DATE 11/08/2005

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000023836

APPLICANT LAWRENCE JONES PHONE 497-2639

ADDRESS 247 SW DELAWARE WAY FT. WHITE FL 32038

OWNER LAWRENCE JONES PHONE 497-2639

ADDRESS 247 SW DELAWARE WAY FT. WHITE FL 32038

CONTRACTOR OWNER BUILDER PHONE 497-2639

LOCATION OF PROPERTY 47S, TO 27, TL ON RIVERSIDE, TL ON MONTANA, TL ON DELAWARE, DOWN ON RIGHT, MAILBOX WTH 247

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 67550.00

HEATED FLOOR AREA 1351.00 TOTAL AREA 2503.00 HEIGHT .00 STORIES 2

FOUNDATION CONC WALLS LOGS ROOF PITCH 10/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 24

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 26-6S-15-01157-000 SUBDIVISION THREE RIVERS ESTATES

LOT 183 BLOCK PHASE UNIT 18 TOTAL ACRES 1.00

Culvert Permit No. | Culvert Waiver | Contractor's License Number | Applicant/Owner/Contractor

EXISTING | 02-0100-N | BK | JH | Y

Driveway Connection | Septic Tank Number | LU & Zoning checked by | Approved for Issuance | New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash [illegible] 360

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power ____ date/app. by

Foundation ____ date/app. by

Monolithic (footer/Slab) ____ date/app. by

Under slab rough-in plumbing ____ date/app. by

Slab ____ date/app. by

Sheathing/Nailing ____ date/app. by

Framing ____ date/app. by

Rough-in plumbing above slab and below wood floor ____ date/app. by

Electrical rough-in ____ date/app. by

Heat & Air Duct ____ date/app. by

Peri. beam (Lintel) ____ date/app. by

Permanent power ____ date/app. by

C.O. Final ____ date/app. by

Culvert ____ date/app. by

M/H tie downs, blocking, electricity and plumbing ____ date/app. by

Pool ____ date/app. by

Reconnection ____ date/app. by

Pump pole ____ date/app. by

Utility Pole ____ date/app. by

M/H Pole ____ date/app. by

Travel Trailer ____ date/app. by

Re-roof ____ date/app. by

BUILDING PERMIT FEE $ 340.00 CERTIFICATION FEE $ 12.52 SURCHARGE FEE $ 12.52

MISC. FEES $ .00 ZONING CERT. FEE $ 50.00 FIRE FEE $ .00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 440.04

INSPECTORS OFFICE [signature] CLERKS OFFICE CH

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

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

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.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Lawrence Jones
247 SW Delaware Way
Ft. White
Fl. 32038
#863-604-3800
#386-497-2639

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. Lawrence Jones

DATE Aug. 1st 2006

Lawrence Jones
247 SW Delaware Way
Ft. White
Fl. 32038
#863-604-3800
#386-497-2639

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

Thank you for your patience in this matter.

Starr Jones

DATE 2/14/07

Lawrence Jones
247 SW Delaware Way
Ft. White
Fl. 32038
#863-604-3800
#386-497-2639

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.

Mr & Mrs. Lawrence Jones

DATE 5/12/07

Lawrence Jones
247 SW Delaware Way
Ft. White
Fl. 32038
#863-604-3800
#386-497-2639

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 + Lawrence Jones

DATE Aug 30 2007

Lawrence Jones
247 SW Delaware Way
Ft. White
Fl. 32038
#863-604-3800
#386-497-2639

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

Thank you for your patience in this matter.

Starr Jones

DATE 12/26/09

Lawrence Jones
247 SW Delaware Way
Ft. White
Fl. 32038
#863-604-3800
#386-497-2639

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

Thank you for your patience in this matter.

Starr Jones

DATE 3/12/08

PS. We are making PROGRESS!! :)

Mr + Mrs. Lawrence Jones
66 Bragg Pt Lane
Weld, Maine 04285
863-604-3800
207-585-2581

To whom it concerns:

We are writing this letter to explain the reason the home we are building is not yet complete. Permit # is 00023836 the reason is that we are building it ourselves and we are in Fla. only a few months each yr. We are trying hard but it is taking alott of time. Hope you can be patient with us.

Yours truly
Mr + Mrs. Jones

Date
June 20, 2009

Lawrence Jones
247 SW Delaware Way
Ft. White
Fl. 32038
#863-604-3800
#386-497-2639

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

Thank you for your patience in this matter.

Stan Jones

DATE Aug 21,2009

Lawrence Jones
247 SW Delaware Way
Ft. White
Fl. 32038
#863-604-3800
#386-497-2639

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.

Starr + Lawrence Jones

DATE 12/05/09

Mr. & Mrs. Lawrence Jones
2021 Marilyn Ave.
Winter Haven,Fla. 33881

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.

Stan Jones

Mr. & Mrs. Lawrence Jones
2021 Marilyn Ave.
Winter Haven,Fla. 33881

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.

Stan & Lawrence Jones

Mr. & Mrs. Lawrence Jones
2021 Marilyn Ave.
Winter Haven,Fla. 33881

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.

Mrs Lawrence Jones

Lawrence Jones
247 SW Delaware Way
Ft. White
Fl. 32038
#863-604-3800
#386-497-2639

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: From May - Oct.

Lawrence&Starr Jones
66 Bragg Pt Ln
Weld,Me.04285
207-585-2581

Thank you for your patience in this matter.

Starr Jones

DATE 1/24/11

Mr. & Mrs. Lawrence Jones
2021 Marilyn Ave.
Winter Haven,Fla. 33881

Sept 20, 2011

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.

Stan Jones

P.S.
We are now in Maine + we should be calling at some point this Winter, 2012 be calling for a final !! :)

Mr. & Mrs. Lawrence Jones
2021 Marilyn Ave.
Winter Haven,Fla. 33881

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.

Stan Jones

P.S.
CO - Next yr. for Sure - Hurrry!! + Amen

Mr. & Mrs. Lawrence Jones
2021 Marilyn Ave.
Winter Haven,Fla. 33881

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.

Stan Jones 1/14/2010

Lawrence Jones
247 SW Delaware Way
Ft. White
Fl. 32038
#863-604-3800 or 863-604-2450
#386-497-2639

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.

Starr Jones

DATE 1/26/09

GTC DESIGN GROUP

Lonny and Starr Jones

STRUCTURAL AND WIND LOAD CALCULATIONS

For

Suwannee River Log Homes

2/5/05

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

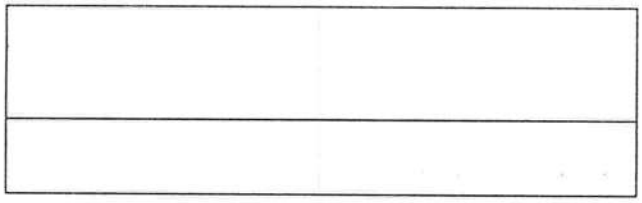
Design Loads

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

Project Name	Jones Residence	Date	2/1/2005
Project Number	PF05-xxx		
Client	SRLH		

Windloading

DATA SHEET

Wind	110 mph
Building Length	30 ft
Building Width	26 ft
Type	2 Stories

LOAD SHEET DATA

RAFTERS

Element	Description	Spacing (ft)	Rafter Horz. Length (ft)	Pitch (:12)	Dead Load (psf)	Live Load (psf)	Wind Load (psf)	R1	R2	At
Rafter 1	Profile - 3:12 Pitch	4	13	3	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	1	32

RIDGE BEAMS

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

WALL LOADS

Dead	7 psf
Wall heigth	8 psf

FLOOR JOIST

Element	Description	Spacing (ft)	Dead Load (psf)	Live Load Lo(psf)	Tributary Width	Beam Length (ft)	At	KII	Ladjust	Live Load 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

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

TRUSS UPLIFT

Element	Description	Spacing (in)	Pitch (:12)	Span (ft)	Dead (psf)	Winward Overhang (psf)	Winward Roof (psf)	Leeward Roof (psf)
Truss 1	TR-1 Special Truss (Front)	24	6	25.66	10	-40.58	-18.92	-10.74

BEAMS

Element	Description	Dead Load (psf)	Live Load (psf)	Tributary Width	Beam Length (ft)	At	KII	Ladjust	Live Load L)psf)
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	11.04 psf
Surface2	1.22 psf
Surface3	-4.04 psf
Surface4	-3.19 psf
Surface5	8.78 psf
Surface6	-1.66 psf

GTC DESIGN GROUP

Project name: Jones Residence
Project number: PF05-xxx
Date: 2/1/2005
Client: SRLH
Calc's by: GG

RAFTER LOADS

Element	Spacing (ft)	Length (ft)	Pitch (:12)	Loads							
				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	80.00	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) 12 ***pitch of 12 used as conservative
Load factor: 1.41

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)	w live "L" (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 (plf)	w live (plf)
Floor Girder 2 -	13	20	80	316.00	1040.00

WIND98 v3-02

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	B	
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 changed only through "Main Menu"

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

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table C6-4 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	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
Izm	Cc * (33/z)^0.167	0.3048	
Lzm	l*(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*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	

WIND98 v3-02

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
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

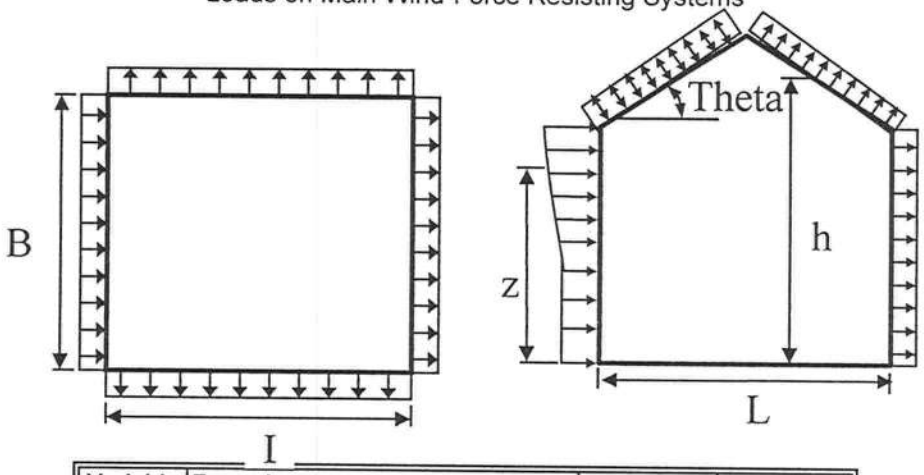
Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**

WIND98 v3-02

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	
Kht	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	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	18.45	psf

Wall Pressure Coefficients, Cp	
Surface	**Cp**
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 *Additional Runs may be req'd for other wind directions*	**Cp**	**Pressure (psf)** **+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 Wind Normal to 26 ft face			
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) - for Wind Normal to 26 ft face			
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

WIND98 v3-02

Wind Load Design per ASCE 7-98

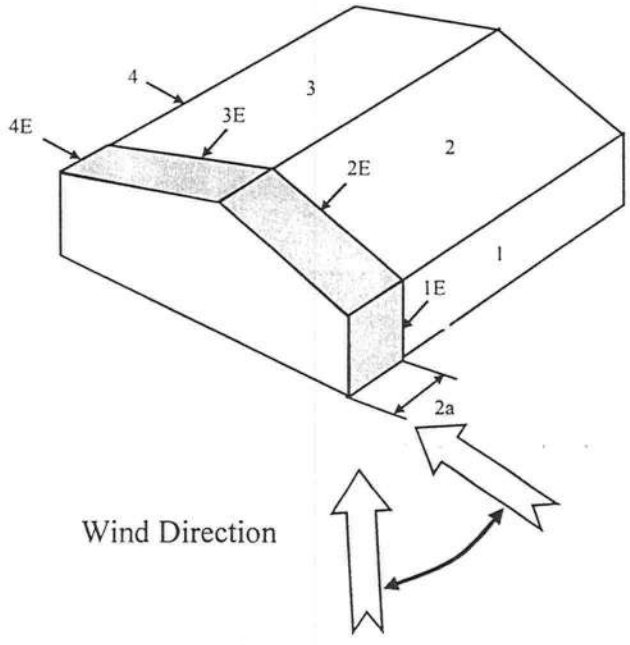
Figure 6-4 - External Pressure Coefficients, GCpf

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)



WIND98 v3-02

Wind Load Design per ASCE 7-98

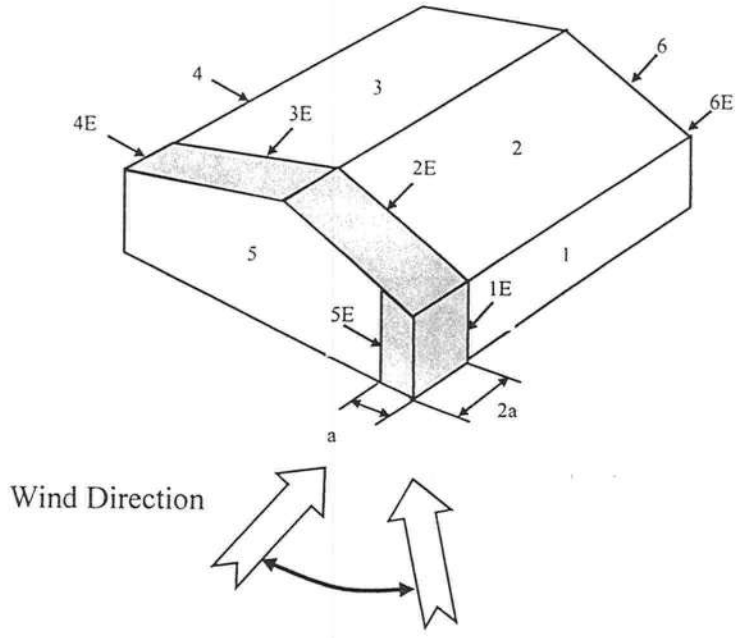
Figure 6-4 - External Pressure Coefficients, GCpf

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)

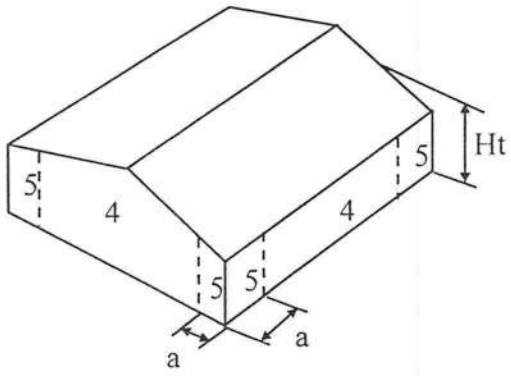


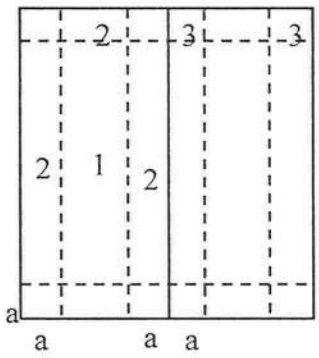
WIND98 v3-02

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 (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/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.

WIND98 v3-02

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	II	
Exposure	B	
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 Parameters	
Type of Structure	
Height/Least Horizontal Dim	1.63
Flexible Structure	No

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table C6-4 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	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
Izm	Cc * (33/z)^0.167	0.3048	
Lzm	l*(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*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8936	
Gust Factor Summary			
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85	

WIND98 v3-02

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

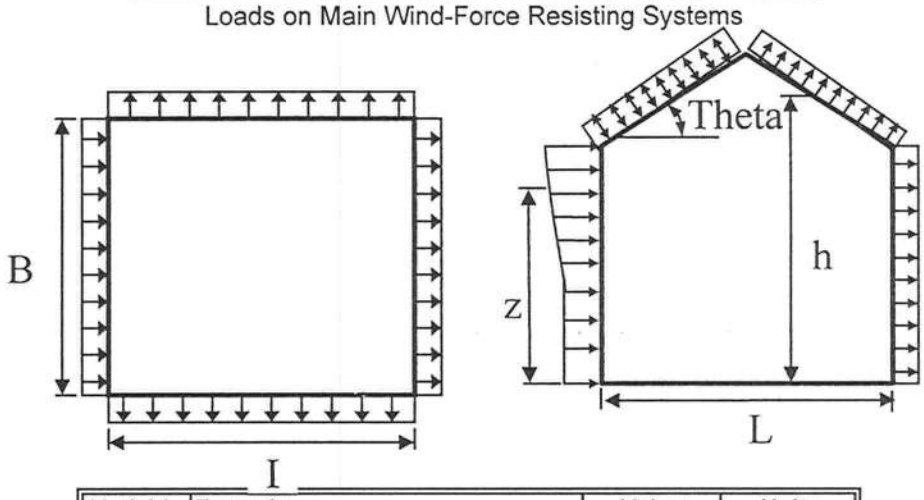
Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**

WIND98 v3-02

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	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	18.45	psf

Wall Pressure Coefficients, Cp	
Surface	**Cp**
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 *Additional Runs may be req'd for other wind directions*	**Cp**	**Pressure (psf)** **+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) - for Wind Normal to 8 ft face			
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 Wind Normal to 8 ft face			
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

WIND98 v3-02

Wind Load Design per ASCE 7-98

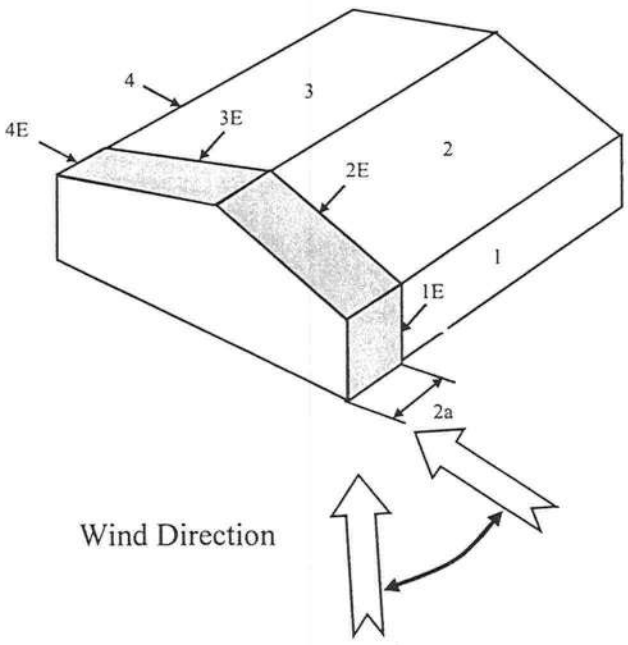
Figure 6-4 - External Pressure Coefficients, GCpf

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
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)



WIND98 v3-02

Wind Load Design per ASCE 7-98

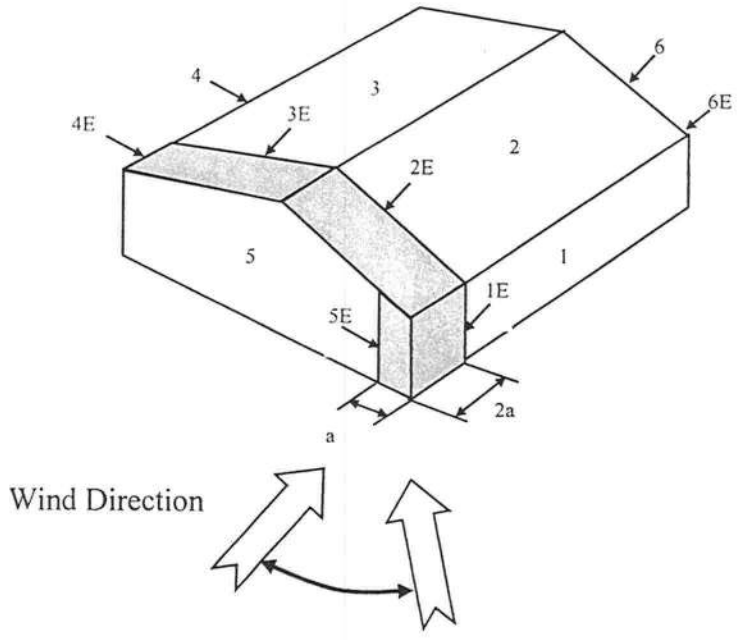
Figure 6-4 - External Pressure Coefficients, GCpf

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)

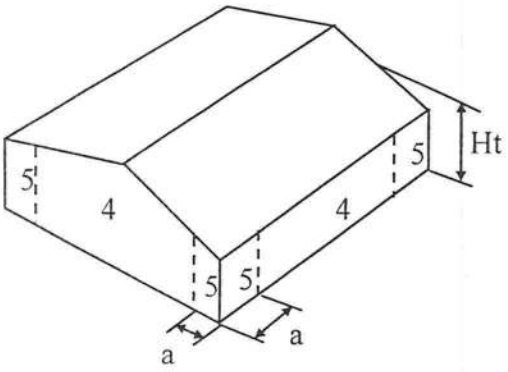


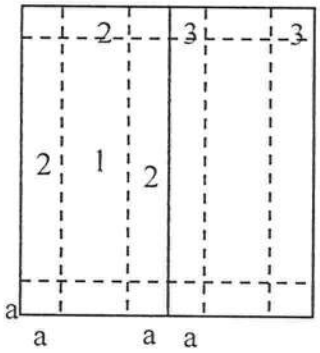
WIND98 v3-02

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 = 0.8 ==> 3.00 ft

Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/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.

 www.mecaconsulting.com

Title : Horning
Dsgnr: Gary Gill
Description :

Job #
Date:

Scope :

Timber Beam & Joist

Description Special Beams

Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		Beam 1
Timber Section		**3-2x10**
Beam Width	in	4.500
Beam Depth	in	9.250
Le: Unbraced Length	ft	0.00
TImber Grade		Southern 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

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
		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

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 :

Job #
Date:

Scope :

Timber Beam & Joist

Description Rafters

Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		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		ouglas Fir-South, N	ouglas Fir-South, N 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
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
@ X =		ft	6.50	6.50
fb : Actual		psi	583.6	520.5
Fb : Allowable		psi	1,138.5	1,138.5
			Bending OK	Bending OK
fv : Actual		psi	31.3	27.9
Fv : Allowable		psi	90.0	90.0
			Shear OK	Shear OK

Reactions

@ 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	-0.260	-0.231
Location	ft	6.500	6.500
L/Defl Ratio		601.1	673.9

Title : Horning
Dsgnr: Gary Gill
Description :

Job #
Date:

Scope :

Timber Beam & Joist

Description Ridge beam

Timber Member Information

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		Douglas Fir - Larch, Douglas 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

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
		Bending OK
fv : Actual	psi	65.6
Fv : Allowable	psi	85.0
		Shear OK

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

Deflections

Ratio OK

Center DL Defl	in	-0.128
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 :

Job #
Date:

Scope :

Timber Beam & Joist

Description Rafters-uplift

Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		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		ouglas Fir-South, N	ouglas Fir-South, N 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
Dead Load	#/ft		
Live Load	#/ft	-41.00	26.90
Point #1 DL	lbs		
LL	lbs		
@ X	ft		

Results

Ratio =		0.1176	0.1138
Mmax @ Center	in-k	0.00	6.82
@ X =	ft	0.00	6.50
fb : Actual	psi	0.0	129.5
Fb : Allowable	psi	1,138.5	1,138.5
		Bending OK	Bending OK
fv : Actual	psi	10.6	6.9
Fv : Allowable	psi	90.0	90.0
		Shear OK	Shear OK

Reactions

@ Left End	DL	lbs	0.00	0.00
	LL	lbs	-266.50	174.85
	Max. DL+LL	lbs	-266.50	174.85
@ Right End	DL	lbs	0.00	0.00
	LL	lbs	-266.50	174.85
	Max. DL+LL	lbs	-266.50	174.85

Deflections

		Ratio OK	Deflection OK
Center DL Defl	in	0.000	0.000
L/Defl Ratio		0.0	0.0
Center LL Defl	in	0.088	-0.058
L/Defl Ratio		1,776.8	2,708.1
Center Total Defl	in	0.088	-0.058
Location	ft	6.500	6.500
L/Defl Ratio		1,776.8	2,708.1

Title : Horning Job #
Dsgnr: Gary Gill Date:
Description :

Scope :

Timber Beam & Joist

Description floor joists

Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		Joist 1 (2nd Fl	Joist 2 (1st fl
Timber Section		**4x10**	**2x10**
Beam Width	in	3.500	1.500
Beam Depth	in	9.500	9.250
Le: Unbraced Length	ft	0.00	0.00
TImber Grade		Douglas Fir - Larch, Southern Pine, No.2	Southern Pine, No.2
Fb - Basic Allow	psi	875.0	1,050.0
Fv - Basic Allow	psi	95.0	90.0
Elastic Modulus	ksi	1,600.0	1,600.0
Load Duration Factor		1.000	1.000
Member Type		Sawn	Manuf/Pine
Repetitive Status		Repetitive	Repetitive

Douglas Fir - Larch,

Center Span Data

Span	ft	13.00	13.00
Dead Load	#/ft	26.70	13.30
Live Load	#/ft	106.80	53.20

Results

Results	Ratio =	0.5324	0.6527
Mmax @ Center	in-k	33.84	16.86
@ X =	ft	6.50	6.50
fb : Actual	psi	642.8	788.1
Fb : Allowable	psi	1,207.5	1,207.5
		Bending OK	Bending OK
fv : Actual	psi	34.4	41.5
Fv : Allowable	psi	95.0	90.0
		Shear OK	Shear OK

Reactions

@ Left End	DL	lbs	173.55	86.45
	LL	lbs	694.20	345.80
	Max. DL+LL	lbs	867.75	432.25
@ Right End	DL	lbs	173.55	86.45
	LL	lbs	694.20	345.80
	Max. DL+LL	lbs	867.75	432.25

Deflections

		Ratio OK	Deflection OK
Center DL Defl	in	-0.043	-0.054
L/Defl Ratio		3,637.9	2,889.2
Center LL Defl	in	-0.172	-0.216
L/Defl Ratio		909.5	722.3
Center Total Defl	in	-0.214	-0.270
Location	ft	6.500	6.500
L/Defl Ratio		727.6	577.8

Title : Horning
Dsgnr: Gary Gill
Description :

Job #
Date:

Scope :

Timber Beam & Joist

Description Floor girders

Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		Girder1 (2nd Fl	Girder 2 (2nd F
Timber Section		**6x12**	**3-2x10**
Beam Width	in	5.500	4.500
Beam Depth	in	11.500	9.250
Le: Unbraced Length	ft	0.00	0.00
TImber Grade		Douglas Fir - Larch, Southern Pine, No.2	nthony 24F, Anthony nthony 24F, Anthony Southern Pine, No.2
Fb - Basic Allow	psi	875.0	1,050.0
Fv - Basic Allow	psi	95.0	90.0
Elastic Modulus	ksi	1,600.0	1,600.0
Load Duration Factor		1.000	1.000
Member Type		Sawn	Sawn
Repetitive Status		No	No

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
		Bending OK	Bending OK
fv : Actual	psi	62.4	49.2
Fv : Allowable	psi	95.0	90.0
		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
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

FORM 600A-2001 Tested sealed ducts must be certified in this house. EnergyGauge® 3.4

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Jones Residence**	Builder:	
Address:		Permitting Office:	
City, State:	,	Permit Number:	
Owner:	**Lonny and Starr Jones**	Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		1	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1350 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	32.0 ft²	267.0 ft²	
b. Default tint, default U-factor	0.0 ft²	0.0 ft²	
c. Labeled U-factor or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Raised Wood, Post or Pier		R=13.0, 780.0ft²	
b. N/A			
c. N/A			
9. Wall types			
a. Log, 6 inch, Exterior		R=0.0, 1315.0 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=19.0, 1013.0 ft²	
b. N/A			
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 214.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 12.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	
	HSPF: 7.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	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-	

Glass/Floor Area: 0.22

Total as-built points: 16601

Total base points: 17307

PASS

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

PREPARED BY: Gary Gill

DATE: 2/25/05

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

OWNER/AGENT: _____

DATE: _____

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.

GREAT SEAL OF THE STATE OF FLORIDA — IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE

GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points
.18 1350.0	20.04	4869.7

WALL TYPES	Area X	BSPM =	Points
Adjacent	0.0	0.00	0.0
Exterior	1315.0	1.70	2235.5
Base Total:	1315.0		2235.5

DOOR TYPES	Area X	BSPM =	Points
Adjacent	0.0	0.00	0.0
Exterior	42.0	6.10	256.2
Base Total:	42.0		256.2

CEILING TYPES	Area X	BSPM =	Points
Under Attic	780.0	1.73	1349.4
Base Total:	780.0		1349.4

FLOOR TYPES	Area X	BSPM =	Points
Slab	0.0(p)	0.0	0.0
Raised	780.0	-3.99	-3112.2
Base Total:			-3112.2

INFILTRATION	Area X	BSPM =	Points
	1350.0	10.21	13783.5

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF =	Points
Double, Clear	E	8.8	6.0	14.0	42.06	0.44	257.9
Double, Clear	E	8.0	4.5	9.5	42.06	0.40	161.0
Double, Clear	E	1.5	6.0	42.0	42.06	0.91	1612.5
Double, Clear	E	1.5	4.5	9.5	42.06	0.85	338.9
Double, Clear	N	8.0	5.8	27.0	19.20	0.67	344.9
Double, Clear	N	1.5	5.8	13.5	19.20	0.94	242.5
Double, Clear	W	8.0	5.5	54.0	38.52	0.45	944.5
Double, Clear	W	1.0	5.0	88.0	38.52	0.95	3217.7
Single, Clear	S	8.0	5.8	18.0	40.81	0.48	353.7
Double, Clear	S	8.0	4.5	9.5	35.87	0.46	155.7
Single, Clear	S	1.5	6.0	14.0	40.81	0.86	489.2
As-Built Total:				299.0			8118.4

Type	R-Value	Area X	SPM =	Points
Log, 6 inch, Exterior	0.0	1315.0	1.50	1972.5
As-Built Total:		1315.0		1972.5

Type	Area X	SPM =	Points
Exterior Wood	42.0	6.10	256.2
As-Built Total:	42.0		256.2

Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	19.0	1013.0	2.34 X 1.00	2370.4
As-Built Total:		1013.0		2370.4

Type	R-Value	Area X	SPM =	Points
Raised Wood, Post or Pier	13.0	780.0	0.98	766.5
As-Built Total:		780.0		766.5

	Area X	SPM =	Points
	1350.0	10.21	13783.5

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

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

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1350.0	12.74	3095.8	Double, Clear	E	8.8	6.0	14.0	18.79	1.38	363.8	
				Double, Clear	E	8.0	4.5	9.5	18.79	1.43	255.7	
				Double, Clear	E	1.5	6.0	42.0	18.79	1.04	817.3	
				Double, Clear	E	1.5	4.5	9.5	18.79	1.06	189.3	
				Double, Clear	N	8.0	5.8	27.0	24.58	1.02	678.1	
				Double, Clear	N	1.5	5.8	13.5	24.58	1.00	332.7	
				Double, Clear	W	8.0	5.5	54.0	20.73	1.20	1345.2	
				Double, Clear	W	1.0	5.0	88.0	20.73	1.01	1848.9	
				Single, Clear	S	8.0	5.8	18.0	20.24	3.18	1157.9	
				Double, Clear	S	8.0	4.5	9.5	13.30	3.46	436.9	
				Single, Clear	S	1.5	6.0	14.0	20.24	1.12	316.7	
				As-Built Total:				**299.0**			**7742.5**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Log, 6 inch, Exterior	0.0	1315.0	4.50	5917.5
Exterior	1315.0	3.70	4865.5					
Base Total:	**1315.0**		**4865.5**	**As-Built Total:**		**1315.0**		**5917.5**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Wood	42.0	12.30	516.6
Exterior	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	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	780.0	2.05	1599.0	Under Attic	19.0	1013.0	2.70 X 1.00	2735.1
Base Total:	**780.0**		**1599.0**	**As-Built Total:**		**1013.0**		**2735.1**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	0.0(p)	0.0	0.0	Raised Wood, Post or Pier	13.0	780.0	1.38	1077.6
Raised	780.0	0.96	748.8					
Base Total:			**748.8**	**As-Built Total:**		**780.0**		**1077.6**

INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points
	1350.0	-0.59	-796.5		1350.0	-0.59	-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 Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
10029.2	**0.6274**	**6292.3**	17192.8 **17192.8**	1.000 **1.00**	(1.069 x 1.000 x 0.93) **0.994**	0.487 **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 HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
1		2746.00	2746.0	40.0	0.97	1	1.00	2491.22	1.00	2491.2	
				As-Built Total:						**2491.2**	

CODE COMPLIANCE STATUS

BASE				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.	
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 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 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.	
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.	

Columbia County Building Permit Application

44004 CK# 360 Revised 9-23-04

For Office Use Only Application # 0503-72 Date Received 3-23-05 By LH Permit # 23836

Application Approved by - Zoning Official BLK Date 07.04.05 Plans Examiner OK JTH Date 4-26-05

Flood Zone X-Pm Development Permit N/A ✓ Zoning A-3 ✓ Land Use Plan Map Category Agr A-3

Comments NOC (Have E/H & Disclosure statement)

Applicants Name LAWRENCE R. JONES Phone 386-497-2639 863-294-6921

Address 247 SW DELEWARE WAY Fort White FL 32038

Owners Name LAWRENCE R & STARR F. JONES Phone 386-497-2639

911 Address 247 SW DELEWARE WAY CELL: 863-604-3800

Contractors Name LAWRENCE R. JONES Phone 386-497-2639

Address 247 SW DELEWARE WAY * CELL: 863-604-3800

Fee Simple Owner Name & Address Call this # ↑ (497-2639)

Bonding Co. Name & Address

Architect/Engineer Name & Address GARY J. GILL P.O. Box 187, 130 W. Howard St, Live Oak FL. 32064

Mortgage Lenders Name & Address N/A

Circle the correct power company – FL Power & Light – (Clay Elec.) – Suwannee Valley Elec. – Progressive Energy

Property ID Number 00-00-00-01157-000 Estimated Cost of Construction $80,000.00

Subdivision Name TREE RIVERS ESTATE Lot 183 Block ____ Unit 18 Phase ____

Driving Directions US 27 "TREE RIVERS ESTATES" Go to "RIVERSIDE" (Left) to (2) MONTANA to (1) DELEWARE" most of WAY DOWN on Right Mail Box Marked "247"

Type of Construction LOG HOME Number of Existing Dwellings on Property 0

Total Acreage 1 Lot Size 100'X400' Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 137' ✓ Side 30' ✓ Side 40' ✓ Rear 237' ✓

Total Building Height 24'.58 Number of Stories 1½ Heated Floor Area 1351 Roof Pitch 10/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

Lawrence R. Jones
Owner Builder or Agent (Including Contractor)

Owner
Contractor Signature
Contractors License Number
Competency Card Number
NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 23 day of March 2005.
Personally known ____ or Produced Identification ✓

Lami
Notary Signature

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

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 00-00-00-01157-000

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

#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 WINTER HAVEN, FL. Interest in Property OWNER

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

5. Contractor Name LAWRENCE R. JONES (OWNER) Phone Number 386-497-2639
Address SAME CELL: 863-604-3800

6. Surety Holders Name N/A Phone Number
Address
Amount of Bond N/A

7. Lender Name N/A Phone Number
Address

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

9. In addition to himself/herself the owner designates _____ of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) – (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 recording, (Unless a different date is specified)

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Lawrence R. Jones
Signature of Owner

Sworn to (or affirmed) and subscribed before day of 3-23, 2005

NOTARY STAMP/SEAL
LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

Signature of Notary

st:2005006820 Date:03/23/2005 Time:12:34
DC,P.DeWitt Cason,Columbia County B:1041 P:1185

Documentary Stamps: +_____
Total: $
Prepared By And Return To:

TITLE OFFICES, LLC
2015 S. 1ST ST.
LAKE CITY, FL. 32025 01 68971

File #01Y-04019DH/

Property Appraisers Parcel Number(s)
01157-000
Grantee(s) S.S.#(s):
006-52-3968 & 007-44-8708

FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY, FL.

'01 MAY 21 AM 9:35

RECORD VERIFIED

BK 0926 PG 2665

OFFICIAL RECORDS

COLUMBIA COUNTY, FLORIDA CLERK CIRCUIT COURT

MCK

WARRANTY DEED

THIS WARRANTY DEED made and executed the 15th 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** _____.

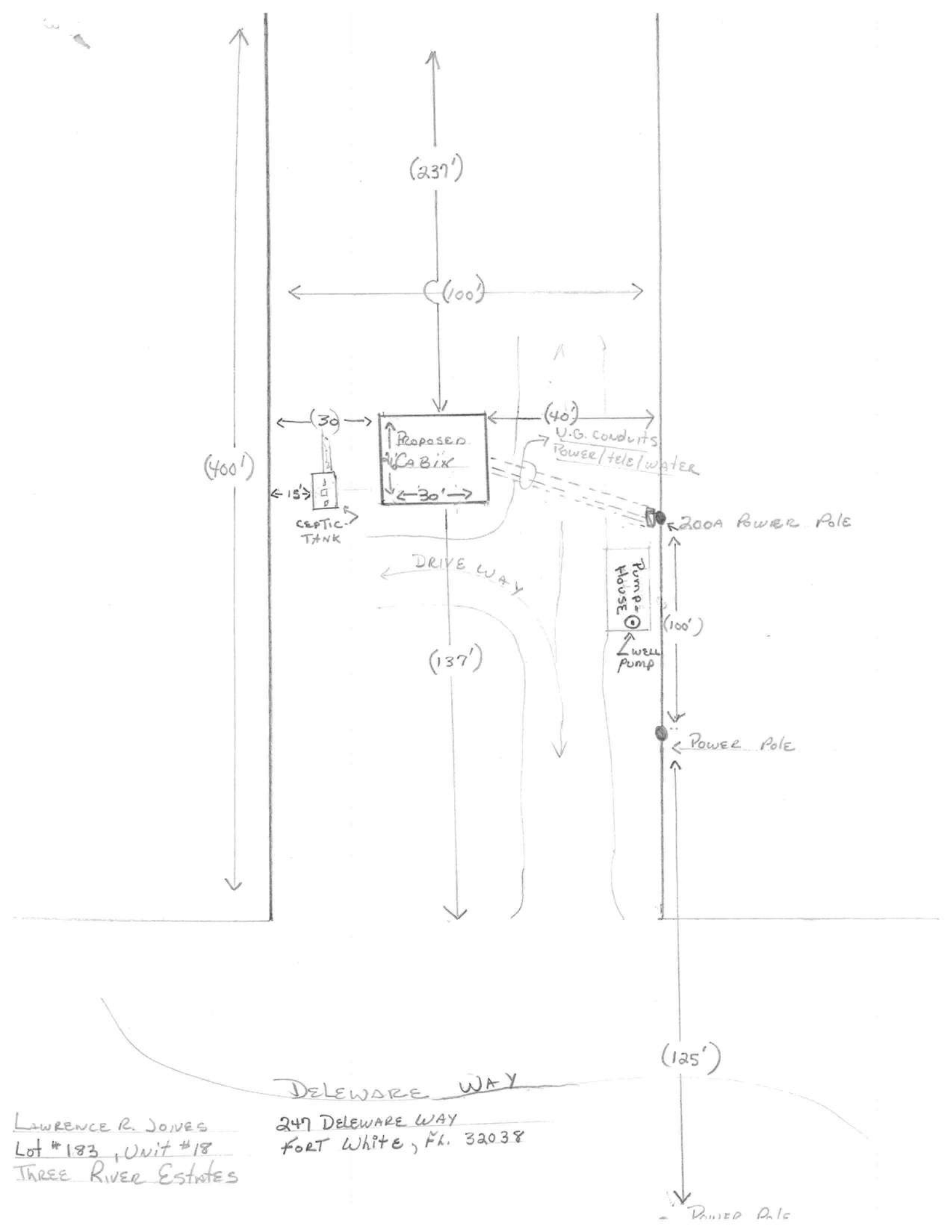
TOGETHER with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.
TO HAVE AND TO HOLD the same in fee simple forever.
AND the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good 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:

Witness: Sonita Hadson

Robert Edward Burckhalter
ROBERT EDWARD BURCKHALTER



LAWRENCE R. JONES
Lot #183, Unit #18
THREE RIVER ESTATES

247 DELEWARE WAY
FORT WHITE, FL. 32038

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

SOLD TO:
Lawrence Jones
Deleware St.
3 Rivers

DATE: 4-3-02

INVOICE

4" Water well complete with 1 HP submersible pump, 1 ¼ galvanized drop pipe, and 220 gallon ~~galvanized~~ Bladder tank, maximum 100 feet included ..... $ 1795.00

Additional footage over 100 feet will be charged at $8.00 per foot. ———

Suwannee River Water Management District – well permit 40.00

Additional 90.00

TOTAL DUE $ 1925.00

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!

Paid cash Pat Lynch

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 merchantable 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.

TYPE OF CONSTRUCTION

(X) Single Family Dwelling
( ) Farm Outbuilding
( ) New Construction
( ) Two-Family Residence
( ) Other_____
( ) Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I Lawrence R. Jones, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number_____

Lawrence R. Jones 3-23-05
Signature Date

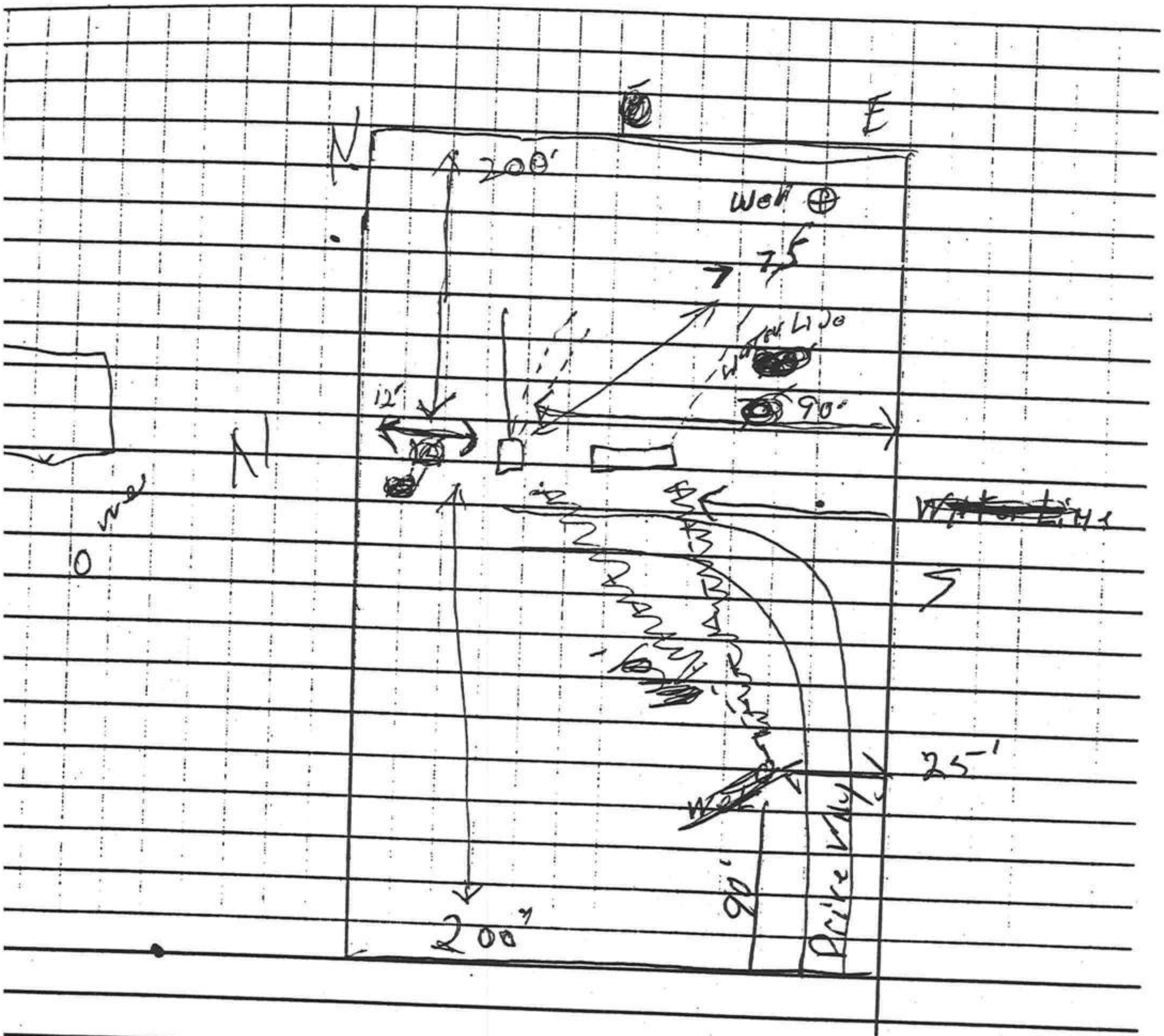
FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date 3-23-05 Building Official/Representative L. Dale

Permit Application Number 02-0100N

PART II - SITEPLAN



itted by: Howard a Sons / Felton   agent

John Hall   Not Approved______   Date 2-7-02

Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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

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

GENERAL REQUIREMENTS; Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☒	☒	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 GARY GILL architect or engineer, official seal shall be affixed. SUWANNE River Log Homes
☒	☒	**Site Plan including:**
		See ATTACHED SITE PLAN 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 CERTIFICATION BY GARY GILL PE 51942
		Sheet CS a. Basic wind speed (MPH) 110
		b. Wind importance factor (I) and building category I 2
		c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated B
		d. The applicable internal pressure coefficient .18
		See ATTACH STRUCTURAL WIND LOAD CALCULATIONS e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
☒	☒	**Elevations including:**
☒	☒	a) All sides
☒	☒	b) Roof pitch 10-12
☒	☒	c) Overhang dimensions and detail with attic ventilation 24" See ROOF VENT. NOTES Sheet A-10
☒	☒	d) Location, size and height above roof of chimneys Sheet A.1
☒	☒	e) Location and size of skylights FRONT ELEVATION Sheet A 1 4 Skylights
☒	☒	f) Building height 25'+ FOUNDATION
☒	☒	e) Number of stories 2

Floor Plan including:

a) Rooms labeled and dimensioned

b) Shear walls See Sheet A-7

c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed IN Both BATH SHOWN ON PLAN (egress windows in bedrooms to be shown) WINDOW SIZE NOT Egress

See ATTached NOT TO OWNER d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth

e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails

f) Must show and identify accessibility requirements (accessible bathroom) 32" Door 1ST FL. BAThroom

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 Sheet A-7

b) All posts and/or column footing including size and reinforcing See Sheet A-8

c) Any special support required by soil analysis such as piling PLAN SPECIFICATION ASSUMED

d) Location of any vertical steel A SOIL BEARING CAPASITY OF 2000 PSF Need SOIL ANALYSIS OF SOIL CONDITION See spec Sheet A-7

Roof System:

a) Truss package including:

1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

b) Conventional Framing Layout including:

1. Rafter size, species and spacing 4x6 CYP. 48" OC
2. Attachment to wall and uplift See D.1 Sheet A-10 & Sheet A 11 Ridge beam RAFTER
3. Ridge beam sized and valley framing and support details
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

1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
6. 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 2x6 studs 16" o.c.

1. All materials making up wall
2. Size and species of studs cypress log
3. Sheathing size, type and nailing schedule Second story 1/2 OSB
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail See Sheet A.11
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) See Sheet A.11
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 MFG spec. on roof material and fasting specification
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method) See Sheet A.4
11. Slab on grade
    a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed — Sheet A.7
    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 Need to provide R value on plans
    c. Crawl space (if applicable)

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer Gary Gill

b) Floor joist size and spacing 2x10 16 OC First Floor 4x10 on 32" C Second Floor

c) Girder size and spacing 3-2x10 See Detail D/A-8

d) Attachment of joist to girder Simpson LUS210 or LUS210-2

e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

b) Ceiling fans 3

c) Smoke detectors Add one to second floor

d) Service panel and sub-panel size and location(s) 200 AMP

e) Meter location with type of service entrance (overhead or underground)

f) Appliances and HVAC equipment

g) Arc Fault Circuits (AFCI) in bedrooms

HVAC information

a) Manual J sizing equipment or equivalent computation

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 Attached in file

***Notice Of Commencement Required Before Any Inspections Will Be Done**

None as of 3-24-05 Need be for first inspection

Private Potable Water

a) Size of pump motor
b) Size of pressure tank
c) Cycle stop valve if used

See Lynch Letter

16- Provide one additional smoke detector on second floor

17. NO Rec. outlets in crawl space unless GFI type

18 110V outlets on second should be on a AFCi circuit

19

FORM 600A-2001 Tested sealed ducts must be certified in this house. EnergyGauge® 3.4

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Jones Residence**	Builder:	
Address:		Permitting Office:	
City, State:	,	Permit Number:	
Owner:	**Lonny and Starr Jones**	Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		1	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1350 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	32.0 ft²	267.0 ft²	
b. Default tint, default U-factor	0.0 ft²	0.0 ft²	
c. Labeled U-factor or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Raised Wood, Post or Pier		R=13.0, 780.0ft²	
b. N/A			
c. N/A			
9. Wall types			
a. Log, 6 inch, Exterior		R=0.0, 1315.0 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=19.0, 1013.0 ft²	
b. N/A			
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 214.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 12.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	
	HSPF: 7.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	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-	

Glass/Floor Area: 0.22

Total as-built points: 16601
Total base points: 17307

PASS

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

PREPARED BY: GARY GILL

DATE: 2/25/05

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

OWNER/AGENT: _____

DATE: _____

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.

GREAT SEAL OF THE STATE OF FLORIDA — IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1350.0	20.04	4869.7	Double, Clear	E	8.8	6.0	14.0	42.06	0.44	257.9	
				Double, Clear	E	8.0	4.5	9.5	42.06	0.40	161.0	
				Double, Clear	E	1.5	6.0	42.0	42.06	0.91	1612.5	
				Double, Clear	E	1.5	4.5	9.5	42.06	0.85	338.9	
				Double, Clear	N	8.0	5.8	27.0	19.20	0.67	344.9	
				Double, Clear	N	1.5	5.8	13.5	19.20	0.94	242.5	
				Double, Clear	W	8.0	5.5	54.0	38.52	0.45	944.5	
				Double, Clear	W	1.0	5.0	88.0	38.52	0.95	3217.7	
				Single, Clear	S	8.0	5.8	18.0	40.81	0.48	353.7	
				Double, Clear	S	8.0	4.5	9.5	35.87	0.46	155.7	
				Single, Clear	S	1.5	6.0	14.0	40.81	0.86	489.2	
				As-Built Total:				**299.0**			**8118.4**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Log, 6 inch, Exterior	0.0	1315.0	1.50	1972.5
Exterior	1315.0	1.70	2235.5					
Base Total:	**1315.0**		**2235.5**	**As-Built Total:**		**1315.0**		**1972.5**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Wood	42.0	6.10	256.2
Exterior	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	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	780.0	1.73	1349.4	Under Attic	19.0	1013.0	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	Type	R-Value	Area X	SPM	= Points
Slab	0.0(p)	0.0	0.0	Raised Wood, Post or Pier	13.0	780.0	0.98	766.5
Raised	780.0	-3.99	-3112.2					
Base Total:			**-3112.2**	**As-Built Total:**		**780.0**		**766.5**

INFILTRATION	Area X	BSPM	= Points		Area X	SPM	= 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 Base Points:		**19382.1**	**Summer As-Built Points:**					**27267.6**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
19382.1	**0.4266**	**8268.4**	27267.6 **27267.6**	1.000 **1.00**	(1.090 x 1.000 x 0.91) **0.992**	0.284 **0.284**	0.857 **0.857**	6595.4 **6595.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	1350.0	12.74	3095.8	Double, Clear	E	8.8	6.0	14.0	18.79	1.38	363.8
				Double, Clear	E	8.0	4.5	9.5	18.79	1.43	255.7
				Double, Clear	E	1.5	6.0	42.0	18.79	1.04	817.3
				Double, Clear	E	1.5	4.5	9.5	18.79	1.06	189.3
				Double, Clear	N	8.0	5.8	27.0	24.58	1.02	678.1
				Double, Clear	N	1.5	5.8	13.5	24.58	1.00	332.7
				Double, Clear	W	8.0	5.5	54.0	20.73	1.20	1345.2
				Double, Clear	W	1.0	5.0	88.0	20.73	1.01	1848.9
				Single, Clear	S	8.0	5.8	18.0	20.24	3.18	1157.9
				Double, Clear	S	8.0	4.5	9.5	13.30	3.46	436.9
				Single, Clear	S	1.5	6.0	14.0	20.24	1.12	316.7
				As-Built Total:				**299.0**			**7742.5**

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Log, 6 inch, Exterior	0.0	1315.0	4.50	5917.5
Exterior	1315.0	3.70	4865.5					
Base Total:	**1315.0**		**4865.5**	**As-Built Total:**		**1315.0**		**5917.5**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Wood	42.0	12.30	516.6
Exterior	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	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	780.0	2.05	1599.0	Under Attic	19.0	1013.0	2.70 X	1.00	2735.1
Base Total:	**780.0**		**1599.0**	**As-Built Total:**		**1013.0**			**2735.1**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	0.0(p)	0.0	0.0	Raised Wood, Post or Pier	13.0	780.0	1.38	1077.6
Raised	780.0	0.96	748.8					
Base Total:			**748.8**	**As-Built Total:**		**780.0**		**1077.6**

INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points
	1350.0	-0.59	-796.5		1350.0	-0.59	-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 Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
10029.2	**0.6274**	**6292.3**	17192.8 **17192.8**	1.000 **1.00**	(1.069 x 1.000 x 0.93) **0.994**	0.487 **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 HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
1		2746.00	2746.0	40.0	0.97	1	1.00	2491.22	1.00	2491.2	
				As-Built Total:							**2491.2**

CODE COMPLIANCE STATUS

BASE					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.	
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 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 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.	
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.	

	Name	Telephone#
		863-294-6921
Builder	LAWRENCE JONES	386-497-2639
Owner	SAME	
Engineer	GARY J. GILL PE 51942	386-362-3678
Designer	SUWANNEE River Log Homes INC RJ RJR	

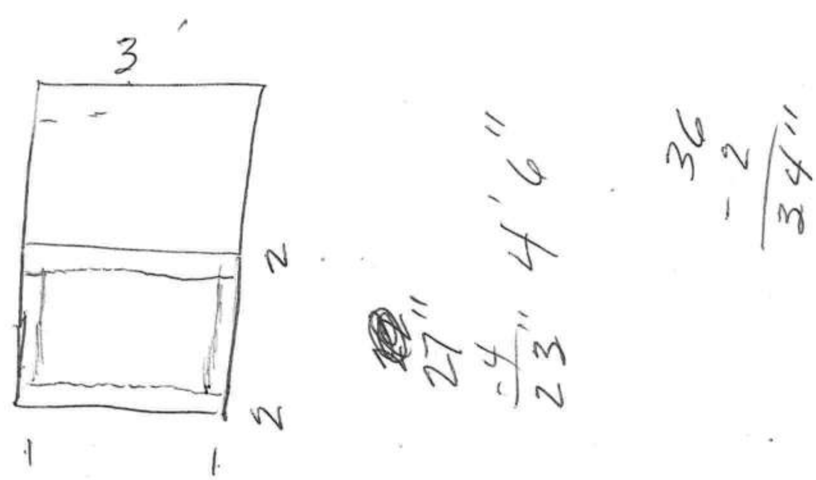
Heated & Cooled Area		1351	**Building Height**	25+ Foundation
Front Porch	"	672	**Roof Pitch**	10/12
Back Porch	"	490		
Garage	"			
	"			
Total	"	2503		

received 3-23-05

1. Need 911 Address 247 Delaware 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 ATTACHMENT SPEC ON ALL windows, DOOR AND SKYLITES
5. Need FIREPLACE SPECIFICATION with MFG SPEC.
6. Give HEARTH DETAIL Fire proofing
7. Show GREATER DETAIL ON STAIRS 90° LANDING Rise & Tread width see section 1007.3 FBC
8. Need SOIL ANALYSIS TO CONFIRM SOIL IS 2000 PSF see spec. sheet A3
9. Need MFG SPEC ON METAL ROOFING MATERIAL WIND LOAD DESGIN A-7
10. Need MFG SPEC ON 3" RIGID INSULATION
11. Show HEADER FRAMING Schedule FOR INTERIOR AND EXTERIOR LOAD BEARING OPENING
12. Show EXTERIOR & INTERIOR FIRESTOPING METHOD FOR ANY PENTRATION
13. Provide R VALUE FOR ATTIC SPACE second STORY EXTERIOR WALL AND CRAL SPACE
14. ALL INTERIOR WALL OUTLET BOX SHALL be METAL TYPE secured by outer EARS THAT ARE EMBEDED IN TO LOG WALLS
15. ONE window IN MASTER bed room SHALL MEET FBC chapter 1005.44 EXCEPTION MINIMUM NET CLEAR OPENING OF 5 SQ FT. Second FLOOR WINDOWS AT LEAST ONE SHALL HAVE 5.7 SQ FT CLEAR OPENING see ATTACH code

CHECKLIST FOR RESIDENTIAL/COMMERCIAL

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



23836

UNIVERSAL
ENGINEERING SCIENCES
Consultants In: Geotechnical Engineering • Environmental Sciences • Construction Materials Testing

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

REPORT ON IN-PLACE DENSITY TESTS

CLIENT: Richardson Site Prep

PROJECT: Jones Resid

AREA TESTED: Fill for prop Bldg pad

COURSE: F/G DEPTH OF TEST: 0-1'

TYPE OF TEST: ASTM D-2922 DATE TESTED: 12-1-05

NOTE: The below tests ~~DO / DO NOT~~ meet the minimum 95 % compaction requirements of maximum density.

REMARKS:

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT. MOIST.
		107.1			10.8
approx 10' NW of SE corner of pad	102.1		95.3	4.8	
approx center of pad	101.9		95.1	5.1	
approx 12' SE of the NW corner of pad	102.2		95.4	5.0	

GTC DESIGN GROUP

Lonny and Starr Jones

STRUCTURAL AND WIND LOAD CALCULATIONS

For

Suwannee River Log Homes

12/25/05

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

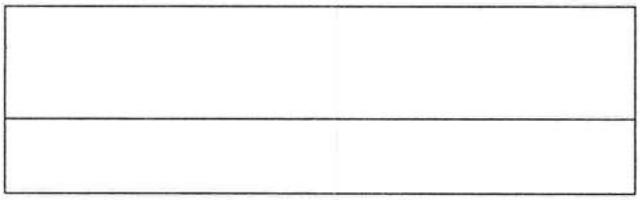
Design Loads

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

Project Name	Jones Residence	Date	2/1/2005
Project Number	PF05-xxx		
Client	SRLH		

Windloading

DATA SHEET

Wind	110 mph
Building Length	30 ft
Building Width	26 ft
Type	2 Stories

LOAD SHEET DATA

RAFTERS

Element	Description	Spacing (ft)	Rafter Horz. Length (ft)	Pitch (:12)	Dead Load (psf)	Live Load (psf)	Wind Load (psf)	R1	R2	At
Rafter 1	Profile - 3:12 Pitch	4	13	3	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	1	32

RIDGE BEAMS

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

WALL LOADS

Dead	7 psf
Wall heigth	8 psf

FLOOR JOIST

Element	Description	Spacing (ft)	Dead Load (psf)	Live Load Lo(psf)	Tributary Width	Beam Length (ft)	At	KII	Ladjust	Live Load 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

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

TRUSS UPLIFT

Element	Description	Spacing (in)	Pitch (:12)	Span (ft)	Dead (psf)	Winward Overhang (psf)	Winward Roof (psf)	Leeward Roof (psf)
Truss 1	TR-1 Special Truss (Front)	24	6	25.66	10	-40.58	-18.92	-10.74

BEAMS

Element	Description	Dead Load (psf)	Live Load (psf)	Tributary Width	Beam Length (ft)	At	KII	Ladjust	Live Load L)psf)
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	11.04 psf
Surface2	1.22 psf
Surface3	-4.04 psf
Surface4	-3.19 psf
Surface5	8.78 psf
Surface6	-1.66 psf

GTC DESIGN GROUP

Project name: Jones Residence
Project number: PF05-xxx
Date: 2/1/2005
Client: SRLH
Calc's by: GG

RAFTER LOADS

Element	Spacing (ft)	Length (ft)	Pitch (:12)	Loads							
				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	80.00	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) 12 ***pitch of 12 used as conservative
Load factor: 1.41

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)	w live "L" (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 (plf)	w live (plf)
Floor Girder 2 -	13	20	80	316.00	1040.00

WIND98 v3-02

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	B	
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 changed only through "Main Menu"

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

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table C6-4 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	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
Izm	Cc * (33/z)^0.167	0.3048	
Lzm	l*(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*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	

WIND98 v3-02

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
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

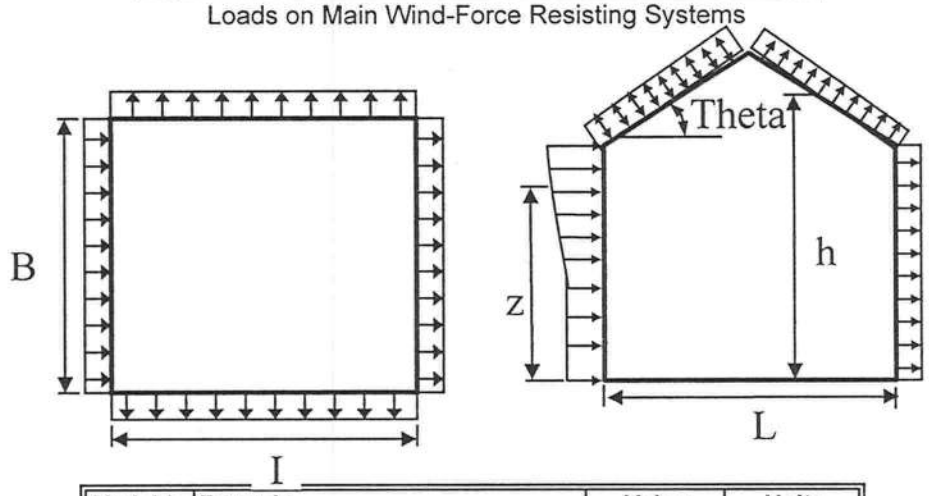
Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**

WIND98 v3-02

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	
Kht	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	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	18.45	psf

Wall Pressure Coefficients, Cp	
Surface	**Cp**
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 *Additional Runs may be req'd for other wind directions*	**Cp**	**Pressure (psf)** **+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 Wind Normal to 26 ft face			
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) - for Wind Normal to 26 ft face			
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

WIND98 v3-02

Wind Load Design per ASCE 7-98

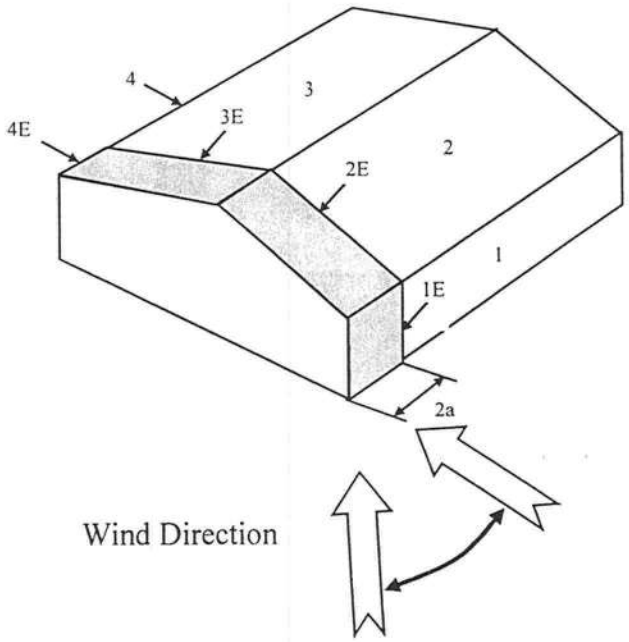
Figure 6-4 - External Pressure Coefficients, GCpf

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)



WIND98 v3-02

Wind Load Design per ASCE 7-98

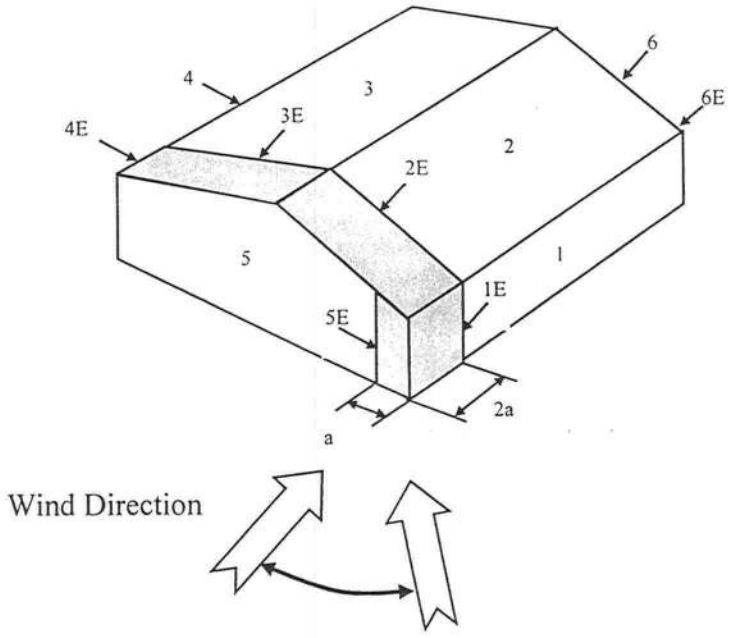
Figure 6-4 - External Pressure Coefficients, GCpf

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)

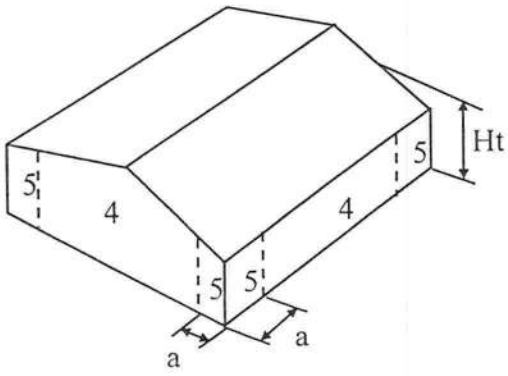


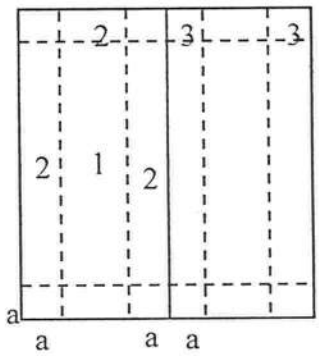
WIND98 v3-02

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 (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/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.

WIND98 v3-02

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	II	
Exposure	B	
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 Parameters		
Type of Structure		
Height/Least Horizontal Dim	1.63	
Flexible Structure	No	

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table C6-4 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	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
Izm	Cc * (33/z)^0.167	0.3048	
Lzm	l*(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*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8936	
Gust Factor Summary			
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85	

WIND98 v3-02

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

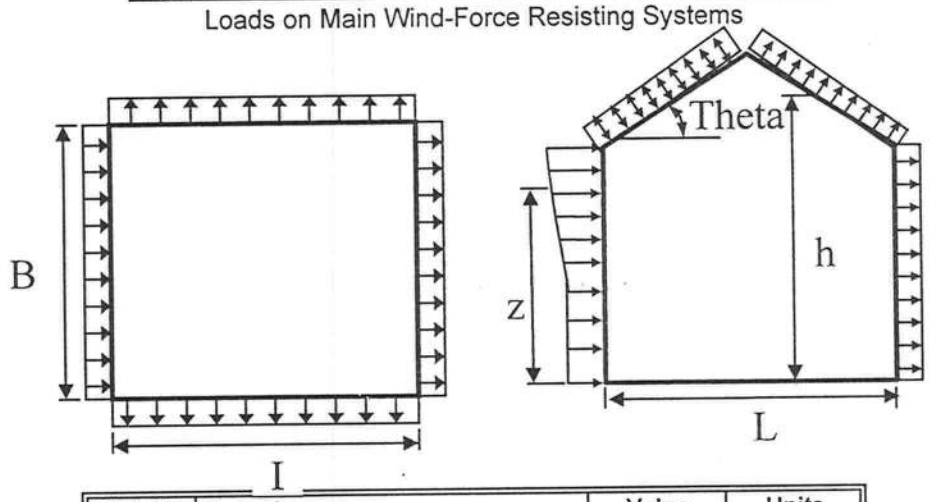
Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**

WIND98 v3-02

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	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	18.45	psf

Wall Pressure Coefficients, Cp	
Surface	**Cp**
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 *Additional Runs may be req'd for other wind directions*	**Cp**	**Pressure (psf)** **+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) - for Wind Normal to 8 ft face			
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 Wind Normal to 8 ft face			
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

WIND98 v3-02

Wind Load Design per ASCE 7-98

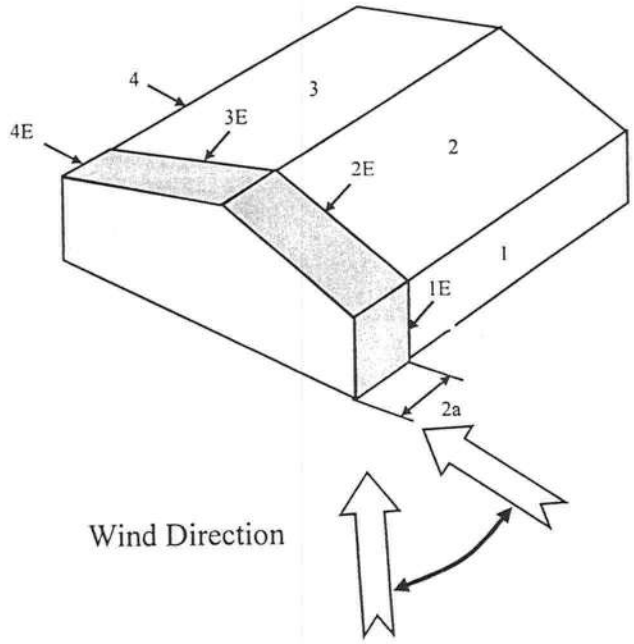
Figure 6-4 - External Pressure Coefficients, GCpf

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
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)



WIND98 v3-02

Wind Load Design per ASCE 7-98

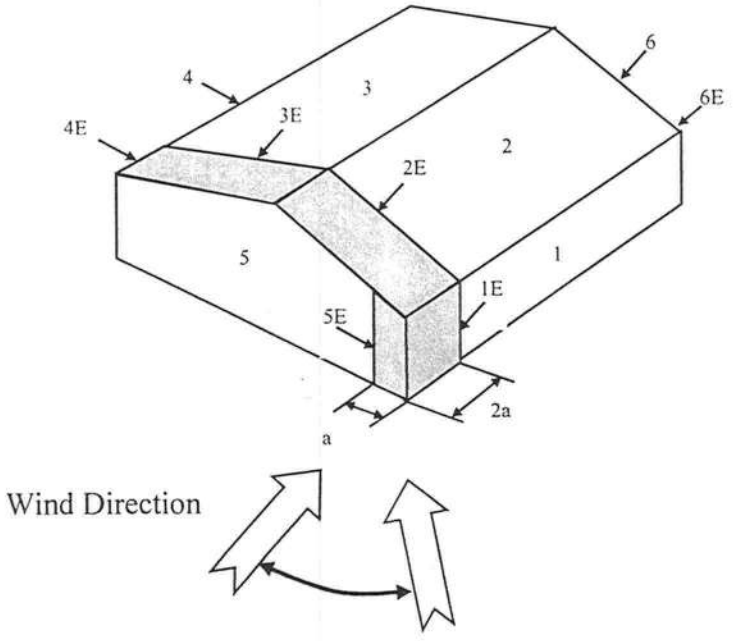
Figure 6-4 - External Pressure Coefficients, GCpf

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)

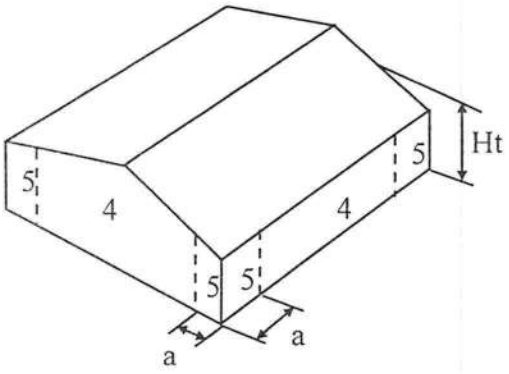


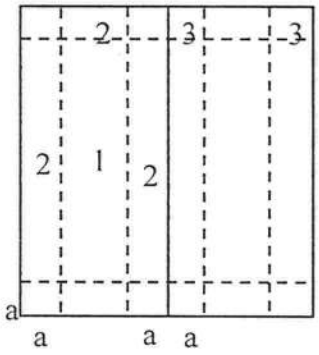
WIND98 v3-02

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 = 0.8 ==> 3.00 ft

Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/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.

 www.mecaconsulting.com

Title : Horning
Dsgnr: Gary Gill
Description :

Job #
Date:

Scope :

Timber Beam & Joist

Description Special Beams

Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		Beam 1
Timber Section		3-2x10
Beam Width	in	4.500
Beam Depth	in	9.250
Le: Unbraced Length	ft	0.00
TImber Grade		Southern 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

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
		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

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 :

Job #
Date:

Scope :

Timber Beam & Joist

Description Rafters

Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		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		ouglas Fir-South, N	ouglas Fir-South, N 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
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
@ X =	ft	6.50	6.50
fb : Actual	psi	583.6	520.5
Fb : Allowable	psi	1,138.5	1,138.5
		Bending OK	Bending OK
fv : Actual	psi	31.3	27.9
Fv : Allowable	psi	90.0	90.0
		Shear OK	Shear OK

Reactions

@ 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	-0.260	-0.231
Location	ft	6.500	6.500
L/Defl Ratio		601.1	673.9

Title : Horning Job #
Dsgnr: Gary Gill Date:
Description :

Scope :

Timber Beam & Joist

Description Ridge beam

Timber Member Information

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		Douglas Fir - Larch, Douglas 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

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
		Bending OK
fv : Actual	psi	65.6
Fv : Allowable	psi	85.0
		Shear OK

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

Deflections

Ratio OK

Center DL Defl	in	-0.128
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 :

Job #
Date:

Scope :

Timber Beam & Joist

Description Rafters-uplift

Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		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		ouglas Fir-South, N	ouglas Fir-South, N 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
Dead Load	#/ft		
Live Load	#/ft	-41.00	26.90
Point #1 DL	lbs		
LL	lbs		
@ X	ft		

Results

Ratio =		0.1176	0.1138
Mmax @ Center	in-k	0.00	6.82
@ X =	ft	0.00	6.50
fb : Actual	psi	0.0	129.5
Fb : Allowable	psi	1,138.5	1,138.5
		Bending OK	Bending OK
fv : Actual	psi	10.6	6.9
Fv : Allowable	psi	90.0	90.0
		Shear OK	Shear OK

Reactions

@ Left End	DL	lbs	0.00	0.00
	LL	lbs	-266.50	174.85
	Max. DL+LL	lbs	-266.50	174.85
@ Right End	DL	lbs	0.00	0.00
	LL	lbs	-266.50	174.85
	Max. DL+LL	lbs	-266.50	174.85

Deflections

		Ratio OK	Deflection OK
Center DL Defl	in	0.000	0.000
L/Defl Ratio		0.0	0.0
Center LL Defl	in	0.088	-0.058
L/Defl Ratio		1,776.8	2,708.1
Center Total Defl	in	0.088	-0.058
Location	ft	6.500	6.500
L/Defl Ratio		1,776.8	2,708.1

Title : Horning
Dsgnr: Gary Gill
Description :

Job #
Date:

Scope :

Timber Beam & Joist

Description floor joists

Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		Joist 1 (2nd Fl	Joist 2 (1st fl		
Timber Section		**4x10**	**2x10**		
Beam Width	in	3.500	1.500		
Beam Depth	in	9.500	9.250		
Le: Unbraced Length	ft	0.00	0.00		
TImber Grade		Douglas Fir - Larch,	Southern Pine, No.2	Southern Pine, No.2	Douglas Fir - Larch,
Fb - Basic Allow	psi	875.0	1,050.0		
Fv - Basic Allow	psi	95.0	90.0		
Elastic Modulus	ksi	1,600.0	1,600.0		
Load Duration Factor		1.000	1.000		
Member Type		Sawn	Manuf/Pine		
Repetitive Status		Repetitive	Repetitive		

Center Span Data

Span	ft	13.00	13.00
Dead Load	#/ft	26.70	13.30
Live Load	#/ft	106.80	53.20

Results

	Ratio =	0.5324	0.6527
Mmax @ Center	in-k	33.84	16.86
@ X =	ft	6.50	6.50
fb : Actual	psi	642.8	788.1
Fb : Allowable	psi	1,207.5	1,207.5
		Bending OK	Bending OK
fv : Actual	psi	34.4	41.5
Fv : Allowable	psi	95.0	90.0
		Shear OK	Shear OK

Reactions

@ Left End	DL	lbs	173.55	86.45
	LL	lbs	694.20	345.80
	Max. DL+LL	lbs	867.75	432.25
@ Right End	DL	lbs	173.55	86.45
	LL	lbs	694.20	345.80
	Max. DL+LL	lbs	867.75	432.25

Deflections

		Ratio OK	Deflection OK
Center DL Defl	in	-0.043	-0.054
L/Defl Ratio		3,637.9	2,889.2
Center LL Defl	in	-0.172	-0.216
L/Defl Ratio		909.5	722.3
Center Total Defl	in	-0.214	-0.270
Location	ft	6.500	6.500
L/Defl Ratio		727.6	577.8

Title : Horning Job #
Dsgnr: Gary Gill Date:
Description :

Scope :

Timber Beam & Joist

Description Floor girders

Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		Girder1 (2nd Fl	Girder 2 (2nd F
Timber Section		6x12	3-2x10
Beam Width	in	5.500	4.500
Beam Depth	in	11.500	9.250
Le: Unbraced Length	ft	0.00	0.00
TImber Grade		Douglas Fir - Larch, Southern Pine, No.2	nthony 24F, Anthonynthony 24F. Anthony Southern Pine, No.2
Fb - Basic Allow	psi	875.0	1,050.0
Fv - Basic Allow	psi	95.0	90.0
Elastic Modulus	ksi	1,600.0	1,600.0
Load Duration Factor		1.000	1.000
Member Type		Sawn	Sawn
Repetitive Status		No	No

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
		Bending OK	Bending OK
fv : Actual	psi	62.4	49.2
Fv : Allowable	psi	95.0	90.0
		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
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

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 26-6S-15-01157-000 **Building permit No.** 000023836

Use Classification SFD,UTILITY **Fire:** 57.78

Permit Holder OWNER BUILDER **Waste:** 150.75

Owner of Building LAWRENCE JONES **Total:** 208.53

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

Date: 01/30/2012

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

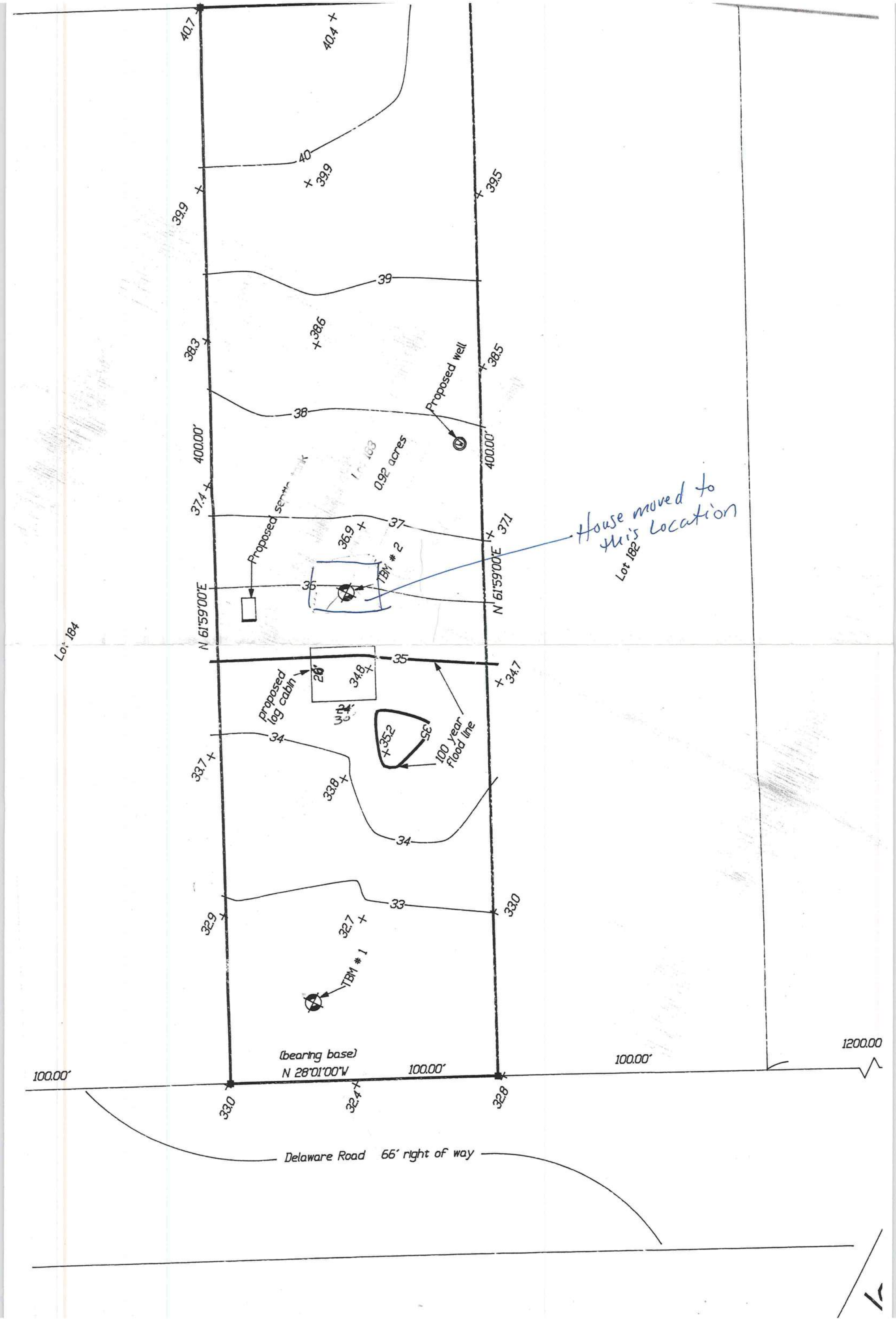
Mr. Lawrence Jones
66 Bragg Point Ln
Weld, ME 04285

May 2
2005

Hi Gale,

I just got off the phone with you and you were very helpful. Here are the copy's your office needs to complete our application for our permit on the log cabin. We will be getting back to Fla. in Nov. at which time we will come right to the office to pick up the permit as well as the papers we submitted (Blue Prints) etc. We do appreciate your holding them for us until we return. The plans are under "Lawrence Jones". I'm sending you our Maine lake if you need to correspond w/us in any way.

(Stan Jones) Thanks + Have a great Summer



Delaware Road 66' right of way
(bearing base)
N 28°01'00"W
100.00'
100.00'
100.00'
1200.00
33.0
32.4
32.8
TBM # 1
32.7
32.9
33.0
33
34
33.8
33.7
35.2
35
100 year flood line
proposed log cabin
26'
24'
34.8
35
34.7
N 61°59'00"E
N 61°59'00"E
Lot 184
Lot 182
Lot 183
TBM # 2
36
Proposed septic tank
House moved to this Location
36.9
37
37.1
37.4
0.92 acres
400.00'
400.00'
38
Proposed well
38.3
38.5
38.6
39
39.9
39.9
39.5
40
40.7
40.4