69	0.18	-0.18	17.10	-14.88	-8.72
3	-0.44	0.18	-0.18	17.10	-10.54	-4.38
4	-0.37	0.18	-0.18	17.10	-9.48	-3.32
5	0.00	0.18	-0.18	17.10	-3.08	3.08
6	0.00	0.18	-0.18	17.10	-3.08	3.08
1E	0.72	0.18	-0.18	17.10	9.31	15.46
2E	-1.07	0.18	-0.18	17.10	-21.37	-15.22
3E	-0.63	0.18	-0.18	17.10	-13.79	-7.63
4E	-0.56	0.18	-0.18	17.10	-12.59	-6.44
5E	0.00	0.18	-0.18	17.10	-3.08	3.08
6E	0.00	0.18	-0.18	17.10	-3.08	3.08

^{*} p = qh * (GCpf - GCpi)



Wind Load Design per ASCE 7-98

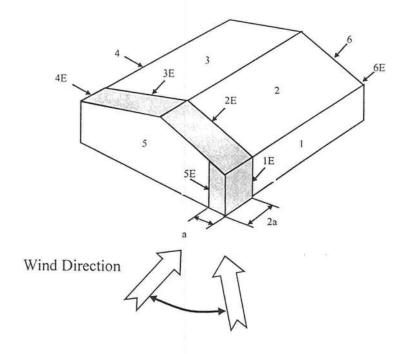
Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(Ht/zg)^(2/Alpha)	=	0.65
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	17.10

			Case E	3		
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	-0.45	0.18	-0.18	17.10	-10.77	-4.62
2	-0.69	0.18	-0.18	17.10	-14.88	-8.72
3	-0.37	0.18	-0.18	17.10	-9.40	-3.25
4	-0.45	0.18	-0.18	17.10	-10.77	-4.62
5	0.40	0.18	-0.18	17.10	3.76	9.92
6 1E	-0.29	0.18	-0.18	17.10	-8.04	-1.88
1E	-0.48	0.18	-0.18	17.10	-11.28	-5.13
2E	-1.07	0.18	-0.18	17.10	-21.37	-15.22
3E	-0.53	0.18	-0.18	17.10	-12.14	-5.98
4E	-0.48	0.18	-0.18	17.10	-11.28	-5.13
5E	0.61	0.18	-0.18	17.10	7.35	13.51
6E	-0.43	0.18	-0.18	17.10	-10.43	-4.27

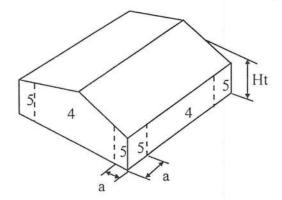
^{*} p = qh * (GCpf - GCpi)

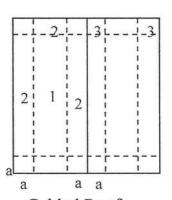


Wind Load Design per ASCE 7-98

Figure 6-5 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft





Gabled Roof 10 < Theta <= 45

a =	2.6	==>	3.00	ft	

Component	Width	Span	Area	Zone	G	Ср	Wind Pres	s (lb/ft^2)
	(ft)	(ft)	(ft^2)		Max	Min	Max	Min
ROOF	10	1	10.00	1	0.50	-0.90	12.54	-19.92
Walls	10	1	10.00	4	1.00	-1.10	21.77	-23.61
roof edge	10	1	10.00	2	0.50	-2.10	12.54	-42.06
Wall edge	10	1	10.00	5	1.00	-1.40	21.77	-29.15
Roof overhang	10	1	10.00	2H	0.50	-2.20	10.00	-40.58

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

Wind Load Design per ASCE 7-98

Description: SRLH -Jones - porch

Analysis by: Gary Gill

User Input Data			
Structure Type	Building		
Basic Wind Speed (V)	110	mph	
Structural Category	11		
Exposure	В		
Struc Nat Frequency (n1)	1	Hz	
Slope of Roof (Theta)	23	Deg	
Type of Roof	Gabled		
Kd (Directonality Factor)	0.85		
Eave Height (Eht)	12.75	ft	
Ridge Height (RHt)	13.25	ft	
Mean Roof Height (Ht)	13.00	ft	
Width Perp. To Wind Dir (B)	8.00	ft	
Width Paral. To Wind Dir (L)	30.00	ft	
Damping Ratio (beta)	0.02		

Red values shoul	d be changed	only through	"Main Menu"
------------------	--------------	--------------	-------------

Calculated Paramete	rs
Type of Structure	
Height/Least Horizontal Dim	1.63
Flexible Structure	No

Calculated	Parameters	S
Importance Factor	1	
Hurricane Prone F	Region (V>100 i	mph)
Table Co	6-4 Values	
Alpha =	7.000	
zg =	1200.000	
10-	T 10 1000 100	
0.7		
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
T =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

	Gust Factor Category I: Rigid Structures - Simplified Method	
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85
	Gust Factor Category II: Rigid Structures - Complete Analysis	
Zm	Zmin	30.00 ft
lzm	Cc * (33/z)^0.167	0.3048
Izm Lzm	I*(zm/33)^Epsilon	309.99 ft
Q	(1/(1+0.63*((Min(B,L)+Ht)/Lzm)^0.63))^0.5	0.9468
Gust2	0.925*((1+1.7*lzm*3.4*Q)/(1+1.7*3.4*lzm))	0.8936
	Gust Factor Summary	
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85

Wind Load Design per ASCE 7-98

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)

Elev	Kz	Kzt	qz	Pressure (lb/ft^2		
				Windward Wall		
ft			lb/ft^2	+GCpi	-GCpi	
15	0.57	1.00	15.13	7.57	13.01	

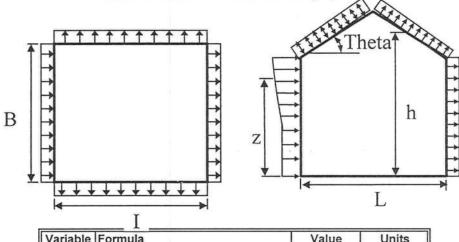
Table 6-7 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi			
	Max +	Max -		
Open Buildings	0.00	0.00		
Partially Enclosed Buildings	0.55	-0.55		
Enclosed Buildings	0.18	-0.18		
Enclosed Buildings	0.18	-0.18		

Wind Load Design per ASCE 7-98

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	2.01*(15/zg)^(2/Alpha)	0.57	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	.00256*(V)^2*I*Kh*Kht*Kd	15.13	psf
Khcc	Comp & Clad: Table 6-5 Case 2	0.70	Ī ,
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	18.45	psf

Wall Pressure Coefficients, Cp				
Surface	Ср			
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.8			

Roof Pressure Coefficients, Cp				
Roof Area (sq. ft.)				
Reduction Factor	1.00			

Calculations for Wind Normal to 8 ft Face	Ср	Pressure	e (psf)
Additional Runs may be req'd for other wind directions	-250	+GCpi	-GCpi
Leeward Walls (Wind Dir Normal to 8 ft wall)	-0.21	-5.46	-0.01
Side Walls	-0.70	-11.73	-6.28
Roof - Wind Normal to Ridge (Theta>=10) - f	or Wind Nor	mal to 8 ft fac	ce
Windward - Max Negative	-0.31	-6.75	-1.31
Windward - Max Positive	0.16	-0.70	4.75
Leeward Normal to Ridge	-0.60	-10.44	-4.99
Overhang Top (Windward)	-0.31	-4.03	-4.03
Overhang Top (Leeward)	-0.60	-7.72	-7.72
Overhang Bottom (Applicable on Windward only)	0.80	10.29	10.29
Roof - Wind Parallel to Ridge (All Theta) - fo	r Wind Norn	nal to 8 ft fac	е
Dist from Windward Edge: 0 ft to 6.5 ft	-0.90	-14.30	-8.85
Dist from Windward Edge: 6.5 ft to 13 ft	-0.90	-14.30	-8.85
Dist from Windward Edge: 13 ft to 26 ft	-0.50	-9.15	-3.71
Dist from Windward Edge: > 26 ft	-0.30	-6.58	-1.13

^{*} Horizontal distance from windward edge

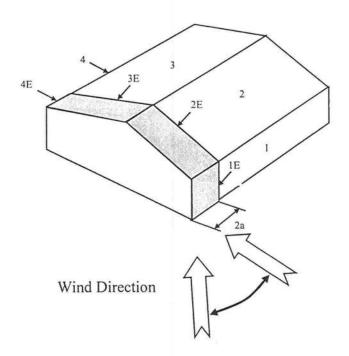
Wind Load Design per ASCE 7-98

Figure 6-4 - External Pressure Coefficients, GCpf Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	15.13

Case A								
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)		
1	0.54	0.18	-0.18	15.13	5.43	10.88		
2	-0.42	0.18	-0.18	15.13	-9.08	-3.63		
3	-0.47	0.18	-0.18	15.13	-9.76	-4.31		
4	-0.41	0.18	-0.18	15.13	-8.96	-3.51		
5 6 1E	0.00	0.18	-0.18	15.13	-2.72	2.72		
6	0.00	0.18	-0.18	15.13	-2.72	2.72		
1E	0.77	0.18	-0.18	15.13	8.88	14.33		
2E	-0.67	0.18	-0.18	15.13	-12.83	-7.38		
3E	-0.64	0.18	-0.18	15.13	-12.44	-6.99		
4E	-0.59	0.18	-0.18	15.13	-11.68	-6.23		
5E	0.00	0.18	-0.18	15.13	-2.72	2.72		
6E	0.00	0.18	-0.18	15.13	-2.72	2.72		

^{*} p = qh * (GCpf - GCpi)



Wind Load Design per ASCE 7-98

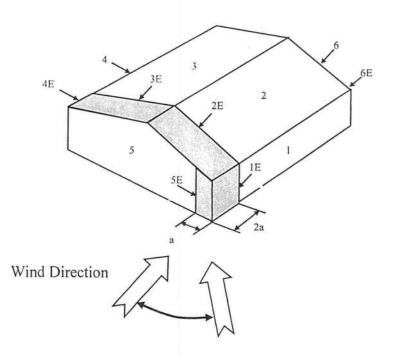
Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	15.13

Case B								
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)		
1	-0.45	0.18	-0.18	15.13	-9.53	-4.09		
2 3	-0.69	0.18	-0.18	15.13	-13.16	-7.72		
	-0.37	0.18	-0.18	15.13	-8.32	-2.88		
5	-0.45	0.18	-0.18	15.13	-9.53	-4.09		
5	0.40	0.18	-0.18	15.13	3.33	8.78		
6	-0.29	0.18	-0.18	15.13	-7.11	-1.66		
1E	-0.48	0.18	-0.18	15.13	-9.99	-4.54		
2E	-1.07	0.18	-0.18	15.13	-18.92	-13.47		
3E	-0.53	0.18	-0.18	15.13	-10.74	-5.30		
4E	-0.48	0.18	-0.18	15.13	-9.99	-4.54		
5E	0.61	0.18	-0.18	15.13	6.51	11.95		
6E	-0.43	0.18	-0.18	15.13	-9.23	-3.78		

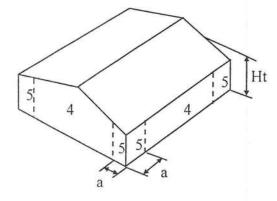
^{*} p = qh * (GCpf - GCpi)

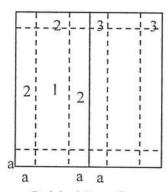


Wind Load Design per ASCE 7-98

Figure 6-5 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft





Gabled Roof 10 < Theta <= 45

Component	Width Span (ft) (ft)	Span	Area (ft^2)	Zone	G	Ср	Wind Press (lb/ft^2	
		(ft)			Max		Max	Min
ROOF	10	1	10.00	1	0.50	-0.90	12.54	-19.92
Walls	10	1	10.00	4	1.00	-1.10	21.77	-23.61
roof edge	10	1	10.00	2	0.50	-2.10	12.54	-42.06
Wall edge	10	1	10.00	5	1.00	-1.40	21.77	-29.15
Roof overhang	10	1	10.00	2H	0.50	-2.20	10.00	-40.58

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

Date:

Scope:

Rev: 510304 User: KW-0601816, Ver 5.1.3, 22-Jun-1999, Win32 (c) 1983-99 ENERCALC		!	Timber Beam & Joist	Page 1 p:\2005\pf05-021 srlh-horning wl\horning.ecw
Description	Specia	I Beams		
Timber Member Ir	nformat	ion	Calculations are designed to	o 1997 NDS and 1997 UBC Requirements
Timber Section Beam Width Beam Depth Le: Unbraced Length Timber Grade Fb - Basic Allow Fv - Basic Allow Elastic Modulus Load Duration Factor Member Type Repetitive Status	psi psi ksi	Beam 1 3-2x10 4.500 9.250 0.00 6outhern Pine, No.2 1,050.0 90.0 1,600.0 1.000 Manuf/Pine Repetitive		
Center Span Data				
Span Dead Load Live Load	ft #/ft #/ft	5.05 316.00 1,040.00		
Results	Ratio =	0.9542		e e e e e e e e e e
Mmax @ Center @ X =	in-k ft	51.87 2.52		
fb : Actual Fb : Allowable	psi psi	808.3 1,207.5 Bending OK	f) 4 96	
fv : Actual Fv : Allowable	psi psi	85.9 90.0 Shear OK		
Reactions	4-11-11-11-11-11-11-11-11-11-11-11-11-11			
@ Left End DL LL Max. DL+LL @ Right End DL LL Max. DL+LL	lbs lbs lbs lbs lbs	797.90 2,626.00 3,423.90 797.90 2,626.00 3,423.90		
Deflections		Ratio OK		t de restate e
Center DL Defl L/Defl Ratio Center LL Defl L/Defl Ratio Center Total Defl Location L/Defl Ratio	in in in ft	-0.010 6,223.4 -0.032 1,890.9 -0.042 2.525 1,450.3		

Date:

Job#

Scope:

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Timber Beam & Joist

Page 1 p:\2005\pf05-021 srlh-horning wl\horning.ecw:

Description

Rafters

Timber Member II	nforma	tion		Calculations are designed to 1997 NDS and 1997 UBC Requirements
Timber Section Beam Width Beam Depth Le: Unbraced Length Timber Grade Fb - Basic Allow Fv - Basic Allow Elastic Modulus Load Duration Factor Member Type Repetitive Status Center Span Data	psi psi ksi	Rafter 4x10 3.500 9.500 0.00 ouglas Fir-South, 825.0 90.0 1,200.0 1.000 Sawn Repetitive	4x10 3.500 9.500 0.00 N ouglas Fir-South, N 825.0 90.0 1,200.0	Bald Cypress, No.2 Bald Cypress, No.2
Span	ft	13.00	12.00	
Dead Load Live Load	#/ft #/ft	41.20 80.00	13.00 52.10 56.00	
Results	Ratio =	0.5126	0.4572	
Mmax @ Center @ X =	in-k ft	30.72 6.50	27.40 6.50	
fb : Actual Fb : Allowable	psi psi	583.6 1,138.5 Bending OK	520.5 1,138.5 Bending OK	
fv : Actual Fv : Allowable	psi psi	31.3 90.0 Shear OK	27.9 90.0 Shear OK	
Reactions	*	3.5		AND
@ Left End DL LL Max. DL+LL @ Right End DL LL Max. DL+LL	lbs lbs lbs lbs lbs	267.80 520.00 787.80 267.80 520.00 787.80	338.65 364.00 702.65 338.65 364.00 702.65	
Deflections		Ratio OK	Deflection OK	
Center DL Defl L/Defl Ratio Center LL Defl L/Defl Ratio Center Total Defl Location L/Defl Ratio	in in in ft	-0.088 1,768.2 -0.171 910.6 -0.260 6.500 601.1	-0.112 1,398.2 -0.120 1,300.9 -0.231 6.500 673.9	

Date:

Scope:

Rev: 510304 User: KW-0601816, Ver 5.1.3, 22-Jun-1999, Win32 (c) 1983-99 ENERCALC

Timber Beam & Joist

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Description

Ridge beam

Timber Member In	format	tion	Calculations are designed to 1997 NDS and 1997 UBC Requirements
Timber Section Beam Width Beam Depth Le: Unbraced Length TImber Grade Fb - Basic Allow Fv - Basic Allow Elastic Modulus Load Duration Factor Member Type Repetitive Status	in in ft psi psi ksi	Ridge Beam 1 6x10 5.500 9.500 0.00 Couglas Fir - Larch, Youglas F 1,200.0 85.0 1,600.0 1.000 Sawn No	Fir - Larch, Bald Cypress, No.2
Center Span Data			a board somewhaters or in the stage of the stage of
Span	ft	11.80	
Dead Load Live Load	#/ft #/ft	184.00 260.00	
Results	Ratio =	0.9341	
Mmax @ Center @ X =	in-k ft	92.73 5.90	
fb : Actual Fb : Allowable	psi psi	1,120.9 1,200.0 Bending OK	
fv : Actual Fv : Allowable	psi psi	65.6 85.0 Shear OK	
Reactions			
@ Left End DL LL Max. DL+LL @ Right End DL LL Max. DL+LL	lbs lbs lbs lbs lbs	1,085.60 1,534.00 2,619.60 1,085.60 1,534.00 2,619.60	
Deflections		Ratio OK	
Center DL Defl L/Defl Ratio Center LL Defl L/Defl Ratio Center Total Defl Location L/Defl Ratio	in in in ft	-0.128 1,109.2 -0.180 785.0 -0.308 5.900 459.7	

Date:

Job#

Scope:

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Timber Beam & Joist

Page 1 p:\2005\pf05-021 srlh-horning wl\horning.ecw:

Description

Rafters-uplift

Timber Member In	Torma	tion		Calculations are designed to 1997 NDS and 1997 UBC Requirements
Timber Section Beam Width Beam Depth Le: Unbraced Length TImber Grade Fb - Basic Allow Fv - Basic Allow Elastic Modulus Load Duration Factor Member Type Repetitive Status	in in ft psi psi ksi	Rafter 1 4x10 3.500 9.500 0.00 ouglas Fir-South, N 825.0 90.0 1,200.0 1,000 Sawn Repetitive	Rafter 2 4x10 3.500 9.500 0.00 ouglas Fir-South, N B 825.0 90.0 1,200.0 1,200.0 Sawn Repetitive	ald Cypress, No.2
Center Span Data				
Span Dead Load Live Load Point #1 DL LL @ X	ft #/ft #/ft Ibs Ibs	13.00 -41.00	13.00 26.90	
Results	Ratio =	0.1176	0.1138	
Mmax @ Center @ X = fb : Actual Fb : Allowable fv : Actual Fv : Allowable	in-k ft psi psi psi	0.00 0.00 0.0 1,138.5 Bending OK 10.6 90.0 Shear OK	6.82 6.50 129.5 1,138.5 Bending OK 6.9 90.0 Shear OK	
Reactions				
@ Left End DL LL Max. DL+LL @ Right End DL LL Max. DL+LL	lbs lbs lbs lbs lbs	0.00 -266.50 -266.50 0.00 -266.50 -266.50	0.00 174.85 174.85 0.00 174.85 174.85	
Deflections		Ratio OK	Deflection OK	
Center DL Defl L/Defl Ratio Center LL Defl L/Defl Ratio Center Total Defl Location L/Defl Ratio	in in in ft	0.0 0.088 1,776.8 0.088	0.000 0.0 -0.058 2,708.1 -0.058 6.500 2,708.1	

Date:

Job#

Scope:

Rev: 510304 User: KW-0601816, Ver 5.1.3, 22-Jun-1999, Win32 (c) 1983-99 ENERCALC

Timber Beam & Joist

Page 1 p:\2005\pf05-021 srlh-horning wl\horning.ecw:

Description

floor joists

Timber Member In	nformat	tion		Calculations are designed to 1997 NDS and 1997 UBC Requirements
Timber Section Beam Width Beam Depth Le: Unbraced Length Timber Grade Fb - Basic Allow Fv - Basic Allow Elastic Modulus Load Duration Factor Member Type	psi psi ksi	Joist 1 (2nd FI 4x10 3.500 9.500 0.00 Douglas Fir - Larch, 875.0 95.0 1,600.0 1.000 Sawn	1,050.0 90.0 1,600.0 1.000 Manuf/Pine	Southern Pine, No.2 Douglas Fir - Larch,
Repetitive Status Center Span Data		Repetitive	Repetitive	
Span Dead Load Live Load	ft #/ft #/ft	13.00 26.70 106.80	13.00 13.30 53.20	
Results	Ratio =	0.5324	0.6527	
Mmax @ Center @ X =	in-k ft	33.84 6.50	16.86 6.50	
fb : Actual Fb : Allowable	psi psi	642.8 1,207.5 Bending OK	788.1 1,207.5 Bending OK	
fv : Actual Fv : Allowable	psi psi	34.4 95.0 Shear OK	41.5 90.0 Shear OK	
Reactions				THE COURSE AND ASSET INCOMES MICH. 200- III.
@ Left End DL LL Max. DL+LL @ Right End DL LL Max. DL+LL	lbs lbs lbs lbs lbs	173.55 694.20 867.75 173.55 694.20 867.75	86.45 345.80 432.25 86.45 345.80 432.25	
Deflections		Ratio OK	Deflection OK	
Center DL Defl L/Defl Ratio Center LL Defl L/Defl Ratio Center Total Defl Location L/Defl Ratio	in in in ft	909.5 -0.214	-0.054 2,889.2 -0.216 722.3 -0.270 6.500 577.8	

Job#

Title: Horning Dsgnr: Gary Gill Description:

Date:

Scope:

Rev: 510304 User: KW-0601816, Ver 5.1.3, 22-Jun-1999, Win32 (c) 1983-99 ENERCALC

Timber Beam & Joist

Page 1 p:\2005\pf05-021 srlh-horning wl\horning.ecw:

Description

Floor girders

Timber Member II	nforma	tion		Calculations are designed to 1997 NDS and 1997 UBC Requirements
	Production Control	Girder1 (2nd I	FI Girder 2 (2nd F	
Timber Section		6x12	3-2×10	
Beam Width	in	5.500	4.500	
Beam Depth	in	11.500	9.250	
Le: Unbraced Length		0.00	0.00	
Timber Grade				ony 24F, Anthonynthony 24F, Anthony Southern Pine, No.2
Fb - Basic Allow	psi	875.0	1,050.0	ony 241 , Antiony antiony 241. Antiony Southern Fine, No.2
Fy - Basic Allow	psi	95.0	90.0	
Elastic Modulus	ksi	1,600.0	1,600.0	
Load Duration Factor	10.1754	1.000	1.000	
Member Type		Sawn		
Repetitive Status		No	No	
		140	140	
Center Span Data				
Span	ft	11.00	5.10	
Dead Load	#/ft	115.00	160.00	
Live Load	#/ft	460.00	600.00	
Results	Ratio =	0.9839	0.5463	
Mmax @ Center	in-k	104.36	29.65	
@ X =	ft	5.50	2.55	
fb : Actual	psi	860.9	462.1	
Fb : Allowable	psi	875.0	1.050.0	
	1.80000	Bending OK	Bending OK	
fv : Actual	psi	62.4	49.2	
Fv : Allowable	psi	95.0	90.0	
	poi	Shear OK	Shear OK	
Reactions				
@ Left End DL	lbs	632.50	408.00	
LL	lbs	2,530.00	1,530.00	
Max. DL+LL	lbs	3,162.50	1,938.00	
@ Right End DL	lbs	632.50	408.00	
LL	lbs	2.530.00	1,530.00	
Max. DL+LL	lbs	3,162.50	1,938.00	
Deflections		Ratio OK	Deflection OK	THE CONTROL OF THE CO
	PLASKED HOLE	-0.034	-0.005	
PROGRAMMA SERVICE	in.	-0.004	-0.003	
Center DL Defl	in	3 886 2	11 033 2	
Center DL Defl L/Defl Ratio		3,886.2	11,933.2	t a a
Center DL Defl L/Defl Ratio Center LL Defl	in	-0.136	-0.019	
Center DL Defl L/Defl Ratio Center LL Defl L/Defl Ratio	in	-0.136 971.6	-0.019 3,182.2	
Center DL Defl L/Defl Ratio Center LL Defl L/Defl Ratio Center Total Defl	in in	-0.136 971.6 -0.170	-0.019 3,182.2 -0.024	
Center DL Defl L/Defl Ratio Center LL Defl L/Defl Ratio	in	-0.136 971.6	-0.019 3,182.2	

Project Name:

Jones Residence

OWNER/AGENT:

DATE:

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Builder:

Address: City, State: Owner: Climate Zone:	, Lonny and North	Starr Jones		e walkere		Permitting Office: Permit Number: Jurisdiction Number:		
1. New construction 2. Single family or 3. Number of units 4. Number of Bedres 5. Is this a worst can 6. Conditioned floor 7. Glass area & typ a. Clear glass, defa b. Default tint, defa c. Labeled U-factor 8. Floor types a. Raised Wood, Poly b. N/A c. N/A 9. Wall types a. Log. 6 inch, Exter b. N/A c. N/A d. N/A e. N/A 10. Ceiling types a. Under Attic b. N/A c. N/A 11. Ducts(Leak Free a. Sup: Unc. Ret: Units b. N/A	multi-family , if multi-family ooms use? or area (ft²) ue ult U-factor or SHGC ost or Pier	Single Pane 32.0 ft ² 0.0 ft ² 0.0 ft ² R=1.5 R=0.0	New Single family 1 1 Yes 1350 ft² Double Pane 267.0 ft² 0.0 ft² 0.0 ft² 0.0 ft² 0.0 ft² 0.0 ft² 6.0, 214.0 ft		a. Centro b. N/A c. N/A 3. Heati a. Elect b. N/A c. N/A 4. Hot w a. Elect b. N/A c. Conso (HR-I DHP 5. HVAI (CF-C HF-V PT-P	ing systems ral Unit Ing systems ric Heat Pump vater systems ric Resistance ervation credits Heat recovery, Solar -Dedicated heat pump) C credits Ceiling fan, CV-Cross ventilation. Whole house fan, rogrammable Thermostat, C-Multizone cooling,	Cap: 36.0 kBtu/hr SEER: 12.00 Cap: 36.0 kBtu/hr HSPF: 7.00 Cap: 40.0 gallons EF: 0.97	
I hereby certify the by this calculation Energy Code. PREPARED B DATE: I hereby certify the compliance with the complex content of the complex certify the certification.	Y: (A)	d specification ince with the	Florida	se poin	ts: 166 ts: 173 Review specificate alculation with the Before of this build compliant.	$D \wedge C C$	COD WE TRUST	AL RUNDA

DATE:

BUILDING OFFICIAL:

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: ,,,	PERMIT #:

BASE			AS-	BU	ILT				
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area	Type/SC		rhang Len		Area X	SPM	1 X	SOF	= Points
.18 1350.0 20.04 4869.7	Double, Clear	Е	8.8	6.0	14.0	42.0	6	0.44	257.9
	Double, Clear	E	8.0	4.5	9.5	42.0	6	0.40	161.0
	Double, Clear	E	1.5	6.0	42.0	42.0		0.91	1612.5
	Double, Clear	E	1.5	4.5	9.5	42.0		0.85	338.9
	Double, Clear Double, Clear	N	8.0	5.8	27.0	19.2		0.67	344.9
	Double, Clear	N W	1.5 8.0	5.8 5.5	13.5 54.0	19.2		0.94	242.5
	Double, Clear	W	1.0	5.0	88.0	38.5		0.45	944.5 3217.7
¥	Single, Clear	S	8.0	5.8	18.0	40.8		0.48	353.7
	Double, Clear	S	8.0	4.5	9.5	35.8		0.46	. 155.7
	Single, Clear	s	1.5	6.0	14.0	40.8	1	0.86	489.2
	As-Built Total:				299.0				8118.4
WALL TYPES Area X BSPM = Points	Туре		R-	Value	e Area	Χ	SPN	Л =	Points
Adjacent 0.0 0.00 0.0 Exterior 1315.0 1.70 2235.5	Log, 6 inch, Exterior	***************************************		0.0	1315.0		1.50		1972.5
Base Total: 1315.0 2235.5	As-Built Total:				1315.0				1972.5
DOOR TYPES Area X BSPM = Points	Туре				Area	Х	SPN	Λ =	Points
Adjacent 0.0 0.00 0.0 Exterior 42.0 6.10 256.2	Exterior Wood				42.0		6.10		256.2
Base Total: 42.0 256.2	As-Built Total:				42.0	-			256.2
CEILING TYPES Area X BSPM = Points	Туре	F	R-Valu	ie /	Area X S	SPM :	x sc	CM =	Points
Under Attic 780.0 1.73 1349.4	Under Attic		13	19.0	1013.0 2	2.34 X	1.00		2370.4
Base Total: 780.0 1349.4	As-Built Total:				1013.0				2370.4
FLOOR TYPES Area X BSPM = Points	Туре	-041/1-1170	R-	Value	Area	Х	SPN	1 =	Points
Slab 0.0(p) 0.0 0.0 Raised 780.0 -3.99 -3112.2	Raised Wood, Post or Pier			13.0	780.0		0.98		766.5
Base Total: -3112.2	As-Built Total:				780.0				766.5
INFILTRATION Area X BSPM = Points					Area	Х	SPN	1 =	Points
1350.0 10.21 13783.5					1350.0		10.21		13783.5

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

	BASE		AS-BUILT								
Summer Bas	e Points:	19382.1	Summer As-Built Points:	27267.6							
Total Summer Points	X System Multiplier	= Cooling Points	Total X Cap X Duct X System X Cred Component Ratio Multiplier Multiplier Multip (DM x DSM x AHU)								
19382.1	0.4266	8268.4	27267.6 1.000 (1.090 x 1.000 x 0.91) 0.284 0.85 27267.6 1.00 0.992 0.284 0.85	하시는 보다							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-	BUI	LT				
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area	Type/SC	Ove Ornt	rhang Len	Hgt	Area X	WPI	мх	WOF	= Points
.18 1350.0 12.74 3095.8	Double, Clear	Е	8.8	6.0	14.0	18.7	9	1.38	363.8
1000.0 12.74 000.0	Double, Clear	E	8.0	4.5	9.5	18.7		1.43	255.7
	Double, Clear	Е	1.5	6.0	42.0	18.7		1.04	817.3
	Double, Clear	E	1.5	4.5	9.5	18.7	9	1.06	189.3
	Double, Clear	N	8.0	5.8	27.0	24.5	8	1.02	678.1
	Double, Clear	N	1.5	5.8	13.5	24.5	8	1.00	332.7
	Double, Clear	W	8.0	5.5	54.0	20.7	'3	1.20	1345.2
	Double, Clear	W	1.0	5.0	88.0	20.7	'3	1.01	1848.9
	Single, Clear	S	8.0	5.8	18.0	20.2	24	3.18	1157.9
	Double, Clear	S	8.0	4.5	9.5	13.3		3.46	436.9
	Single, Clear	S	1.5	6.0	14.0	20.2	24	1.12	316.7
	As-Built Total:				299.0				7742.5
WALL TYPES Area X BWPM = Points	Туре		R-	-Value	e Area	Х	WPN	1 =	Points
Adjacent 0.0 0.00 0.0 Exterior 1315.0 3.70 4865.5	Log, 6 inch, Exterior			0.0	1315.0		4.50		5917.5
Base Total: 1315.0 4865.5	As-Built Total:				1315.0				5917.5
DOOR TYPES Area X BWPM = Points	Туре				Area	Х	WPN	1 =	Points
Adjacent 0.0 0.00 0.0 Exterior 42.0 12.30 516.6	Exterior Wood				42.0		12.30		516.6
Base Total: 42.0 516.6	As-Built Total:				42.0				516.6
CEILING TYPES Area X BWPM = Points	Туре	R	t-Value	e A	rea X W	/PM :	X WC	CM =	Points
Under Attic 780.0 2.05 1599.0	Under Attic			19.0	1013.0	2.70 >	(1.00		2735.1
Base Total: 780.0 1599.0	As-Built Total:				1013.0				2735.1
FLOOR TYPES Area X BWPM = Points	Туре		R-	-Value	e Area	X	WPN	Λ =	Points
Slab 0.0(p) 0.0 0.0 Raised 780.0 0.96 748.8	Raised Wood, Post or Pier			13.0	780.0		1.38		1077.6
Base Total: 748.8	As-Built Total:				780.0				1077.6
INFILTRATION Area X BWPM = Points					Area	Х	WPN	Л =	Points
1350.0 -0.59 -796.5					1350.	.0	-0.59	9	-796.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

	BASE		AS-BUILT						
Winter Base	Points:	10029.2	Winter As-Built Points:	17192.8					
Total Winter X Points	System = Multiplier	Heating Points		credit = Heating ultiplier Points					
10029.2	0.6274	6292.3		0.902 7514.7 7514.7					

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE						AS-BUILT								
WATER HEA Number of Bedrooms	TING	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X	Credit = Multiplier	Total		
1		2746.00		2746.0	40.0 As-Built To	0.97	1		1.00	2491.22	1.00	2491.2 2491.2		

				CODE	C	OMPLI	ANCE	S	TATUS	S			
		BAS	SE							AS	-BUILT		***************************************
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
8268		6292		2746		17307	6595		7515		2491		16601

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	CHECK
Exterior & Adjacent Walls	606.1.ABC.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	
Floors	606.1.ABC.1.2.2	from, and is sealed to, the foundation to the top plate.	
		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	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of 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	606.1.ABC.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 rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	1
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit	CHECK
Swimming Pools & Spas	612.1	breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required. 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%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	50
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	6 ==

Columbia County Building Per	Revised 9-23-0
For Office Use Only Application # 0503-72 Date Rec	ceived 3-23-95 By <u>LH</u> Permit # <u>23836</u>
Application Approved by - Zoning Official 325 Date 6	7.04.65 Plans Examiner of 3714 Date 4-26-05
Flood Zone X-PM Development Permit M/A Zoning	
Comments	
NOC (Have	EH EDisclosure statement
	863-294-6921
Applicants Name LAWRENCE R. SONES	Phone 386-497-2639
Address 2478 DELEW are WAY Fort Whi	te FL 32038
Owners Name LAWRENCE R + STARFF. JONES	Phone 386-497-2439
911 Address 247 SUDELEW ARE WAY	CELL 3 863-604-3800
Contractors Name LAWRENCE R. JONES	Phone 386-497-2639
Address 247 SWDELEWARE WAY	+ CELL: 863-604-3800
Fee Simple Owner Name & Address	Call this # I
Bonding Co. Name & Address	(497-2639)
Architect/Engineer Name & Address Gary J. Gill P.	O. BOX 187,130 W. HOMBERST, LIVE OAK FL
Mortgage Lenders Name & AddressN/A	32064
Circle the correct power company - FL Power & Light - Clay	Elec Suwannee Valley Elec Progressive Energ
Property ID Number 00-00-00-01151-000	Estimated Cost of Construction 80,000.
Subdivision Name TREE RIVERS ESTATE	Lot / §3 Block Unit / 8 Phase
Driving Directions US 27 TREE RIVERS ESTO	TES" GO to "RIVERSIDE" (ENT) to
Mostava + & DELEWARE" most of NA)	Down on Right Mail Box
Marked 247"	
1 1	lumber of Existing Dwellings on Property
	ert Permit or Culvert Waiver or Have an Existing Driv
Actual Distance of Structure from Property Lines - Front 137	Side 30 Side 40 Rear 237
Total Building Height 24.58 Number of Stories $1\sqrt{2}$ H	eated Floor Area <u>/351</u> Roof Pitch <u>/0/12</u>
Application is hereby made to obtain a permit to do work and insinstallation has commenced prior to the issuance of a permit an all laws regulating construction in this jurisdiction.	d that all work be performed to meet the standards of
OWNERS AFFIDAVIT: I hereby certify that all the foregoing infor compliance with all applicable laws and regulating construction	mation is accurate and all work will be done in and zoning.
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTLENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF	END TO OBTAIN FINANCING, CONSULT WITH YOUR
XQu)	Dwner
Owner Builder or Agent (Including Contractor)	Contractor Signature
	Contractors License Number
STATE OF FLORIDA COUNTY OF COLUMBIA	Competency Card Number
Sworn to (or affirmed) and subscribed before me	NOTARY STANIP/SEAL

Notary Signature

this 23 day of March

Personally known____ or Produced Identification_

NOTICE OF COMMENCEMENT FORM COLUMBIA COUNTY, FLORIDA

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

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

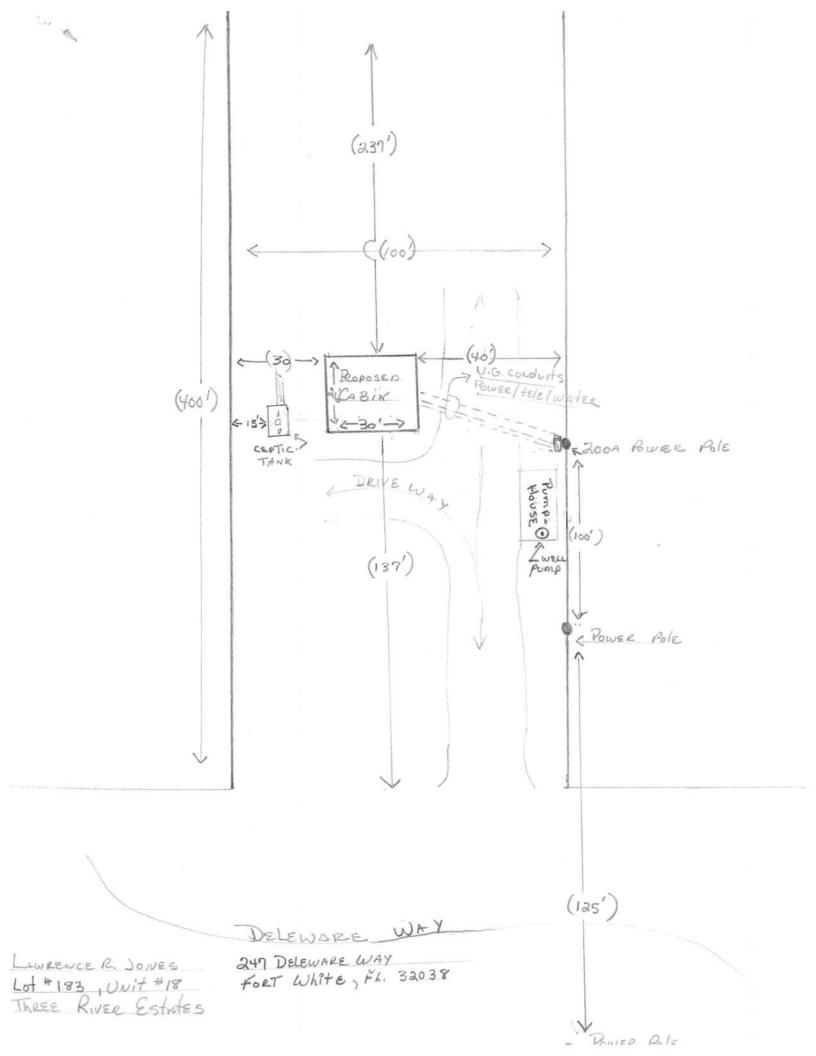
Tax Parcel ID Number 00-00-01157-000

DC, P. DeWitt Cason, Columbia County B: 1041 P: 1185

ı.	Description of property: (legal description of the property and street address or 911,address)	
	LOT 185, UNIT 18, There KIVERS ESTATES, INF. A S. LAWERS	
	ACCORDING TO PLAT THERE OF RECORDED IN PLAT ROST 1. DOG 12	
	Public Records of Columbia County, Florida	
	#247 SW. DELEWARE WAY (FORT White, FL. 32038)	
2.	General description of improvement: NEW Construction - Log Home -	
3.	Owner Name & Address LAWRENCE R. JONES, 2021 MARILYN AVE	
	MINTER Many FL. Interest in Property Our NER	
4.	Name & Address of Fee Simple Owner (if other than owner):	
	NIA-	
5.	Contractor Name Lawlence R. JONES (WNED) Phone Number 386-497-2639	
	Address DAME	
5.	Surety Holders Name N /A Phone Number	
	Address	
	Amount of Bond \(\sqrt{\sqrt{\lambda}} \)	
7.	Lender Name Phone Number	
	Address	
В.	Persons within the State of Florida designated by the Owner upon whom notices or other documents may be as provided by section 718 13 (1)(a) 7: Florida Statutos	
50	rved as provided by section 718.13 (1)(a) 7; Florida Statutes:	be
	NamePhone Number	
	Address	
9.	In addition to himself/herself the owner designates	
	to receive a copy of the Lienor's Notice as provided in Section 713.13	_ 01
	(a) 7. Phone Number of the designee	
10	Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of record	line.
	(Unless a different date is specified)	mg,
10	TICE AS PER CHAPTER 713, Florida Statutes:	
Γh	e owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.	
9		
_	Sworn to (or affirmed) and subscribed before day of	
/	Van la al Common	_
-	Signature of Owner NOTARY STAMP/SEAL	
	MY COMMISSION # DD 333503	
st	2005006820 Date:03/23/2005 Time:12:34	

Signature of Notary

Documentary Stamps: + Total: Prepared By And Return To: TITLE OFFICES, LLC 2015 S. 1ST ST. PG 2 6 6 5 '01 MAY 21 AM 9: 35 LAKE CITY, HL. 32028 9 7 ETCORO VERIFICO File #01Y-04019DH/ DFFICIAL RECORDS Property Appraisers Parcel 01157-000 Grantee(s) S.S.#(s): 006-52-3968 & 00 THIS WARRANTY DEED made and executed the day of May, 2001 by ROBERT EDWARD BURCKHALTER, A single PERSON, hereinafter called the Grantor, to LAWRENCE R. JONES, SR. and STARR F. JONES, HIS WIFE, whose post office address is: RT. 1, BOX 51, WELD, MAINE 04285, hereinafter called the Grantee: (Wherever used herein the terms "Grantor" and "Grantee" shall include singular and plural, heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.) WITNESSETH: That the Grantor, for and in consideration of the sum of TEN DOLLARS (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, by these presents does grant, bargain, sell, alien, remise, release, convey and confirm unto the Grantee all that certain land situate, lying and being in COLUMBIA County, State of Florida, viz: LOT 183, UNIT 18, THREE RIVERS ESTATES, INC., A SUBDIVISION ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 6, PAGE 12, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA. If this box is checked, the Grantor warrants that the above described property is not his/her constitutional homestead as defined by the laws of the State of Florida. He/she resides at TOGETHER with all the 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, and hereby 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 easements, restrictions and reservations of record, if any, and taxes accruing subsequent to December 31, 2000. IN WITNESS WHEREOF, the said Grantor has signed and sealed these presents the day and year first above written. Signed, sealed and delivered/ in the presence of:



Pat Lynch
P. O. BOX 934
Branford, FL 32008-0934
(386) 935-1076

Dekeware 57,

R. Vers

DATE: 4-3-02

INVOICE

4" Water well complete with /// submersible pump, / 2 galvanized drop pipe, 22 Ogallon galvanized tank, maximum 100 feet included	and 95,00
Additional footage over 100 feet will be charged at \$8.00 per foot.	
950 - 100 -	
Suwannee River Water Management District - well permit	40,00
	70,00
TOTAL DUE \$ /	325,00

Well will be complete at the well site. We do not include electrical nor plumbing connections from the well to the home and/or power pole.

THANK YOU!

Seller shall retain title to the described merchandise until such merchandise has been paid for by the buyer, however, buyer shall have the right to use, display, move, prepare, or otherwise deal with the merchandise solely in connection with the sale of such merchandise to buyers in the ordinary course of business. The merchandise delivered hereby is to be paid for upon delivery and if not paid for within thirty (30) days after receipt, interest and service charges shall accrue at the rate of 1 ½% per month; this charge is equivalent to an interest rate of 18% per annum from the date of receipt. In the event it shall become necessary for seller to collect the purchase price, or any part thereof, buyer agrees to pay to seller all of the cost of collection including reasonable attorney's fees and all incidental damages suffered by the seller. The buyer shall have five (5) days after receipt to notify seller of any defects or shortages in the merchandise. If buyer has not so notified seller within such five-day period such rights shall have waived and such merchandise shall be deemed to have been received in good condition. Seller warrants that the merchandise is merchandale and free from defects in material and workmanship. Seller makes no other express or implied warranties and does not warrant that the merchandise is fit for any particular purpose. Buyer further agrees that the site of this contract and place for payment is Suwannee County, Florida. The buyer acknowledges acceptance of the above stated items and conditions if this sale by his receipt and retention for five days the merchandise shipped or delivered by the seller.

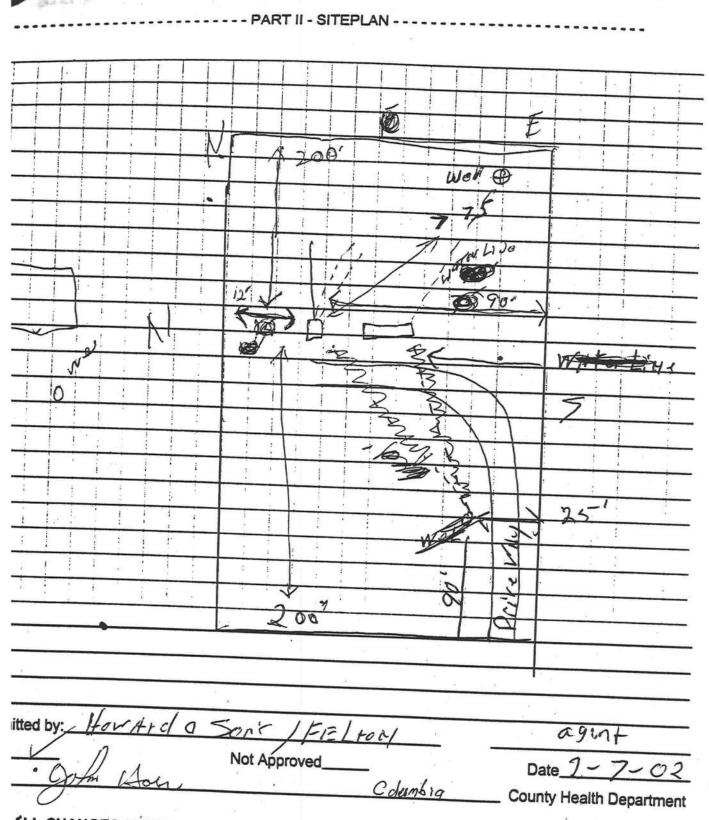
NOT RESPONSIBLE FOR QUALITY OF WATER

DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THER OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

() Single Family Dwelling	TYPE OF CONSTRUCTION
() Farm Outbuilding	() Two-Family Residence () Other
() New Construction	() Addition, Alteration, Modification or other Improvement
ILAWRENCE R. GINS	CONSTRUCTION OR IMPROVEMENT
provided for in Florida Statutes ss Columbia County Building Permit	3.489.103(7) allowing this exception for the average requirements
Dawring ho to	W) 3-23-05
Signature	Date
I hereby certify that the above liste Florida Statutes ss 489.103(7).	FOR BUILDING USE ONLY ed owner/builder has been notified of the disclosure statement in
Date 3-23-07 Buildin	g Official/Representative



ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

laces HRS-H Form 4015 which may be used) I-002-4015-6)

Page 2 of 4

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001

ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING 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 SPEED AS PER FIGURE 1606 SHALL BE USED.

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

1.

Plans Examiner	APPLICAN	I - PLEASE C	HECK ALL APPLICABLE BOXES BEFORE SOBILITIAL
All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans. Designers name and signature on document (FBC 104.2.1). If licensed G ANY Gill architect or engineer, official seal shall be affixed. Su wanne River Log Home. Site Plan including: a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property. Wind-load Engineering Summary, calculations and any details required a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC Sy GANY GILL b. Wind importance factor (I) and building category / 2. Fis 194 c. Wind exposure – if more than one wind exposure is used, the wind exposure a applicable wind direction shall be indicated B d. The applicable internal pressure coefficient. */8 c. Components and Cladding. The design wind pressure in terms of psf (kN/m²), is used for the design of exterior component and cladding materials not specifical designed by the registered design professional Elevations including: See Roof Vent Notes b) Roof pitch 10-12 c) Overhang dimensions and detail with attic ventilation 24" d) Location, size and height above roof of chimneys Sheet A.1 e) Location and size of skylights Front ELEVATION Sheet A.1 f) Building height 25 + FourMation	GENERA	L REQUIRE	MENTS: Two (2) complete sets of plans containing the following:
All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans. Designers name and signature on document (FBC 104.2.1). If licensed GANY GILL architect or engineer, official seal shall be affixed. Suwannc River Log Home. Site Plan including: a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property. Wind-load Engineering Summary, calculations and any details required a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC Section 1606 c) Heat CS Wind exposure—if more than one wind exposure is used, the wind exposure a applicable wind direction shall be indicated B d. The applicable internal pressure coefficient */8 e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), is used for the design of exterior component and cladding materials not specifical designed by the registered design professional Elevations including: 3) All sides b) Roof pitch 10-12 c) Overhang dimensions and detail with attic ventilation 24" d) Location, size and height above roof of chimneys Sheet A.1 e) Location and size of skylights Front ELEVATION Sheet A.1 f) Building height 25 + Fournilation	Applicant	Plans Exa	
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c) Overhang dimensions and detail with attic ventilation $24''$ d) Location, size and height above roof of chimneys Sheet A.! e) Location and size of skylights Front ELEVATION Sheet A! 4 Skylights foundation	8	Ð	a) All sides
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f) Building neight 23 7 FOUNDATION	8		c) Overhang dimensions and detail with attic ventilation えゲー
f) Building neight 23 7 FOUNDATION	3		d) Location size and height above root of chimneys \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
f) Building neight 23 7 FOUNDATION	9		e) Location and size of skylights FRONT ELEVATION Sheet A I LI SKYLIGHTS
e) Number of stories 2	B	-D	f) Building height 25 + FOUNDATION
		Ð	e) Number of stories 2

Floor Plan including: a) Rooms labeled and dimensioned b) Shear walls See Sheer A-7 c) Windows and doors (including garage doors) showing size, mfg., approval in Both BATh D D listing and attachment specs. (FBC 1707) and safety glazing where needed ShowN ON PLAN See ATTHACKED NOT -(egress windows in bedrooms to be shown) window size Fgress d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with TO DWNER P e) Stairs with dimensions (width, tread and riser) and details of guardrails and f) Must show and identify accessibility requirements (accessible bathroom) 32 Poor 15 FL. 5 Foundation Plan including: a) Location of all load-bearing wall with required footings indicated as standard -Or monolithic and dimensions and reinforcing See Foundation PLAN SLEET A. 7 b) All posts and/or column footing including size and reinforcing See Sheet A-8 B 0 c) Any special support required by soil analysis such as piling PLAN Special ASSUMED d) Location of any vertical steel A Soil Bearing CAPASITY OF 2000 PSF Roof System:

Need Soil ANALYSIS OF SOIL CONDITION See Special Co Roof System: a) Truss package including: Truss layout and truss details signed and sealed by Fl. Pro. Eng. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating) b) Conventional Framing Layout including: Attachment to wall and uplift \$80 D. I Sheet A-10 & Sheet A-11

3. Ridge beam sized and valley framing and support details

Ridge beam RAFTER

1. Ridge be D 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating) Wall Sections including: a) Masonry wall All materials making up wall 2. Block size and mortar type with size and spacing of reinforcement Lintel, tie-beam sizes and reinforcement Gable ends with rake beams showing reinforcement or gable truss and wall bracing details All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating) 7. Fire resistant construction (if required) 8. Fireproofing requirements 9. Shoe type of termite treatment (termicide or alternative method) 10. Slab on grade a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed) b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports 11. Indicate where pressure treated wood will be placed 12. Provide insulation R value for the following: a. Attic space b. Exterior wall cavity c. Crawl space (if applicable)

		b) Wood frame wall 1. All materials making up wall 2. Size and species of studs (ypress hog) 3. Sheathing size, type and nailing schedule (second story 1/205b) 4. Headers sized 5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail Sec Sheet A.11 6. All required fasteners for continuous tie from roof to foundation (truss anchors,
19	B	b) Wood frame wall
_	, -	1. All materials making up wall
		2. Size and species of study Size and species of study Size and Si
		3. Sheathing size, type and nailing schedule
		4. Headers sized
		5. Gable end showing balloon framing detail of gable truss and wall ringe bracing detail Sec Sheet A.11
		6. All required fasteners for continuous tie from roof to foundation (truss anchors,
		straps, anchor bolts and washers) See Steet A.//
		7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind
		resistance rating) Need Mrg Spec. 80
		-8. Fire resistant construction (if applicable)
		9. Fireproofing requirements 10. Show type of termite treatment (termicide or alternative method) See Sheet A.4
		10. Show type of termite treatment (termicide or alternative method) 325
		11. Slab on drade
		a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed
		inches and sealed b. Must show control joints, synthetic fiber reinforcement or
		welded wire fabric reinforcement and supports
		12. Indicate where pressure treated wood will be placed
		13. Provide insulation R value for the following: a. Attic space b. Exterior wall cavity C. Crawl space (if applicable)
		b. Exterior wall cavity Need To provide K VITT
		c. Crawl space (if applicable)
	-	c) Metal frame wall and roof (designed, signed and sealed by Florida Prof.
	_	Engineer or Architect)
		Floor Framing System:
D		a) Floor truss package including layout and details, signed and sealed by Florida
4		Registered Professional Engineer GATY GILL UX 10 CM 32 E Second FLOOR
40		Registered Professional Engineer GARY GILL (b) Floor joist size and spacing 2 × 10 16 0 c First Floor 4 × 10 on 32 c Second Floor (c) Girden size and spacing 3 = 2 × 10 See Peta it D/A-8
		c) Girder size and spacing 3-2×10 See Petail D/A-8
_	70	d) Attachment of joist to girder 31 4 300 203 210 07 203 210
	Ð	(wind load requirements where applicable
		Plumbing Fixture layout
-	1800	Electrical layout including:
	8	Switches, outlets/receptacles, lighting and all required GFCI outlets identified
~0	0	c) Smoke detectors Add one To Second Floor
-0		c) Smoke detectors Add ONE 110 Second Province
-0	-0	d) Service panel and sub-panel size and location(s)
D		e) Meter location with type of service entrance (overhead or and organization)
B	-0	/f) Appliances and HVAC equipment
P		g) Arc Fault Circuits (AFCI) in bedrooms
		HVAC information
		a) Manual J sizing equipment or equivalent computation
13	- 13	b) Exhaust fans in bathroom
		Energy Calculations (dimensions shall match plans)
		Gas System Type (LP or Natural) Location and BTU demand of equipment
		Disclosure Statement for Owner Builders ATTACLED IN LIVE
		***Notice Of Commencement Required Before Any Inspections Will be Done
(577)		NONE AS OF 3-24-09 Need be FOR FIRST INSPECTION
		Private Potable Water
		a) Size of pump motor SEE LYNCh LETTER
		b) Size of pressure tank
		c) Cycle stop valve if used

11	Parista de altri
16-	Provide one Addition AL SMOKE detector on second
	FLOOR
/7.	NO REC. OULCTS IN CRAWL SPACE UNLESS GFI TYPE
18	110V OULETS ON Second should be ON A AFCI CITCUIT
19	
1	

FORM 600A-2001

Project Name:

Address:

Jones Residence

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Builder:

Permitting Office:

Permit Number:

Owner: Lonny and Starr Jones Climate Zone: North New 12. Cooling systems	City, State:	,			to introduce Number				
New construction or existing Single family or multi-family Number of Bedrooms 1	Owner:	Lonny and Starr Jone	S		Jurisdiction Number:				
New construction or existing Single family or multi-family Number of units, if multi-family Number of units, if multi-family Number of units, if multi-family Number of deformoms 1	Climate Zone:	-							
Now construction to example single family or multi-family Number of units, if multi-family Number of deforms Number of Bedforms Number of		The second second second		2 (0.00)					
Single family or multi-family Number of Bedrooms Yes Is this avorst case? Is this a worst case? Is the worst case? Is the worst cas	. New construction	on or existing	New			C 26 0 laDes/lar			
Number of units, if multi-family Number of Bedrooms Is this aworst case? Conditioned floor area (ft²) Glass area & type a. Clear glass, default U-factor 32.0 ft² 267.0 ft² b. Default tint, default U-factor 32.0 ft² 267.0 ft² c. Labeled U-factor or SHGC 0.0 ft² b. Default tint, default U-factor 0.0 ft² c. Labeled U-factor or SHGC 0.0 ft² b. N/A c. N/A d. N/A c. N/A d. N/A			Single family	8	a. Central Unit	•			
Number of Bedrooms Is this a worst case? Is first worst worst worst case? Is first worst wors			1			SEER: 12.00			
Is this a worst case? Yes Conditioned floor area (ft?) Glass area & type Single Pane Sin			1	- 1	o. N/A	-			
Is in a worst away. Conditioned floor area (R²) Glass area & type a. Clear glass, default U-factor b. Default tint, default U-factor c. Labeled U-factor or SHGC b. Default tint, default U-factor c. Labeled U-factor or SHGC c. Labeled U-factor or SHGC b. N/A c. N/A c. N/A c. N/A c. N/A d. N/A d. N/A c. N/A d. N/A d. N/A c. N/A d. N/A c. N/A d. N/A d. N/A c. N/A d. N/A c. N/A d. N/A d. N/A d. N/A c. N/A d.			Yes	_		_			
Glass are & type a. Clear glass, default U-factor b. Default intia default U-factor c. Labeled U-factor or SHGC 0.0 ft² 6. Labeled U-factor or SHGC 0.0 ft² 6. N/A 1. N/A 2. N/A 2. N/A 2. N/A 3. Wall types a. Deg. 6 inch, Exterior b. N/A 6. N/A 7. C-Multizone coding, MZ-H-Multizone heating) MZ-C-Multizone coding, MZ-H-Multizone coding, MZ-H-Multizone coding. 6. N/A 6. N/A 6. N/A 6. N/A 6. N/A 6. N/A 7. Challing fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone coding, MZ-H-Multizone coding, MZ-H-Multizone coding. 6. N/A 7. Challing fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone coding, MZ-H-Multizone coding coding with the Florida Energy Code. 7. PASS 7. PA			1350 ft ²		e. N/A	-			
a. Clear glass, default U-factor b. Default tint, default U-factor c. Labeled U-factor or SHCC 0.0 ft²						-			
a. Electric Heat Pump b. Default unit, default U-factor or SHGC c. Labeled U-factor or SHGC 0.0 ft² 0				13	. Heating systems	Section - Comment theorem there is a supplied to			
b. Default fills, details of Stig C									
b. N/A c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump) c. N/A- c. N/A c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump) c. N/A- c. N/A						HSPF: 7.00			
a. Raised Wood, Post or Pier b. N/A c. N/A 9. Wall types a. Log, 6 inch, Exterior b. N/A c. N/A d. N/A c. N/A d. N/A c. N/A d. N/A c. N/A 11. Ducts(Leak Free) a. Sup; Une. Ret: Une. AH: Interior b. N/A C. N/A D. Wall types a. Under Attic b. N/A c. N/A c. N/A l. Ducts(Leak Free) a. Sup; Une. Ret: Une. AH: Interior b. N/A C. N/A I. Deters(Leak Free) a. Sup; Une. Ret: Une. AH: Interior b. N/A Class/Floor Area: 0.22 Total as-built points: 16601 Total base points: 17307 I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: DATE: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: Bull DING OFFICIAL: DATE: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. Bull DING OFFICIAL: DATE: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. Bull DING OFFICIAL: DATE: I hereby certify that this building As designed, is in compliance with the Florida Energy Code. Bull DING OFFICIAL: DATE:		or or singe 0.0 it	0.0 10	_	b. N/A	-			
b. N/A c. N/A c. N/A d. Wall types a. Log, 6 inch, Exterior b. N/A c. N/A d. Under Attic b. N/A c. N/A d. N/A d. N/A d. N/A d. N/A c. N/A d. N		p · · · Pi P	=13.0.780.0ft ²						
b. N/A c. N/A d) Wall types a. Log. 6 inch, Exterior b. N/A c. N/A d. N/A d. N/A e. N/A 10. Ceiling types a. Under Attic b. N/A 11. Duets(Leak Free) a. Sup: Unc. Ret: Unc. AH: Interior b. N/A 12. Chylote Residence b. N/A 13. Duets(Leak Free) a. Sup: Unc. Ret: Unc. AH: Interior b. N/A 14. Hot water systems a. Electric Resistance b. N/A c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump) 15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating) AZ-C-Multizone cooling, MZ-H-Multizone heating AZ-C-Multizone cooling, MZ-H-Multizone hea		Post of Fier	15.0, 700.011	-	c. N/A	_			
14. Hot water systems a. Log. 6 inch, Exterior b. N/A c. N/A d. N/A e. N/A 10. Celling types a. Under Attie b. N/A 11. Duets(Leak Free) a. Sup: Unc. Ret: Unc. AH: Interior b. N/A Glass/Floor Area: 0.22 Total as-built points: 16601 Total base points: 17307 I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: 14. Hot water systems a. Electric Resistance b. N/A c. Cap: 40.0 gallons EF: 0.97 b. N/A c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump) 15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating) MZ-C. PT, CF, MZ- Cap: 40.0 gallons EF: 0.97 b. N/A c. Conservation credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating) 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:						_			
a. Log. 6 inch, Exterior b. N/A c. N/A d. N/A e. N/A d. N/A c. N/A d. N/A d. N/A c. N/A d. N/A c. N/A d. N/A d. N/A d. N/A c. N/A d. N/				- 14	Hot water systems				
a. Log, 6 inch, Exterior b. N/A c. N/A d. N/A e. N/A 10. Ceiling types a. Under Attic b. N/A 11. Ducts(Leak Free) a. Sup: Unc. Ret: Unc. AH: Interior b. N/A 11. Ducts(Leak Free) a. Sup: Unc. Ret: Unc. AH: Interior b. N/A 11. Ducts(Leak Free) a. Sup: Unc. Ret: Unc. AH: Interior b. N/A 11. Ducts(Leak Free) a. Sup: Unc. Ret: Unc. AH: Interior b. N/A 11. Ducts(Leak Free) a. Sup: Unc. Ret: Unc. AH: Interior b. N/A 11. Ducts(Leak Free) a. Sup: Unc. Ret: Unc. AH: Interior b. N/A Sup. R=6.0, 214.0 ft Total base points: 16601 Total base points: 17307 Review of the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: DATE: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: Bill DING OFFICIAL: DATE: DATE: DATE:			-0.0 1215 0 ft2	**		Cap: 40.0 gallons			
c. N/A d. N/A e. N/A 10. Ceiling types a. Under Attic b. N/A 11. Ducts(Leak Free) a. Sup: Unc. Ret: Unc. AH: Interior b. N/A Class/Floor Area: 0.22 I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: C. Conservation credits (HR.Heat recovery, Solar DHP-Dedicated heat pump) I hydrocredits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating) MZ-C-Multizone cooling, MZ-H-Multizone heating) 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:	a. Log, 6 inch, Ex	cterior R	=0.0, 1313.0 10	_	a. Electric reconstance	EF: 0.97			
d. N/A e. N/A 10. Ceiling types a. Under Attic b. N/A c. N/A 11. Ducts(Leak Free) a. Sup; Unc. Ret: Unc. AH: Interior b. N/A Glass/Floor Area: 0.22 Total as-built points: 16601 Total base points: 17307 Review of the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: DATE: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: C. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump) HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating) MZ-C, PT, CF, MZ-CF,	b. N/A			-	h N/A	_			
e. N/A 10. Ceiling types a. Under Attic b. N/A c. N/A 11. Ducts(Leak Free) a. Sup: Unc. Ret: Unc. AH: Interior b. N/A Glass/Floor Area: 0.22 Total as-built points: 16601 Total base points: 17307 Review of the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: DATE: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: C. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump) I hyAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone heating) MZ-C, PT, CF, MZ-MZ-C-Multizone cooling, MZ-H-Multizone heating) 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:	c. N/A			_	0. 1074				
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a. Under Attic b. N/A c. N/A 11. Duets(Leak Free) a. Sup: Unc. Ret: Unc. AH: Interior b. N/A Glass/Floor Area: 0.22 Total as-built points: 16601 Total base points: 17307 I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: DATE: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: DHP-Dedicated heat pump) MZ-C. PT, CF, MZ- (CF-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating) MZ-C. PT, CF, MZ- CAPT CF, MZ- Total as-built points: 16601 Total base points: 17307 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: DAT	e. N/A			-					
a. Under Attic b. N/A c. N/A 11. Ducts(Leak Free) a. Sup: Unc. Ret: Unc. AH: Interior b. N/A Glass/Floor Area: 0.22 Total as-built points: 16601 Total base points: 17307 I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: DATE: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: 15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating) 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:	Ceiling types	_							
b. N/A c. N/A II. Ducts(Leak Free) a. Sup: Unc. Ret: Unc. AH: Interior b. N/A Glass/Floor Area: 0.22 Total as-built points: 16601 Total base points: 17307 Review of the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: DATE: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: Building will be inspected for compliance with Section 553.908 Florida Statutes. Building OFFICIAL: DATE: Building OFFICIAL: DATE: Building OFFICIAL: DATE: DATE: DATE: Building OFFICIAL: DATE: DATE: DATE: Building OFFICIAL: DATE: D	a. Under Attic	R=	=19.0, 1013.0 ft	1		MZ-C, PT, CF, MZ-			
DATE: In Ducts(Leak Free) Sup. R=6.0, 214.0 ft Total as-built points: 16601 Total base points: 17307 In Date: In Date: In Ducts(Leak Free) In Ducts(Leak Free) In Date: In Ducts(Leak Free) In HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating) In Ducts(Leak Free) In Date: In D	b. N/A			1					
A. Sup: Unc. Ret: Unc. AH: Interior b. N/A Glass/Floor Area: 0.22 Total as-built points: 16601 Total base points: 17307 Review of the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating) PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating) PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating) PASS 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:				_	[Picture 1996] [1997] [
a. Sup: Unc. Ret: Unc. AH: Interior b. N/A Glass/Floor Area: 0.22 Total as-built points: 16601 Total base points: 17307 Review of the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: Sup. R=6.0, 214.0 It PT-Programination Frictionals, MZ-C-Multizone cooling, MZ-H-Multizone heating) 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:	11. Ducts(Leak Fr	ree)		-					
Glass/Floor Area: 0.22 Total as-built points: 16601 Total base points: 17307 Review of the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: MZ-H-Multizone heating) 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:	a. Sup: Unc. Re	t: Unc. AH: Interior Sup	R=6.0, 214.0 ft						
Glass/Floor Area: 0.22 Total as-built points: 16601 Total base points: 17307 Review of the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: Total as-built points: 16601 Total base points: 17307 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:	b. N/A								
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by this calculation are in compliance with the Florida Energy Code. PREPARED BY: DATE: I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: Byechication's 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:	I hereby certify	that the plans and specific	cations cover	ed	Review of the plans and	THE STATE			
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: DATE:	by this calculat	tion are in compliance with	the Florida		calculation indicates compliance				
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: DATE:	PREPARED	BY: BANY	(7)K	-	Before construction is completed this building will be inspected for				
OWNER/AGENT: BUILDING OFFICIAL:	I hereby certify that this building, as designed, is in				compliance with Section 553.908				
DATE:				_					
	DATE:				DATE:				

EnergyGauge® (Version: FLRCSB v3.4)

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: ,,,

PERMIT #:

В	ASE		Ì			AS-	BUI	LT					
GLASS TYPES .18 X Conditioned Floor Area	d X BSPI	M = Po	ints	Type/SC	Ove Ornt	erhang Len	Hgt	Area X	-		G00 100 100	ALL VIOLENCE	
.18 1350.0	20	.04	4869.7	Double, Clear	E	8.8	6.0	14.0	42.06).44		7.9
.18 1350.0	20			Double, Clear	E	8.0	4.5	9.5	42.06	1 3	0.40	161	1.0
			1	Double, Clear	E	1.5	6.0	42.0	42.06		0.91		8.9
			- 1	Double, Clear	E	1.5	4.5	9.5	42.06		0.85 0.67		4.9
			1	Double, Clear	N	8.0	5.8	27.0	19.20		0.94		2.5
				Double, Clear	N	1.5	5.8	13.5	19.20				4.5
				Double, Clear	W	8.0	5.5	54.0	38.52		0.45	321	
				Double, Clear	W	1.0	5.0	88.0	38.52		0.95		
				Single, Clear	S	8.0	5.8	18.0	40.8		0.48		53.7 55.7
				Double, Clear	S	8.0	4.5	9.5	35.8	100	0.46		
				Single, Clear	S	1.5	6.0	14.0	40.8	1	0.86	40	39.2
				As-Built Total:				299.0				81	18.4
WALL TYPES	Area X	BSPM	= Points	Туре		F	R-Valu	ie Are	a X	SPM	=	Poir	nts
WATER THE PARTY OF		-		Log, 6 inch, Exterior			0.0	1315.0		1.50		19	72.
Adjacent Exterior 1	0.0 1315.0	0.00 1.70	0.0 2235.5	Log, 6 IIICII, Exterior									
Base Total:	1315.0		2235.5	As-Built Total:			1000	1315.0					72.
DOOR TYPES	Area X	BSPM	= Points	Туре				Are	ea X	SPN	Λ =	-	nts
Adjacent Exterior	0.0 42.0	0.00 6.10	0.0 256.2	Exterior Wood				42.0		6.10		2	.00.
Base Total:	42.0		256.2	As-Built Total:				42.0					256
CEILING TYPES	Area X	BSPM	= Points	Туре		R-V	alue	Area X	-	The same of	MARKET STREET	-	-
Under Attic	780.0	1.73	1349.4	Under Attic			19.0	1013.0	2.34	X 1.00)		370
Base Total:	780.0		1349.4	As-Built Total:				1013.0					370
FLOOR TYPES	Area X	BSPM	= Points	Туре			R-Va	lue Ar	rea X		-	= Po	-
Slab Raised	0.0(p) 780.0	0.0 -3.99	0.0 -3112.2		er		13.	0 780.0)	0.98	3		766
Base Total:			-3112.2	As-Built Total:				780.0)				76
INFILTRATION	Area >	(BSPN	I = Points					А	rea X	SP	M	= Po	oin
	1350.0	10.21	13783.5	5				13	350.0	10.3	21	13	783

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

	DEDMIT #:
ADDRESS: , , ,	PERMIT #:
ADDITEOU. ; ; ;	

	BASE		AS-BUILT							
Summer Base	Points:	19382.1	Summer As-Built F		27267.6					
Total Summer 2		Cooling Points	Total X Cap X Component Ratio	(Duct X System X Multiplier Multiplier DM x DSM x AHU)	Credit = Multiplier	Cooling Points				
19382.1	0.4266	8268.4	27267.6 1.000 (27267.6 1.00	1.090 x 1.000 x 0.91) 0.284 0.992 0.284	0.857 0.857	6595.4 6595.4				

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE					AS-	BUI	LT				
GLASS TYPES											
.18 X Conditioned X BWP Floor Area	M = Po	oints	Type/SC	Ove Ornt	rhang Len	Hgt	Area X	WPI	ИΧ	WOF	= Points
.18 1350.0 12.	74 3	3095.8	Double, Clear	Е	8.8	6.0	14.0	18.7		1.38	363.8
.16			Double, Clear	E	8.0	4.5	9.5	18.7		1.43	255.7
			Double, Clear	E	1.5	6.0	42.0	18.7		1.04	817.3
			Double, Clear	E	1.5	4.5	9.5	18.7		1.06	189.3
			Double, Clear	N	8.0	5.8	27.0	24.5		1.02	678.1
			Double, Clear	N	1.5	5.8	13.5	24.5		1.00	332.7
			Double, Clear	W	8.0	5.5	54.0	20.7		1.20	1345.2
			Double, Clear	W	1.0	5.0	88.0	20.7		1.01	1848.9 1157.9
			Single, Clear	S	8.0	5.8	18.0	20.2		3.18	436.9
			Double, Clear	S	8.0	4.5	9.5	13.3		3.46 1.12	316.7
			Single, Clear	S	1.5	6.0	14.0	20.2	24	1.12	310.1
			As-Built Total:				299.0				7742.5
WALL TYPES Area X B	WPM =	Points	Туре		R	-Value	e Area	яΧ	WPN	1 =	Points
Adjacent 0.0 Exterior 1315.0	0.00 3.70	0.0 4865.5	Log, 6 inch, Exterior			0.0	1315.0		4.50		5917.
Base Total: 1315.0		4865.5	As-Built Total:				1315.0			100	5917.
DOOR TYPES Area X E	BWPM =	Points	Туре				Area	X	WPN	1 =	Points
Adjacent 0.0	0.00	0.0	Exterior Wood				42.0		12.30		516.
Exterior 42.0	12.30	516.6									
Base Total: 42.0		516.6	As-Built Total:				42.0				516.
CEILING TYPES Area X E	BWPM =	= Points	Туре		R-Valu	ie A	rea X V	NPM	X W	CM =	Points
Under Attic 780.0	2.05	1599.0	Under Attic			19.0	1013.0	2.70	X 1.00	MI	2735
Base Total: 780.0		1599.0	As-Built Total:				1013.0				2735
FLOOR TYPES Area X I	BWPM :	= Points	Туре		F	R-Valu	e Are	a X	WPI	M =	Points
Slab 0.0(p) Raised 780.0	0.0 0.96	0.0	Raised Wood, Post or Pie	r		13.0	780.0		1.38	3	1077
Base Total:		748.8	As-Built Total:				780.0				1077
INFILTRATION Area X	BWPM	-					Are	aХ	WP	M =	Points
Manual Control of the							135		-0.5	160)	-796.

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT		Post Control Control			
Winter Base Points:	10029.2	Winter As-Built Points: 17						
Total Winter X System Points Multipli	= Heating er Points	Component	Duct X System X Multiplier Multiplier M x DSM x AHU)	Credit = Multiplier	Heating Points			
10029.2 0.627	6292.3	17192.8 1.000 (1.0 17192.8 1.00	0.994 0.487	0.902 0.902	7514.7 7514.7			

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: ,,, PERMIT #:

	BASE						AS-BUILT								
WATER HEA Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier)	Credit Multiplie				
1		2746.00		2746.0	40.0	0.97	1		1.00	2491.22	1.00	2491.2			
					As-Built To	otal:						2491.2			

				CODE	C	OMPLI	ANCE	S	TATUS	S			
LOV MARKET STREET		BAS	SE							AS	-BUILT		
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
8268		6292		2746		17307	6595		7515		2491		16601

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: 3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.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	606.1.ABC.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	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of 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	606.1.ABC.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 rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	6 119
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit	
	22	breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	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	
	odroe min i	efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically	1.00
		attached, sealed, insulated, and installed in accordance with the criteria of Section 610.	
		Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides.	
		Common ceiling & floors R-11.	

Telephone# 863-294-6921 386-497-2639 386-362-3678 25+ FOUNDATION

Name Builder LAWRENCE JONES Owner SAME Engineer GARY J. GILL PF 51942 Designer SUWANNER River Log Homes INC RJRJR Heated & Cooled Area 1351 **Building Height** Front Porch Roof Pitch **Back Porch** 490 Garage Total 2503 ecived 3-23-05 1. Need 911 Address 247 Deleware way 2. NO NOTICE OF COMMENCEMENT Need before First INSPECTION 3. Need Proof of ownership FULL LEGAL description of property 4. Need MFG APPROVAL, LISTING AND ATT ACK MENT SPEC ON ALL WINDOWS, DOOR AND SKYLITES 5. Need Fire PLACE SPEFICATION WITH MFG SPEC. V6. Give HEARTH DETAIL FIRE PRODERING 7. Show Greater detail on STAIRS 90° LANding Rise & Trend with 18. Need Soil ANALYSIS TO CONFORM Soil is 2000 PSF Sex Spec. Sheet Al 9. NEED MFg SPE: ON METAL ROOFING MATERIAL WIND LOAD DESGIN 10. Need MFg SPC ON 3" RIGID IN SULATION MI. Show He Ader Framing Schedule For interior And Exterior LOAD BEARing Opening 12, Show Exterior & INTerior Fire STOPING METHOD FOR ANY PENTERTION 13. Provide R VALUE For ATTIC SPACE SECOND STORY EXTERON WALL AND CHAI SPACE 14. ALL INTERIOR WALL OUTLET BOX SHALL be METAL TYPE Secured by OUTER EARS THAT ARE Embeded in TO LOG WALLS

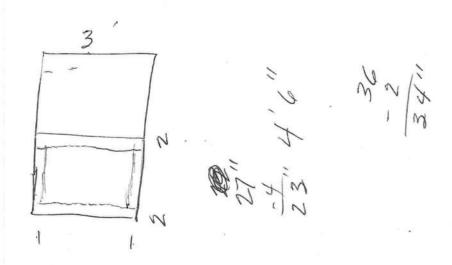
15 DNE window in MASTER bed room SHALL MEET FEC chapter 1005.44

Exception minimum NET CLEAR OPENING OF 554 FT. SECOND FLOOR WINDOWS AT LEAST ONE Shall HAVE 5.7 SK ET clear opening

See ATTACK code

CHECKLIST FOR RESIDENTIAL/COMMERCIAL

T	A DRIVING A THON (COMPA TEED)
	APPLICATION (COMPLETED) APPLICATION 02-0100N
0	ENVIRONMENTAL HEALTH/SIGNED SITE PLAN(WITH DEMENSIONS)
	911 ADDRESS
	WARRANTY DEED
	RESIDENTIAL CHECK LIST
	WELL INFORMATION (ON PLANS OR LETTER FROM WELL DRILLER)
	DRIVEWAY CONNECTION (CULVERT PERMIT OR CULVERT WAIVER)
	DRIVING DIRECTIONS(ALL ROAD NAMES INCLUDED)
	RECORDED NOTICE OF COMMENCEMENT
	SITE PLAN WITH ACTUAL DISTANCE OF STUCTURE TO PROPERTY LINE



23836



UNIVERSAL

ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering •
Environmental Sciences • Construction Materials Testing

REPORT ON IN-PLACE DENSITY TESTS

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

CLIENT: Richardson Site	Pren	
PROJECT: JONES BESIN		
AREA TESTED: Fill Vorop Bldg	pod	
TYPE OF TEST: ASTM & 2922	DEPTH OF TEST:	0-1'
NOTE: The below tests DO DO NOT meet the minimum of maximum density.	9 compaction re	quirements
REMARKS:		

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	MOIST.	OPT. MOIST.
		107,1			1014
Opprex 10° NW of +2		1			100
UBE CONNER DERRO	102.1		993	4.8	The Commence of the Commence o
approx center of pal	101.9		95,1	5.1	
Horner of pat	102.2		95,4	5.0	
	in .			8	
		V			



Lonny and Starr Jones

STRUCTURAL AND WIND LOAD CALCULATIONS

For

Suwannee River Log Homes

Gary Gill, P.E. 51942 P.O. Box 187 130 West Howard Street Live Oak, FL 32064 Ph. (386) 362-3678 Fax (386) 362-6133

AUTH # 9461

Project name:

Jones Residence

Project:

PF05-xxx

Client

SRLH

Calculations:

Gary Gill, PE

Date:

2/1/2005

Design Basis

Design Loads

Wind Load

110

Floor Live Load

Sleep Areas =

30 psf

All Others =

40 psf

Floor Dead Load

10 psf

Wall Dead Load Roof Live Load

10 psf

20 psf

Roof Dead Load

10 psf

Load Combinations

DL + LL(floor) + LL (roof)

DL + LL(floor) +WL

DL + WL

Wind load

Exposure B

I	
T .	
1	
1	
1	

Building Information

Shape

Rectangle

Length

30 ft

Width

26 ft

Type

2 Stories

References

2001 Florida Building Code

ASCE 7-98 Minimum Design Loads for Buildings and Other Structures

AITC Timber Construction Manual

Jones Residence PF05-xxx SRLH Project Name Project Number Client

Date

2/1/2005

Windloading

DATA SHEET
Wind
Building Length
Building Width
Type

110 mph 30 ft 26 ft 2 Stories

LOAD SHEET DATA

RAFTERS

	à		Rafter Horz.		Dead Load	Live Load	Wind Load			
Element	Description	Spacing (ft)	Length (ft)	Pitch (:12)	(bst)	(bst)	(bst)	R1	R2	¥
Rafter 1	Profile - 3:12 Pitch	4	13	8	10	20	-21.37	1.00	1	52
Rafter 2	Profile - 10:12 Pitch	4	13	10	10	14	-18.92	1.00	0.7	52
Rafter 3	Porch Rafter	4	8	4	10	20	-19.82	-	1	32

RIDGE BEAMS

		Tributary	Beam	Dead Load	Live Load	Wind Load			
Element	Description	Width	Length (ft)	(bst)	(bst)	(bst)	R1	R2	At
after1	Rafter	13	30	10	12.96	-21.37	0.81	0.8	390

WALL LOADS Dead Wall heigth

7 psf 8 psf

			Dead Load	Live Load	Tributary	Beam				Live Load
Element	Description	Spacing (ft)	(bst)	Lo(psf)	Width	Length (ft)	At	₹	Ladjust	L)psf)
Floor Joist 1	4x10 D.F 2nd FL	2.67	10	40	2.67	13	34.67	2	82.06	40.00
Floor Joist 1	2x10 SYP 1st FL	1.33	10	40	1.22	13	15.86	2	116.53	40.00

FLOOR GIRDERS

40.00	09.16	7	104.00	8.00	13.00	40	10	(3)2x10 - 1st FL	Floor Girder 2
0000	00 72	0	00,00	000					
40	46.64	2	134.09	11.66	11.50	40	10	6x10 - 2nd FL	Floor Girder 1
(jsd(Ladjust	KII	At	Length (ft)	Width	(bst)	(bst)	Description	Element
Live Load L				Beam	Tributary	Live Load	Dead Load		

TRUSS UPLIFT

						Winward		
						Overhang	Winward	Leeward
Element	Description	Spacing (in)	Pitch (:12) Span (ft) Dead (psf)	Span (ft)	Dead (pst)	(bst)	Roof (psf) Roof (psf	Roof (psf
7150 1	TR-1 Special Truss (Front)	24	9	25.66	10	-40.58	-18.92	-10.74
T CCD	(112.1)							
	The second state of the second	The Contract of the Contract o						

BEAMS

		Dead Load	Live Load	Tributary	Beam				Live Load L
Element	Description	(pst)	(bst)	Width	Length (ft)	At	¥	Ladjust	(Jsd(
Floor Girder 2 -BW	(3)2x10 - 1st FL	10	40	13.00	11.66	151.58	2	44.46	40

SHEARWALLS

1st Floor Height
2nd Floor height
Surface1
Surface2
Surface3
Surface4
Surface5

11.04 psf 1.22 psf -4.04 psf -3.19 psf 8.78 psf -1.66 psf



Project name: Project number: Jones Residence

Date: Client: PF05-xxx 2/1/2005 SRLH

Calc's by:

GG

RAFTER LOADS

							Lo	ads			
Element	Spacing (ft)	Length (ft)	Pitch (:12)	Dead (psf)	Live (psf)	w dead "D" (plf)	w live "L" (plf)	D+L	Wind (psf)	w wind "W" (plf)	0.6D+W
Rafter 1	4	13	3	10	20	41.23	80.00	121.23	-21.37	-65.67	-40.93
Rafter 2	4	13	10	10	14	52.07	56.00	108.07	-18.92	-58.14	-26.90
Rafter 3	4	8	4	10	20	42.16	00.03	122.16	-19.82	-75.21	-49.91

RIDGE BEAMS

Element	Tributary Width (ft)	w dead "D" (plf)	w live "L" (plf)	D+L	Wind (psf)	w wind "W" (plf)	0.6D+W
Rafter1	13	183.85	260.00	443.85	-21.37	-392.88	-282.57

Load factor based on slope pitch (x/12) Load factor:

12 1.41

***pitch of 12 used as conservative

WALL LOADS

Dead (psf)	Wall Height (ft)	w dead "D" (plf)
7	8	56

***only used if wall is load bearing

FLOOR JOIST

Element	Spacing	Dead (psf)	Live (psf)	w dead "D" (plf)		D+L (plf)
Floor Joist 1	2.67	10	40	26.67	106.67	133.33
Floor Joist 1	1.33	10	40	13.30	53.20	66.50

GIRDERS

Element	Tributary Width (ft)	Dead (psf)	Live (psf)	w dead (plf)	w live (plf)
Floor Girder 1	11.50	10	40	115.00	460.00
Floor Girder 2	13.00	10	40.00	130.00	520.00
		-			

BEAMS

Element	Tributary Width (ft)	Dead (psf)	Live (psf)	w dead (pif)	w live (plf)
Floor Girder 2 -	13	20	80	316.00	1040.00

Wind Load Design per ASCE 7-98

Description: SRLH -Jones - low roof

Analysis by: Gary Gill

User Input Data			
Structure Type	Building		
Basic Wind Speed (V)	110	mph	
Structural Category	11		
Exposure	В		
Struc Nat Frequency (n1)	1	Hz	
Slope of Roof (Theta)	14.03	Deg	
Type of Roof	Gabled		
Kd (Directonality Factor)	0.85		
Eave Height (Eht)	21.75	ft	
Ridge Height (RHt)	24.58	ft	
Mean Roof Height (Ht)	23.00	ft	
Width Perp. To Wind Dir (B)	26.00	ft	
Width Paral. To Wind Dir (L)	30.00	ft	
Damping Ratio (beta)	0.02		

Red values should be chan	ged only throug	gh "Main Menu"
---------------------------	-----------------	----------------

Calculated Parameter	rs
Type of Structure	
Height/Least Horizontal Dim	0.88
Flexible Structure	No

Calculated	Parameters	3
Importance Factor	1	
Hurricane Prone F	Region (V>100 r	nph)
Table Co	6-4 Values	70=11-0-0
Alpha =	7.000	
zg =	1200.000	
-2-631 14 44		
e w		
ia .		
100		
At =	0.143	i matt
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
1 =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

	Gust Factor Category I: Rigid Structures - Simplified Method	
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85
	Gust Factor Category II: Rigid Structures - Complete Analysis	5
Zm	Zmin	30.00 f
Izm	Cc * (33/z)^0.167	0.3048
Lzm	I*(zm/33)^Epsilon	309.99 f
Q	(1/(1+0.63*((Min(B,L)+Ht)/Lzm)^0.63))^0.5	0.9140
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8742
	Gust Factor Summary	
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85

Wind Load Design per ASCE 7-98

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)

Elev	Kz	Kzt	qz	Pressure (lb/ft^:	
				Windwa	rd Wall*
ft			lb/ft^2	+GCpi	-GCpi
24.58	0.66	1.00	17.43	8.77	14.93
23	0.65	1.00	17.10	8.55	14.70
21.75	0.64	1.00	16.83	8.36	14.52
20	0.62	1.00	16.43	8.09	14.25
15	0.57	1.00	15.13	7.21	13.37

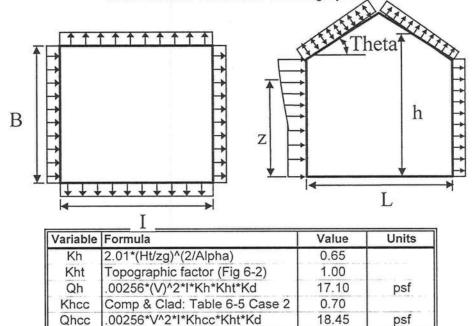
Table 6-7 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi		
	Max +	Max -	
Open Buildings	0.00	0.00	
Partially Enclosed Buildings	0.55	-0.55	
Enclosed Buildings	0.18	-0.18	
Enclosed Buildings	0.18	-0.18	

Wind Load Design per ASCE 7-98

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Wall Pressure Coefficients, Cp		
Surface	Ср	
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.8	

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	_
Reduction Factor	1.00

Calculations for Wind Normal to 26 ft Face	Ср	Pressure	e (psf)
Additional Runs may be req'd for other wind directions	3576	+GCpi	-GCpi
Leeward Walls (Wind Dir Normal to 26 ft wall)	-0.47	-9.90	-3.74
Side Walls	-0.70	-13.25	-7.10
Roof - Wind Normal to Ridge (Theta>=10) - for	or Wind Norr	mal to 26 ft fa	ice
Windward - Max Negative	-0.91	-16.29	-10.14
Leeward Normal to Ridge	-0.56	-11.27	-5.11
Overhang Top (Windward)	-0.91	-13.21	-13.21
Overhang Top (Leeward)	-0.56	-8.19	-8.19
Overhang Bottom (Applicable on Windward only)	0.80	11.44	11.44
Roof - Wind Parallel to Ridge (All Theta) - fo	r Wind Norm	nal to 26 ft fac	ce
Dist from Windward Edge: 0 ft to 11.5 ft	-1.11	-19.26	-13.10
Dist from Windward Edge: 11.5 ft to 23 ft	-0.79	-14.61	-8.45

^{*} Horizontal distance from windward edge

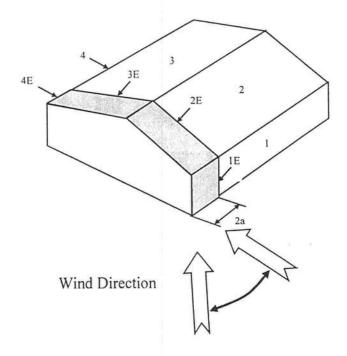
Wind Load Design per ASCE 7-98

Figure 6-4 - External Pressure Coefficients, GCpf Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(Ht/zg)^(2/Alpha)	=	0.65
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	17.10

Case A						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.48	0.18	-0.18	17.10	5.10	11.25
2	-0.69	0.18	-0.18	17.10	-14.88	-8.72
3	-0.44	0.18	-0.18	17.10	-10.54	-4.38
2 3 4 5 6	-0.37	0.18	-0.18	17.10	-9.48	-3.32
5	0.00	0.18	-0.18	17.10	-3.08	3.08
6	0.00	0.18	-0.18	17.10	-3.08	3.08
1E	0.72	0.18	-0.18	17.10	9.31	15.46
2E	-1.07	0.18	-0.18	17.10	-21.37	-15.22
3E	-0.63	0.18	-0.18	17.10	-13.79	-7.63
4E	-0.56	0.18	-0.18	17.10	-12.59	-6.44
5E	0.00	0.18	-0.18	17.10	-3.08	3.08
6E	0.00	0.18	-0.18	17.10	-3.08	3.08

^{*} p = qh * (GCpf - GCpi)



Wind Load Design per ASCE 7-98

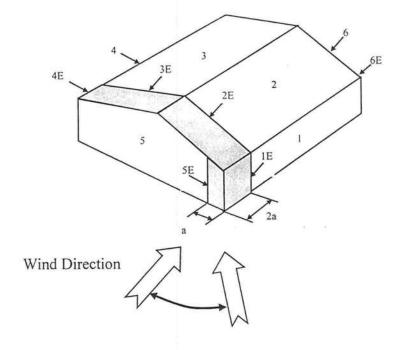
Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(Ht/zg)^(2/Alpha)	=	0.65
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	17.10

	Case B								
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)			
1	-0.45	0.18	-0.18	17.10	-10.77	-4.62			
2	-0.69	0.18	-0.18	17.10	-14.88	-8.72			
3	-0.37	0.18	-0.18	17.10	-9.40	-3.25			
4	-0.45	0.18	-0.18	17.10	-10.77	-4.62			
5	0.40	0.18	-0.18	17.10	3.76	9.92			
6	-0.29	0.18	-0.18	17.10	-8.04	-1.88			
1E	-0.48	0.18	-0.18	17.10	-11.28	-5.13			
2E	-1.07	0.18	-0.18	17.10	-21.37	-15.22			
3E	-0.53	0.18	-0.18	17.10	-12.14	-5.98			
4E	-0.48	0.18	-0.18	17.10	-11.28	-5.13			
5E	0.61	0.18	-0.18	17.10	7.35	13.51			
6E	-0.43	0.18	-0.18	17.10	-10.43	-4.27			

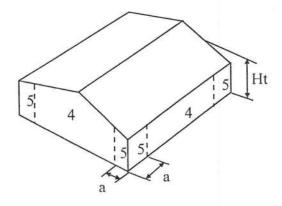
^{*} p = qh * (GCpf - GCpi)

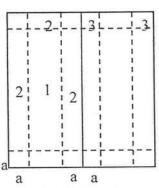


Wind Load Design per ASCE 7-98

Figure 6-5 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft





Gabled Roof 10 < Theta <= 45

a = 2.6 ==> 3.00 ft

Component	Width	idth Span Ar		Area Zone		GCp		Wind Press (lb/ft^2)	
Component	(ft)	(ft)	(ft^2)		Max	Min	Max	Min	
ROOF	10	1	10.00	1	0.50	-0.90	12.54	-19.92	
Walls	10	1	10.00	4	1.00	-1.10	21.77	-23.61	
roof edge	10	1	10.00	2	0.50	-2.10	12.54	-42.06	
Wall edge	10	1	10.00	5	1.00	-1.40	21.77	-29.15	
Roof overhang	10	1	10.00	2H	0.50	-2.20	10.00	-40.58	

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

Wind Load Design per ASCE 7-98

Description: SRLH -Jones - porch

Analysis by: Gary Gill

User Input Data				
Structure Type	Building			
Basic Wind Speed (V)	110	mph		
Structural Category	11			
Exposure	В			
Struc Nat Frequency (n1)	1	Hz		
Slope of Roof (Theta)	23	Deg		
Type of Roof	Gabled			
Kd (Directonality Factor)	0.85			
Eave Height (Eht)	12.75	ft		
Ridge Height (RHt)	13.25	ft		
Mean Roof Height (Ht)	13.00	ft		
Width Perp. To Wind Dir (B)	8.00	ft		
Width Paral. To Wind Dir (L)	30.00	ft		
Damping Ratio (beta)	0.02			

Red values should be changed only through "Main Menu"

Calculated Parameter	rs
Type of Structure	
Height/Least Horizontal Dim	1.63
Flexible Structure	No

Calculated	Parameters	
Importance Factor	1	
Hurricane Prone F	Region (V>100 m	nph)
Table Co	6-4 Values	
Alpha =	7.000	
zg =	1200.000	
553		
H E		
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
T=	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Gust Factor Category I: Rigid Structures - Simplified Method	
For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85
Gust Factor Category II: Rigid Structures - Complete Analysis	3
Zmin	30.00 ft
Cc * (33/z)^0.167	0.3048
The state of the s	309.99 ft
	0.9468
0.925*((1+1.7*lzm*3.4*Q)/(1+1.7*3.4*lzm))	0.8936
Gust Factor Summary	
Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85
	For rigid structures (Nat Freq > 1 Hz) use 0.85 Gust Factor Category II: Rigid Structures - Complete Analysis Zmin Cc * (33/z)^0.167 I*(zm/33)^Epsilon (1/(1+0.63*((Min(B,L)+Ht)/Lzm)^0.63))^0.5 0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))

Wind Load Design per ASCE 7-98

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)

Elev	Kz	Kzt	qz	Pressure (lb/ft^		
				Windward Wall*		
ft			lb/ft^2	+GCpi	-GCpi	
15	0.57	1.00	15.13	7.57	13.01	

Table 6-7 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi		
	Max +	Max -	
Open Buildings	0.00	0.00	
Partially Enclosed Buildings	0.55	-0.55	
Enclosed Buildings	0.18	-0.18	
Enclosed Buildings	0.18	-0.18	

Wind Load Design per ASCE 7-98

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems h В Z Value Units Variable Formula 0.57 2.01*(15/zg)^(2/Alpha) Kh 1.00 Topographic factor (Fig 6-2) Kht .00256*(V)^2*I*Kh*Kht*Kd 15.13 psf Qh Comp & Clad: Table 6-5 Case 2 0.70 Khcc .00256*V^2*I*Khcc*Kht*Kd 18.45 psf Qhcc

Wall Pressure Coefficients, Cp	
Surface	Ср
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.8

Roof Pressure Coeffic	cients, Cp
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Calculations for Wind Normal to 8 ft Face	Ср	Pressure	e (psf)
Additional Runs may be req'd for other wind directions		+GCpi	-GCpi
Leeward Walls (Wind Dir Normal to 8 ft wall)	-0.21	-5.46	-0.01
Side Walls	-0.70	-11.73	-6.28
Roof - Wind Normal to Ridge (Theta>=10) - f	or Wind Nor	mal to 8 ft fac	ce
Windward - Max Negative	-0.31	-6.75	-1.31
Windward - Max Positive	0.16	-0.70	4.75
Leeward Normal to Ridge	-0.60	-10.44	-4.99
Overhang Top (Windward)	-0.31	-4.03	-4.03
Overhang Top (Leeward)	-0.60	-7.72	-7.72
Overhang Bottom (Applicable on Windward only)	0.80	10.29	10.29
Roof - Wind Parallel to Ridge (All Theta) - for	or Wind Norr	mal to 8 ft fac	е
Dist from Windward Edge: 0 ft to 6.5 ft	-0.90	-14.30	-8.85
Dist from Windward Edge: 6.5 ft to 13 ft	-0.90	-14.30	-8.85
Dist from Windward Edge: 13 ft to 26 ft	-0.50	-9.15	-3.71
Dist from Windward Edge: > 26 ft	-0.30	-6.58	-1.13

^{*} Horizontal distance from windward edge

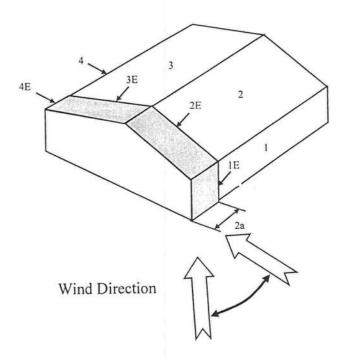
Wind Load Design per ASCE 7-98

Figure 6-4 - External Pressure Coefficients, GCpf Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	15.13

			Case A			
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.54	0.18	-0.18	15.13	5.43	10.88
2	-0.42	0.18	-0.18	15.13	-9.08	-3.63
3	-0.47	0.18	-0.18	15.13	-9.76	-4.31
4	-0.41	0.18	-0.18	15.13	-8.96	-3.51
5	0.00	0.18	-0.18	15.13	-2.72	2.72
5	0.00	0.18	-0.18	15.13	-2.72	2.72
1E	0.77	0.18	-0.18	15.13	8.88	14.33
2E	-0.67	0.18	-0.18	15.13	-12.83	-7.38
3E	-0.64	0.18	-0.18	15.13	-12.44	-6.99
4E	-0.59	0.18	-0.18	15.13	-11.68	-6.23
5E	0.00	0.18	-0.18	15.13	-2.72	2.72
6E	0.00	0.18	-0.18	15.13	-2.72	2.72

^{*} p = qh * (GCpf - GCpi)



Wind Load Design per ASCE 7-98

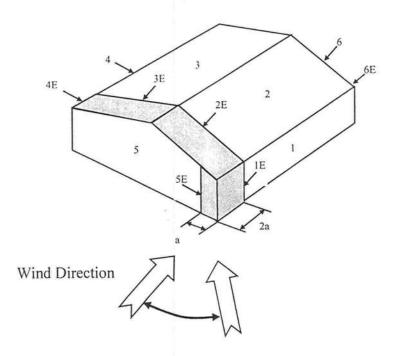
Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	15.13

Case B							
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)	
1	-0.45	0.18	-0.18	15.13	-9.53	-4.09	
2	-0.69	0.18	-0.18	15.13	-13.16	-7.72	
3	-0.37	0.18	-0.18	15.13	-8.32	-2.88	
4	-0.45	0.18	-0.18	15.13	-9.53	-4.09	
5	0.40	0.18	-0.18	15.13	3.33	8.78	
6	-0.29	0.18	-0.18	15.13	-7.11	-1.66	
1E	-0.48	0.18	-0.18	15.13	-9.99	-4.54	
2E	-1.07	0.18	-0.18	15.13	-18.92	-13.47	
3E	-0.53	0.18	-0.18	15.13	-10.74	-5.30	
4E	-0.48	0.18	-0.18	15.13	-9.99	-4.54	
5E	0.61	0.18	-0.18	15.13	6.51	11.95	
6E	-0.43	0.18	-0.18	15.13	-9.23	-3.78	

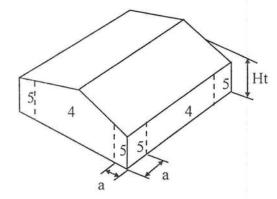
^{*} p = qh * (GCpf - GCpi)

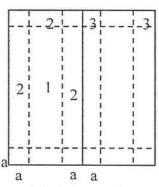


Wind Load Design per ASCE 7-98

Figure 6-5 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft





Gabled Roof 10 < Theta <= 45

Component	Width	Span	Area	Zone	G	Ср	Wind Pres	ss (lb/ft^2)
	(ft)	(ft)	(ft^2)		Max	Min	Max	Min
ROOF	10	1	10.00	1	0.50	-0.90	12.54	-19.92
Walls	10	1	10.00	4	1.00	-1.10	21.77	-23.61
roof edge	10	1	10.00	2	0.50	-2.10	12.54	-42.06
Wall edge	10	1	10.00	5	1.00	-1.40	21.77	-29.15
Roof overhang	10	1	10.00	2H	0.50	-2.20	10.00	-40.58

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

Title: Horning Dsgnr: Gary Gill Description:

Scope:

Timber Beam & Joist

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Date:

Description

Special Beams

AND DESCRIPTION OF THE PARTY OF	the state of the s		THE RESIDENCE OF THE PROPERTY
	a and a second state of the	Beam 1	One of the second of the secon
Timber Section		3-2×10	
Beam Width	in	4.500	
Beam Depth	in	9.250	
Le: Unbraced Length	ft	0.00	
Timber Grade		outhern Pine, No.2	
Fb - Basic Allow	psi	1,050.0	
Fv - Basic Allow	psi	90.0	
Elastic Modulus	ksi	1,600.0	
Load Duration Factor		1.000	
Member Type		Manuf/Pine	
Repetitive Status		Repetitive	Commander or the second of the second commencer of the
Center Span Data			
Span	ft	5.05	
Dead Load	#/ft	316.00	
Live Load	#/ft	1,040.00	
Results	Ratio =	0.9542	
Mmax @ Center	in-k	51.87	
@ X =	ft	2.52	
fb : Actual	psi	808.3	
Fb : Allowable	psi	1,207.5	
		Bending OK	
fv : Actual	psi	85.9	
Fv : Allowable	psi	90.0	
	34	Shear OK	
Reactions			
@ Left End DL	lbs	797.90	
LL	lbs	2,626.00	
Max. DL+LL	lbs	3,423.90	
@ Right End DL	lbs	797.90	
LL	lbs	2,626.00	
Max. DL+LL	lbs	3,423.90	Wall to the State of the State
Deflections		Ratio OK	
Center DL Defl	in	-0.010	
L/Defl Ratio		6,223.4	
Center LL Defl	in	-0.032	
L/Defl Ratio		1,890.9	
Center Total Defl	in	-0.042	
Location	ft	2.525	
L/Defl Ratio		1,450.3	

Title: Horning Dsgnr: Gary Gill Description:

Date:

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Timber Beam & Joist

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Description

Rafters

Timber Member In	format	tion		Calculations are designed to 1997 NDS and 1997 UBC Requirements
ASCENIA CONTRACTOR OF THE SECOND SECO	SHE SHEET CO	Rafter 1	Rafter 2	
Timber Section		4x10	4x10	
Beam Width	in	3.500	3.500	
Beam Depth	in	9.500	9.500	
Le: Unbraced Length	ft	0.00	0.00	
Timber Grade				Bald Cypress, No.2 Bald Cypress, No.2
Fb - Basic Allow	psi	825.0	825.0	
Fv - Basic Allow	psi	90.0	90.0	
Elastic Modulus	ksi	1,200.0	1,200.0	
Load Duration Factor		1.000	1.000	
Member Type		Sawn	Sawn	
Repetitive Status		Repetitive	Repetitive	
Center Span Data				
Span	ft	13.00	13.00	GO 2016 A GENERAL IN A GENERAL WAS ARRESTED SHARE AND A GENERAL AND A GE
Dead Load	#/ft	41.20	52.10	
Live Load	#/ft	80.00	56.00	
Results	Ratio =	0.5126	0.4572	
Mmax @ Center	in-k	30.72	27.40	CONTROL EN A CAR OF EACH OF THE CAR OF THE C
@ X =	ft	6.50	6.50	
fb : Actual	psi	583.6	520.5	
Fb : Allowable	psi		1,138.5	
		Bending OK	Bending OK	
fv : Actual	psi	31.3	27.9	
Fv : Allowable	psi		90.0	N F
		Shear OK	Shear OK	
Reactions			*11.*	
@ Left End DL	lbs	267.80	338.65	
LL	lbs	520.00	364.00	
Max. DL+LL	lbs	787.80	702.65	
@ Right End DL	lbs	267.80	338.65	
LL	lbs	520.00	364.00	
Max. DL+LL	lbs	787.80	702.65	
Deflections		Ratio OK	Deflection OK	
Center DL Defl	in	-0.088	-0.112	
L/Defl Ratio		1,768.2	1,398.2	
Center LL Defl	in	-0.171	-0.120	
L/Defl Ratio		910.6	1,300.9	
Center Total Defl	in		-0.231	
Location	ft		6.500	
		601.1	673.9	

Date:

Title: Horning Dsgnr: Gary Gill Description:

Scope:

Rev: 510304 User: KW-0601816, Ver 5.1.3, 22-Jun-1999, Win32 (c) 1983-99 ENERCALC

Timber Beam & Joist

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Job#

Description

Ridge beam

Timber Member Ir	nformat	ion	Calculations are designed to 1997 NDS and 1997 UBC Requirements
		Ridge Beam 1	
Timber Section		6x10	
Beam Width	in	5.500	
Beam Depth	in	9.500	
Le: Unbraced Length	ft	0.00	
Timber Grade)	ouglas Fir - Larch, Jouglas Fir	- Larch, Bald Cypress, No.2
Fb - Basic Allow	psi	1,200.0	
Fv - Basic Allow	psi	85.0	
Elastic Modulus	ksi	1,600.0	
Load Duration Factor		1.000	
Member Type		Sawn	
Repetitive Status		No	C BOOK SAMPATONIZATE I. If the test is vicentially
Center Span Data			
Span	ft	11.80	
Dead Load	#/ft	184.00	
Live Load	#/ft	260.00	
Results	Ratio =	0.9341	
Mmax @ Center	in-k	92.73	
@ X =	ft	5.90	
fb : Actual	psi	1,120.9	
Fb : Allowable	psi	1,200.0	
	1	Bending OK	
fv : Actual	psi	65.6	
Fv: Allowable	psi	85.0	
		Shear OK	and the second s
Reactions			
@ Left End DL	lbs	1,085.60	
LL	lbs	1,534.00	
Max. DL+LL	lbs	2,619.60	
@ Right End DL	lbs	1,085.60	
LL	lbs	1,534.00	
Max. DL+LL	lbs	2,619.60	The second of th
Deflections		Ratio OK	
Center DL Defl	in	-0.128	MATERIA ENTERNISHEN CONTRACTOR OF THE SECOND STATE OF THE SECOND S
L/Defl Ratio		1,109.2	
Center LL Defl	in	-0.180	
L/Defl Ratio		785.0	
Center Total Defl	in	-0.308	
Location	ft	5.900	
L/Defl Ratio		459.7	

Title: Horning Dsgnr: Gary Gill Description:

Date:

Scope:

Rev: 510304 User: KW-0601818, Ver 5.1.3, 22-Jun-1999, Win32 (c) 1983-99 ENERCALC

Timber Beam & Joist

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Description

Rafters-uplift

Timber Member In	iormat	ION		Calculations are designed to 1997 NDS and 1997 UBC Requirements
Timber Section Beam Width Beam Depth Le: Unbraced Length Timber Grade Fb - Basic Allow Fv - Basic Allow Elastic Modulus Load Duration Factor Member Type Repetitive Status	in in ft psi psi ksi	Rafter 1 4x10 3.500 9.500 0.00 0.00 0.00 0.00 825.0 90.0 1,200.0 1.000 Sawn Repetitive	Rafter 2 4x10 3.500 9.500 0.00 0.00 0.00 0.00 0.00 1,200.0 1,200.0 1,000 Sawn Repetitive	ald Cypress, No.2
Center Span Data	A	13.00	13.00	
Span Dead Load Live Load Point #1 DL LL @ X	ft #/ft #/ft Ibs Ibs	-41.00	26.90	*
Results	Ratio =	0.1176	0.1138	TO SUCH IN A REPORT OF THE PROPERTY OF THE PRO
Mmax @ Center @ X = fb : Actual Fb : Allowable	in-k ft psi psi	0.00 0.00 0.0 1,138.5 Bending OK	6.82 6.50 129.5 1,138.5 Bending OK	
fv : Actual Fv : Allowable	psi psi	10.6 90.0 Shear OK	6.9 90.0 Shear OK	
Reactions				
@ Left End DL LL Max. DL+LL @ Right End DL LL Max. DL+LL	lbs lbs lbs lbs lbs	0.00 -266.50 -266.50 0.00 -266.50 -266.50	0.00 174.85 174.85 0.00 174.85 174.85	
Deflections		Ratio OK	Deflection OK	
Center DL Defl L/Defl Ratio Center LL Defl L/Defl Ratio Center Total Defl Location L/Defl Ratio	in in in ft	0.000 0.0 0.088 1,776.8 0.088 6.500 1,776.8	0.000 0.0 -0.058 2,708.1 -0.058 6.500 2,708.1	

Title: Horning Dsgnr: Gary Gill Description:

Date:

Scope:

Rev: 510304 User: KW-0601816, Ver 5.1.3, 22-Jun-1999, Win32 (c) 1983-99 ENERCALC

Timber Beam & Joist

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Description

floor joists

Timber Member In	format	tion		Calculations are designed to 1997 NDS and 1997 UBC Requirements
Timber Section Beam Width Beam Depth	in in	Joist 1 (2nd FI 4x10 3.500 9.500	Joist 2 (1st fl 2x10 1.500 9.250 0.00	
Le: Unbraced Length TImber Grade Fb - Basic Allow Fv - Basic Allow Elastic Modulus Load Duration Factor Member Type Repetitive Status	psi psi ksi	0.00 Douglas Fir - Larch, 875.0 95.0 1,600.0 1.000 Sawn Repetitive	1,050.0 90.0 1,600.0 1,600.0 1,000 Manuf/Pine Repetitive	Southern Pine, No.2 Douglas Fir - Larch,
Center Span Data				
Span	ft	13.00	13.00	
Dead Load Live Load	#/ft #/ft	26.70 106.80	13.30 53.20	
Results	Ratio =	0.5324	0.6527	
Mmax @ Center @ X =	in-k ft	33.84 6.50	16.86 6.50	TOTAL LECTRACE IN SEC. SEC. SEC. SEC. SEC. SEC. SEC. SEC.
fb : Actual Fb : Allowable	psi psi	642.8 1,207.5 Bending OK	788.1 1,207.5 Bending OK	
fv : Actual Fv : Allowable	psi psi	34.4 95.0 Shear OK	41.5 90.0 Shear OK	
Reactions				Take Codes Assert as a Management of the Tennet Control of the Ten
@ Left End DL LL Max. DL+LL	lbs lbs lbs	173.55 694.20 867.75	86.45 345.80 432.25	
@ Right End DL LL Max. DL+LL	lbs lbs	173.55 694.20 867.75	86.45 345.80 432.25	
Deflections		Ratio OK	Deflection OK	The second of th
Center DL Defl L/Defl Ratio	in	-0.043 3,637.9	-0.054 2,889.2	
Center LL Defl L/Defl Ratio Center Total Defl Location	in in ft	-0.172 909.5 -0.214 6.500	-0.216 722.3 -0.270 6.500	

Title: Horning Dsgnr: Gary Gill Description:

Date:

Scope:

Rev: 510304 User: KW-0601816, Ver 5.1.3, 22-Jun-1999, Win32 (c) 1983-99 ENERCALC

Timber Beam & Joist

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Description

Floor girders

Timber Member Ir	irorma	uon		Calculations are designed to 1997 NDS and 1997 UBC Requirements
	MA STANDARD CA	Girder1 (2nd F	I Girder 2 (2nd F	
Timber Section		6x12	3-2x10	
	Tax :	5.500	4.500	
Beam Width	in		9.250	
Beam Depth	in	11.500		
Le: Unbraced Length	ft	0.00	0.00	nthony 24F, Anthonynthony 24F, Anthony Southern Pine, No.2
Timber Grade	0.000	875.0	1,050.0	nilony 24F, Anthony intony 24F. Anthony Southern Fine, No.2
Fb - Basic Allow Fv - Basic Allow	psi	95.0	90.0	
Elastic Modulus	psi		1,600.0	
	ksi	1,600.0		
Load Duration Factor		1.000	1.000	
Member Type		Sawn	Sawn	
Repetitive Status		No	No	
Center Span Data	10.00			
Span	ft	11.00	5.10	
Dead Load	#/ft	115.00	160.00	
Live Load	#/ft	460.00	600.00	
	.,,,,,,,			
Results	Ratio =	0.9839	0.5463	
Mmax @ Center @ X =	in-k ft	104.36 5.50	29.65 2.55	
fb : Actual	psi	860.9	462.1	
Fb : Allowable	psi	875.0	1,050.0	
		Bending OK	Bending OK	
fv : Actual	psi	62.4	49.2	
Fv : Allowable	psi	95.0	90.0	
	#3725 E	Shear OK	Shear OK	
Reactions		31 5 50 100 11 100		Particular (A. 1911) A. 1
@ Left End DL	lbs	632.50	408.00	
LL	lbs	2,530.00	1,530.00	
Max. DL+LL	lbs	3,162.50	1,938.00	
@ Right End DL	lbs	632.50	408.00	
LL	lbs	2.530.00	1,530.00	
Max. DL+LL	lbs	3,162.50	1,938.00	
43 Not.	100			and the second of the second o
Deflections		Ratio OK	Deflection OK	
Center DL Defl	in	-0.034	-0.005	
L/Defl Ratio		3,886.2	11,933.2	
Center LL Defl	in	-0.136	-0.019	
L/Defl Ratio		971.6	3,182.2	
Center Total Defl	in	-0.170	-0.024	
Location	ft	5.500	2.550	
L/Defl Ratio		777.2	2,512.2	
Dell Katio		111.2	2,012.2	
L/Defi Ratio		111.2	2,512.2	



OCCOPANC

COLUMBIA COUNTY, FLORIDA

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

Building permit No. 000023836

57.78

Parcel Number 26-6S-15-01157-000

Use Classification SFD, UTILITY

Permit Holder OWNER BUILDER

Owner of Building LAWRENCE JONES

208.53

Total:

Waste: 150.75

247 SW DELAWARE WAY, FORT WHITE, FL 32038 Location:

Date: 01/30/2012

Building Inspector

POST IN A CONSPICUOUS PLACE (Business Places Only)



May 2

Hi Gale

I just got of the

phone with you and you were

very help feel. Here are the

Cope is your offer needs

to complete our application

for our sesmit on the

log rabin, like will be

getling back to Ha in 100. at

which time we will come pight

to the offer to pick up the

permit as well as the spapers

we sut in Hed. Blue Prints lete.

We do apprint your holding

them for us int! we return

The plans are under knowned

phis. Im sending you our

Main latel if you need to correspond

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