DATE 01/08/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000025382

APPLICANT CLAYTON HUNT PHONE 386.454.0995

ADDRESS 75 1ST AVENUE HIGH SPRINGS FL 32643

OWNER GEOFFERY GAVERE PHONE 454-0233

ADDRESS 227 SW SANOMA COURT FORT WHITE FL 32038

CONTRACTOR CLAYTON HUNT PHONE 386.454.0995

LOCATION OF PROPERTY 47 S, L 27, TO C-778,TL TO SANOMA CT,TR AND YOU'RE @ THE DRIVEWAY.

TYPE DEVELOPMENT ADD/SFD ESTIMATED COST OF CONSTRUCTION 12500.00

HEATED FLOOR AREA 250.00 TOTAL AREA 250.00 HEIGHT 14.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 5'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

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

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 18-7S-17-10017-005 SUBDIVISION

LOT BLOCK PHASE UNIT 0 TOTAL ACRES

Culvert Permit No.	Culvert Waiver	CGC059976 Contractor's License Number	Applicant/Owner/Contractor	
EXISTING	06-1052E	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD.

Check # or Cash 2584

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ____ date/app. by — Foundation ____ date/app. by — Monolithic ____ 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 $ 65.00 CERTIFICATION FEE $ 1.25 SURCHARGE FEE $ 1.25

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 142.50

INSPECTORS OFFICE 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.

CK# 8527
2584

left message

Columbia County Building Permit Application

For Office Use Only Application # 0611-65 Date Received 11/29 By G Permit # 25382

Application Approved by - Zoning Official BLK Date 12-12-06 Plans Examiner CKJH Date 12-8-06

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

need MH Comments Addition

NOC (need) EH Deed or PA Site Plan State Road Info Parent Parcel # Development Permit

Fax

Name Authorized Person Signing Permit C.R. Hunt Phone 386-454-0995

Address 75 NW Paul - High Springs Fl. 32643

Owners Name Jeff & Linda Gavere Phone

911 Address 227 SW Sedona CT. Ft. White Fl. 32038

Contractors Name CLAYTON Contracting Corporation Phone 386-454-0995

Address 75 NW Paul High Springs Fl. 32643

Fee Simple Owner Name & Address Geoffery & Linda Gavere 227 S.W. Sedona CT. Ft. White

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address GARY GILLRE. 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 R-10017-005 Estimated Cost of Construction $150,000

Subdivision Name SEC 18 TS 7 South RANGE 17 EAST Lot ____ Block ____ Unit ____ Phase ____

Driving Directions FR. Ft. White So on 27 TO 778 Tl. To Sedona CT TR.

Type of Construction CMU ADDITION SFD Number of Existing Dwellings on Property 1

Total Acreage 6+ Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 280 Side 165 Side 140 Rear 200

Total Building Height 14 Number of Stories 1 Heated Floor Area 250 Roof Pitch 5/12

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.

Owner Builder or Authorized Person by Notarized Letter

Contractor Signature

Contractors License Number CG-C059976

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF ~~COLUMBIA~~ Alachua

Sworn to (or affirmed) and subscribed before me
this 28 day of November 20 06.

Personally known ____ or Produced Identification G160282462500

Notary Signature

ROBIN D. FALKENBURG
Notary Public - State of Florida
My Commission Expires Feb 28, 2009
Commission # DD 383653

(Revised Sept. 2006)

ALACHUA
PEST CONTROL inc.

#25382

14900 NW 140th St. / P.O. Box 1132 / Alachua, Florida 32616-1132
(386) 462-2958 (352) 375-1555 (386) 462-1310 Fax

Certificate of Protective Treatment for Prevention of Subterranean Termites

1) Applicators Name WADE HODGE

2) Time and Date of Treatment 2-22-07 11:30 AM

3) Site Location 227 SW SEDONA CT
FORT WHITE FL

4) Chemical used and % of Concentration CYPER TC .25%

5) Number of Gallons of Finish Product and Type of Slab 300 GAL
MONO & STEM WALL COMBO (2 ADDITIONS ONLY)

All above information is accurate and product was used strictly by label recommendations to the best of my knowledge.

Alachua Pest Control Application Technician.

Wade Hodge 2-22-07

Signature Date

STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-1052E

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.

See attached

Notes: _____

Site Plan submitted by: _____ 11/28/06 _____
Signature

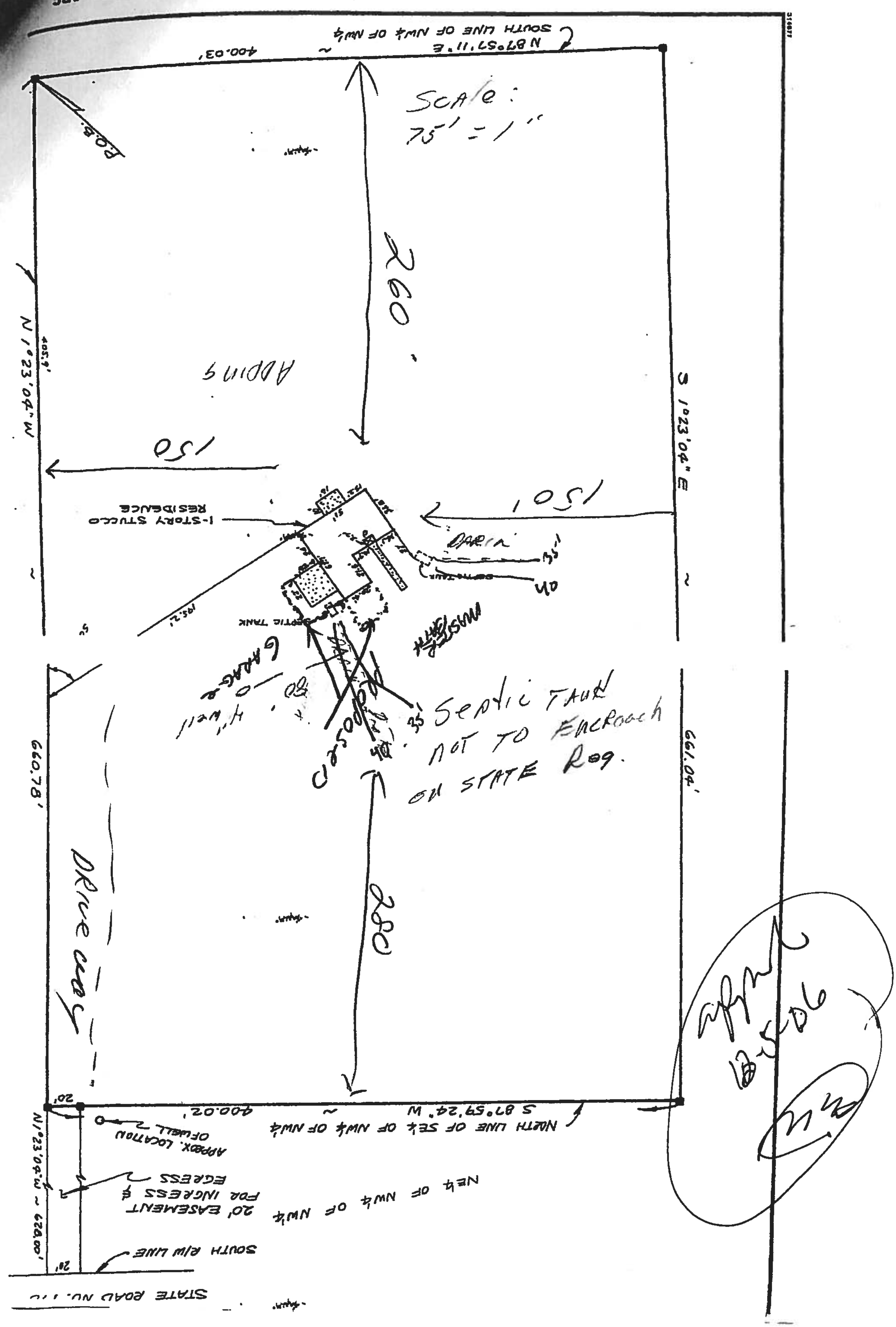
Title

Plan Approved ✓ Not Approved _____ Date 12/5/06

By _____ Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Jul 12 05 03:43p Jim Douglas Chev 386 454 1411 p.6



STATE OF FLORIDA AC# 2838785

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CGC059976 09/22/06 060060556

CERTIFIED GENERAL CONTRACTOR
HUNT, CLAYTON RANDOLPH
CLAYTON CONTRACTING CORPORATION

IS CERTIFIED under the provisions of Ch.489 FS.

Expiration date: AUG 31, 2008 L06092201791

STATE ROAD NO. 110
SOUTH R/W LINE
20'
NE¼ OF NW¼ OF NW¼
20' EASEMENT FOR INGRESS & EGRESS
APPROX. LOCATION OF WELL
N1°23'04"W ~ 628.00'
NORTH LINE OF SE¼ OF NW¼ OF NW¼
S 87°59'24" W ~ 400.02'
20'
DRIVEWAY
660.78'
661.04'
280'
PROPOSED
GARAGE
165'
MASTER BATH
SEPTIC TANK
SEPTIC TANK
150'
1-STORY STUCCO RESIDENCE
150'
S 1°23'04" E
N 1°23'04" W
405.9'
260'
P.O.B.
N 87°57'11" E ~ 400.03'
SOUTH LINE OF NW¼ OF NW¼

Inst:2002023814 Date:12/03/2002 Time:15:13
Doc Stamp-Deed : 184.80
DC,P.DeWitt Cason,Columbia County B:968 P:2304

WARRANTY DEED
(STATUTORY FORM - SECTION 689.02, F.S.)
This document prepared by and to be returned to:
Gary D. Grunder
Grunder & Petteway, P. A.
1025-5A North Main Street
High Springs, Florida, 32643

Tax Parcel Number:
R10017-000

Easement

THIS INDENTURE made November 25, 2002,

BETWEEN David G. Manship and Aline E. Manship, husband and wife, whose post office address is 285 SW Bussey Glen, Ft. White, Florida, 32038, herein called Grantor, and

James L. Swartz, Jr., whose post office address is P.O. Box 3247, High Springs, Florida, 32655, and Camille L. Swartz, whose post office address is 3621 SW 28th Terrace, Apt. B, Gainesville, Florida 32608, as Joint Tenants with Right of Survivorship, herein called Grantee,

Witnesseth that said grantor, for and in consideration of the sum of TEN AND NO/100 ($10.00) Dollars, and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in the county(ies) of Columbia state of Florida, to wit:

Commence at the Southeast corner of the Northeast 1/4 of the Northwest 1/4 of the Northwest 1/4 of Section 18, Township 7 South, Range 17 East, Columbia County, Florida; thence South 87 deg. 57 min. 21 sec. West, along the South line of said Northeast 1/4 of Northwest 1/4 of Northwest 1/4, 14.85 feet to the Point of Beginning; thence continue South 87 deg. 57 min. 21 sec. West, along said South line, 385.16 feet to the Northwest corner of the lands described in Official Records Book 556 at Page 563 of the Public Records of Columbia County, Florida; thence North 01 deg. 24 min. 45 sec. West, along the Northerly prolongation of the West line of said Public Records, 587.72 feet to the South right of way of County Road No. 778 and to a point on a curve; thence run Easterly along said right of way along the arc of a said curve concave to the South having a radius of 2824.79 feet, delta angle of 07 deg. 32 min. 51. sec., 372.11 feet to an existing fence; thence South 02 deg. 49 min. 43 sec. East, along said existing fence, 623.15 feet to the Point of Beginning.

Subject to and reserving unto the Grantor, a 20 foot easement for ingress and egress over and across the East 20 feet thereof.

AND SAID GRANTOR does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

Grantor and grantee are used for singular or plural, as context requires.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Witness: Print Name Amy L. Kenner
David G. Manship
David G. Manship

Witness: Print Name Sharon S. Nystrom

Witness: Print Name Amy L. Kenner
Aline E. Manship
Aline E. Manship

Witness: Print Name Sharon S. Nystrom

COPY

Inst:2002023813 Date:12/03/2002 Time:15:13
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:968 P:2303

GRANT OF EASEMENT

This Grant of Easement is given by David G. Manship and Aline E. Manship, husband and wife, owning a portion of the real property being granted as an easement and described below, herein called Grantor, and

Mary M. Edwards, herein called Grantee.

IN CONSIDERATION of the payment of $10.00, the receipt of which is hereby acknowledged, the Grantor does hereby grant unto the Grantee, also reserving unto the Grantors, their successors and/or assigns, a non-exclusive easement for ingress, egress and public utilities, over, under and across the following described property:

An easement for the purpose of ingress and egress over and across the East 20 feet of property located in Section 18, Township 7 South, Range 17 East, Columbia County, Florida, being more particularly described as follows:

Commence at the Southeast corner of the Northeast 1/4 of the Northwest 1/4 of the Northwest 1/4 of Section 18, Township 7 South, Range 17 East, Columbia County, Florida; thence South 87 deg. 57 min. 21 sec. West, along the South line of said Northeast 1/4 of Northwest 1/4 of Northwest 1/4, 14.85 feet to the Point of Beginning; thence continue South 87 deg. 57 min. 21 sec. West, along said South line, 385.16 feet to the Northwest corner of the lands described in Official Records Book 556 at Page 563 of the Public Records of Columbia County, Florida; thence North 01 deg. 24 min. 45 sec. West, along the Northerly prolongation of the West line of said Public Records, 587.72 feet to the South right of way of County Road No. 778 and to a point on a curve; thence run Easterly along said right of way along the arc of a said curve concave to the South having a radius of 2824.79 feet, delta angle of 07 deg. 32 min. 51. sec., 372.11 feet to an existing fence; thence South 02 deg. 49 min. 43 sec. East, along said existing fence, 623.15 feet to the Point of Beginning.

It is further understood that neither Grantors nor their heirs, assigns and tenants in any way will be bound to improve, maintain or construct a roadway or to keep it in repair; it is further understood that neither Grantors nor their heirs and assigns assume any liability or responsibility to Grantees, their heirs and assigns, others likely situated, their heirs and assigns, or any person using the land by invitation, expressed or implied, or by reason of any business conducted with Grantees, their heirs and assigns, or otherwise.

IN WITNESS WHEREOF, the said Grantor has hereunto set her hand and seal this 14th day of November, 2002.

Signed, sealed and delivered in our presence:

Amy L. Renner
Print Name: Amy L. Renner

Sarah S. Nystrom
Print Name: SARAH S. NYSTROM

David G. Manship
David G. Manship

Aline E. Manship
Aline E. Manship

STATE OF FLORIDA)
COUNTY OF Alachua)

The foregoing instrument was acknowledged before me this 14th day of November, 2002, by David G. Manship and Aline E. Manship, who

( ) are personally known to me
(✓) produced a current Florida driver's license as identification
( ) produced _____ as identification.

Sarah S. Nystrom
Signature of Notary
6691

(SEAL)

SARAH S. NYSTROM NOTARY PUBLIC STATE OF FLORIDA MY COMM. EXPIRES MARCH 31, 2004 NO. CC919725

COPY

Inst:2002023814 Date:12/03/2002 Time:15:13
Doc Stamp-Deed : 184.80
_____DC,P.DeWitt Cason,Columbia County B:968 P:2305

State of Florida
County of Alachua

The foregoing instrument was acknowledged before me Nov. 26, 2002 by David G. Manship and Aline E. Manship who

( ) are personally known to me
(✓) who have produced a valid Florida driver's license as identification
( ) who produced _____ as identification

Notary Public at Large, State of Florida

(SEAL)
6804

WARRANTY DEED

(STATUTORY FORM - SECTION 689.02, F.S.)

This document prepared by and to be returned to:
Gary D. Grunder
Grunder & Petteway, P. A.
23349 NW CR 236, Suite 10
High Springs, Florida, 32643

Inst:2005021477 Date:09/02/2005 Time:10:14
Doc Stamp-Deed : 1974.00
DC,P.DeWitt Cason,Columbia County B:1057 P:343

Tax Parcel Number:
R10017-000

THIS INDENTURE made August 30, 2005,

BETWEEN David G. Manship and Aline E. Manship, f/k/.a Aline E. Hall, husband and wife, and Mary Maldaree Edwards, a single person, whose post office address is 285 SW Bussey Glen, Ft White, Florida, 32038, herein called Grantor, and

Geoffery Gavere and Linda Gavere, Trustees of the Master Land Trust Agreement dated June 5, 1992, and known as Trust Number 100, whose post office address is 10 NW 7th Street, High Springs, Florida, 32643, herein called Grantee,

Witnesseth that said grantor, for and in consideration of the sum of TEN AND NO/100 ($10.00) Dollars, and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in the county(ies) of Columbia state of Florida, to wit:

Begin at the Southeast corner of the Northwest 1/4 of the Northwest 1/4, Section 18, Township 7 South, Range 17 East, Columbia County, Florida, and run thence North 01 deg. 23 min. 04 sec. West, along the East line of said Northwest 1/4 of Northwest 1/4, 660.78 feet; thence South 87 deg. 59 min. 24 sec. West along the North line of Southeast 1/4 of Northwest 1/4 of Northwest 1/4 of said Section, 400.02 feet; thence South 01 deg. 23 min. 04 sec. East, 661.04 feet to the South line of said Northwest 1/4 of Northwest 1/4 thence North 87 deg. 57 min. 11 sec. East along said South line, 400.03 feet to the Point of Beginning. Said lands being the same as the East 400 feet of the Southeast 1/4 of Northwest 1/4 of Northwest 1/4, Section 18, Township 7 South, Range 17 East, Columbia County, Florida.

Together with an easement for ingress and egress described as follows: The East 20 feet of the Northeast 1/4 of Northwest 1/4 of Northwest 1/4 lying South of State Road No. 778, Section 18, Township 7 South, Range 17 East, Columbia County, Florida.

ALSO

Part of the NW 1/4 of the NW 1/4, Section 18, Township 7 South, Range 17 East, Columbia County, Florida, being more particularly described as follows:

Commence at the Southeast corner of said NW 1/4 of NW 1/4 and run thence South 87 deg. 54 min. 11 sec. West, along the South line of said NW 1/4 of NW 1/4, 400.00 feet to the Point of Beginning; thence continue South 87 deg. 54 min. 11 sec. West, along said South line, 184.00 feet; thence North 01 deg. 24 min. 45 sec. West, 661.17 feet; thence North 87 deg. 57 min. 21 sec. East, 184.00 feet to the West line of the lands described in Official Records Book 556 at Page 563 of the Public Records of Columbia County, Florida; thence South 01 deg. 24 min. 45 sec. East, along said West line, 661.00 feet to the Point of Beginning.

AND SAID GRANTOR does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

Grantor and grantee are used for singular or plural, as context requires.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Inst:2005021477 Date:09/02/2005 Time:10:14
Doc Stamp-Deed : 1974.00
DC,P.DeWitt Cason,Columbia County B:1057 P:344

Signed, sealed and delivered in our presence:

Witness: Print Name Gary D. Grunder

David G. Manship
David G. Manship

Witness: Print Name Brenda Forrester

Witness: Print Name Gary D. Grunder

Aline E. Manship
Aline E. Manship

Witness: Print Name Brenda Forrester

Witness: Print Name Gary D. Grunder

Mary Maldaree Edwards
Mary Maldaree Edwards

Witness: Print Name Brenda Forrester

State of Florida
County of Alachua

The foregoing instrument was acknowledged before me this 30 day of August, 2005 by David G. Manship and Aline E. Manship who

(✓) are personally known to me
( ) who have produced a valid Florida driver's license as identification
( ) who produced _____ as identification

Notary Public at Large, State of Florida

(SEAL)

GARY D. GRUNDER NOTARY PUBLIC STATE OF FLORIDA My Comm. Expires July 6, 2007 No. Dd226792

State of Florida
County of Alachua

The foregoing instrument was acknowledged before me this 30 day of August, 2005 by Mary Maldaree Edwards who

( ) is personally known to me
(✓) who has produced a valid Florida driver's license as identification
( ) who produced _____ as identification

Notary Public at Large, State of Florida

(SEAL)
7901

GARY D. GRUNDER NOTARY PUBLIC STATE OF FLORIDA My Comm. Expires July 6, 2007 No. Dd226792

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 R-10017-000 PERMIT NUMBER _____

1. Description of property: (legal description of the property and street address or 911 address)
SEE ATTACHED
SEC 18 T7S. R 17E
227 SW SEDONA CT FT. White FL

2. General description of improvement: CONSTRUCT MASTER BATH, Closet, Garage

3. Owner Name & Address Geoffery & Linda Gauvreau 227 S.W. Sedona CT. Ft. white Fl. 32038 Interest in Property owners

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

5. Contractor Name CLAYTON Contracting Phone Number 386-454-0895
Address 75 NW Lake High Springs FL 32643

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

7. Lender Name N/A Phone Number N/A
Address N/A

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 N/A Phone Number N/A
Address N/A

9. In addition to himself/herself the owner designates N/A of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) – (a) 7. Phone Number of the designee N/A

10. Expiration date of the Notice of Commencement (the (Unless a different date is specified) _____

Inst:2006028083 Date:11/29/2006 Time:12:17
D.C,P.DeWitt Cason,Columbia County B:1103 P:697

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.

Geoffery Gauvreau
Signature of Owner

State of Florida County of Alachua
Sworn to (or affirmed) and subscribed before day of November 28, 2006
*G160252462500
NOTARY STAMP/SEAL

ROBIN D. FALKENBURG
Notary Public - State of Florida
My Commission Expires Feb 26, 2009
Commission # DD 383653

Robin D. Falkenburg
Signature of Notary

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**CLAYTON GAVERE**	Builder:	**CLAYTON CONTRACTING**
Address:		Permitting Office:	**COLUMBIA COUNTY**
City, State:	,	Permit Number:	15382
Owner:	**GAVERE**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 36.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	1470 ft²	c. N/A	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description Area	13. Heating systems	
(or Single or Double DEFAULT)	7a. (Dble Default) 211.5 ft²	a. PTHP	Cap: 36.0 kBtu/hr
b. SHGC:			COP: 3.50
(or Clear or Tint DEFAULT)	7b. (Clear) 267.5 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 231.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 50.0 gallons
a. Concrete, Int Insul, Exterior	R=5.0, 1538.5 ft²		EF: 0.93
b. Concrete, Int Insul, Adjacent	R=5.0, 124.0 ft²	b. N/A	
c. N/A			
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar	
10. Ceiling types		DHP-Dedicated heat pump)	
a. Under Attic	R=30.0, 1470.0 ft²	15. HVAC credits	
b. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
c. N/A		HF-Whole house fan,	
11. Ducts		PT-Programmable Thermostat,	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 48.0 ft	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	

Glass/Floor Area: 0.18 Total as-built points: 21325 Total base points: 24371 **PASS**

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

PREPARED BY: Larry Resmondo a/c

DATE: Nov 28, 2006

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.

BUILDING OFFICIAL: _____

DATE: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

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	1470.0	20.04	5302.6	Double, Clear	W	1.5	6.0	60.0	38.52	0.91	2111.2	
				Single, Clear	S	18.0	8.0	56.0	40.81	0.44	1016.2	
				Double, Clear	S	1.5	6.0	45.0	35.87	0.86	1381.9	
				Double, Clear	N	1.5	6.0	30.0	19.20	0.94	540.7	
				Double, Clear	E	1.5	6.0	55.0	42.06	0.91	2111.6	
				Double, Clear	N	12.0	2.0	6.0	19.20	0.59	68.3	
				Double, Clear	W	1.5	2.0	5.5	38.52	0.60	127.6	
				Double, Clear	E	1.5	3.0	10.0	42.06	0.73	305.2	
				As-Built Total:				**267.5**			**7662.6**	
WALL TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points	
Adjacent	124.0	0.70	86.8	Concrete, Int Insul, Exterior			5.0	1538.5	1.00		1538.5	
Exterior	1538.5	1.70	2615.5	Concrete, Int Insul, Adjacent			5.0	124.0	0.70		86.8	
Base Total:	**1662.5**		**2702.3**	**As-Built Total:**				**1662.5**			**1625.3**	
DOOR TYPES	Area X	BSPM	= Points	Type				Area X	SPM	=	Points	
Adjacent	21.0	2.40	50.4	Exterior Wood				42.0	6.10		256.2	
Exterior	42.0	6.10	256.2	Adjacent Wood				21.0	2.40		50.4	
Base Total:	**63.0**		**306.6**	**As-Built Total:**				**63.0**			**306.6**	
CEILING TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM X SCM	=	Points	
Under Attic	1470.0	1.73	2543.1	Under Attic			30.0	1470.0	1.73 X 1.00		2543.1	
Base Total:	**1470.0**		**2543.1**	**As-Built Total:**				**1470.0**			**2543.1**	
FLOOR TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points	
Slab	231.0(p)	-37.0	-8547.0	Slab-On-Grade Edge Insulation			0.0	231.0(p	-41.20		-9517.2	
Raised	0.0	0.00	0.0									
Base Total:			**-8547.0**	**As-Built Total:**				**231.0**			**-9517.2**	
INFILTRATION	Area X	BSPM	= Points					Area X	SPM	=	Points	
	1470.0	10.21	15008.7					1470.0	10.21		15008.7	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 17316.2			**Summer As-Built Points:**					**17629.1**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 36000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
17316.2	**0.4266**	**7387.1**	17629 **17629.1**	1.00 **1.00**	(1.09 x 1.147 x 0.91) **1.138**	0.263 **0.263**	1.000 **1.000**	5265.7 **5265.7**

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	1470.0	12.74	3371.0	Double, Clear	W	1.5	6.0	60.0	20.73	1.02	1272.9	
				Single, Clear	S	18.0	8.0	56.0	20.24	3.56	4032.4	
				Double, Clear	S	1.5	6.0	45.0	13.30	1.12	668.7	
				Double, Clear	N	1.5	6.0	30.0	24.58	1.00	739.1	
				Double, Clear	E	1.5	6.0	55.0	18.79	1.04	1070.3	
				Double, Clear	N	12.0	2.0	6.0	24.58	1.03	151.5	
				Double, Clear	W	1.5	2.0	5.5	20.73	1.13	129.4	
				Double, Clear	E	1.5	3.0	10.0	18.79	1.12	210.5	
				As-Built Total:				**267.5**			**8274.7**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	124.0	3.60	446.4	Concrete, Int Insul, Exterior	5.0	1538.5	5.70	8769.4
Exterior	1538.5	3.70	5692.5	Concrete, Int Insul, Adjacent	5.0	124.0	4.20	520.8
Base Total:	**1662.5**		**6138.9**	**As-Built Total:**		**1662.5**		**9290.2**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	21.0	11.50	241.5	Exterior Wood	42.0	12.30	516.6
Exterior	42.0	12.30	516.6	Adjacent Wood	21.0	11.50	241.5
Base Total:	**63.0**		**758.1**	**As-Built Total:**	**63.0**		**758.1**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	1470.0	2.05	3013.5	Under Attic	30.0	1470.0	2.05 X 1.00	3013.5
Base Total:	**1470.0**		**3013.5**	**As-Built Total:**		**1470.0**		**3013.5**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	231.0(p)	8.9	2055.9	Slab-On-Grade Edge Insulation	0.0	231.0(p	18.80	4342.8
Raised	0.0	0.00	0.0					
Base Total:			**2055.9**	**As-Built Total:**		**231.0**		**4342.8**

INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points
	1470.0	-0.59	-867.3		1470.0	-0.59	-867.3

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**14470.1**	**Winter As-Built Points:**						**24812.1**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
			(sys 1: PTHP 36000 btuh ,EFF(3.5) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
			24812.1	1.000	(1.069 x 1.169 x 0.93)	0.286	1.000	8238.9	
14470.1	**0.6274**	**9078.5**	**24812.1**	**1.00**	**1.162**	**0.286**	**1.000**	**8238.9**	

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
3	2635.00	7905.0		50.0	0.93	3	1.00	2606.67	1.00	7820.0
				As-Built Total:						**7820.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
7387	**9079**	**7905**	**24371**	**5266**	**8239**	**7820**	**21325**

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 612.1.ABC.3.2. Switch or clearly marked cir 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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.3

The higher the score, the more efficient the home.

GAVERE, , , ,

1.	New construction or existing	New		12. Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 36.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 13.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	1470 ft²		c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
a.	U-factor:	Description Area		13. Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default) 211.5 ft²		a. PTHP	Cap: 36.0 kBtu/hr
b.	SHGC:				COP: 3.50
	(or Clear or Tint DEFAULT)	7b. (Clear) 267.5 ft²		b. N/A	
8.	Floor types				
a.	Slab-On-Grade Edge Insulation	R=0.0, 231.0(p) ft		c. N/A	
b.	N/A				
c.	N/A			14. Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 50.0 gallons
a.	Concrete, Int Insul, Exterior	R=5.0, 1538.5 ft²			EF: 0.93
b.	Concrete, Int Insul, Adjacent	R=5.0, 124.0 ft²		b. N/A	
c.	N/A				
d.	N/A			c. Conservation credits	
e.	N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 1470.0 ft²		15. HVAC credits	
b.	N/A			(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 48.0 ft		MZ-C-Multizone cooling,	
b.	N/A			MZ-H-Multizone heating)	

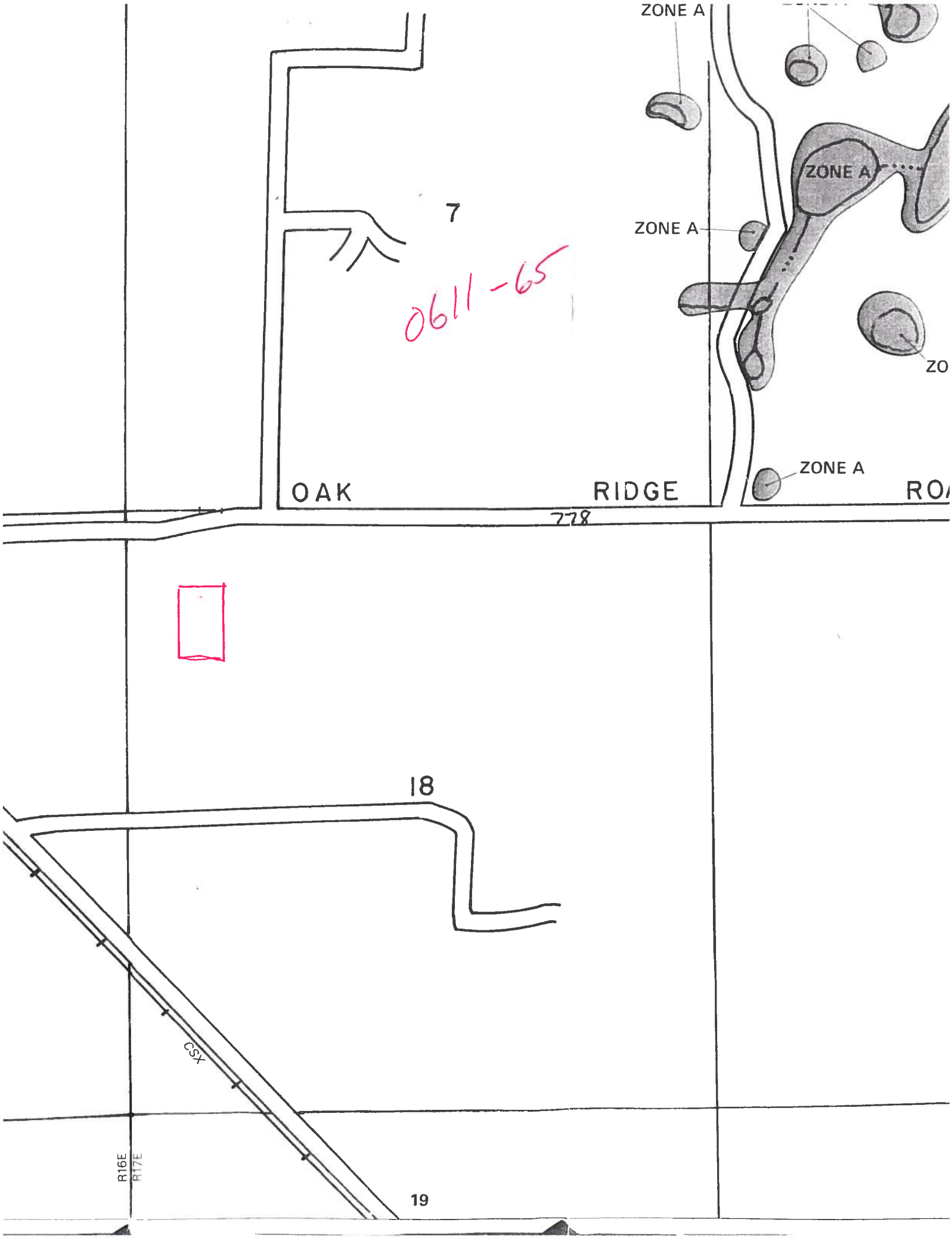
I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant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

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.


ZONE A
ZONE A
ZONE A
ZONE A
ZO
7
0611-65
OAK
RIDGE
RO
728
18
CSX
R16E
R17E
19

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Masonite Entern.	Ext. metal door	FL4904.1
B. SLIDING			
C. SECTIONAL/ROLL UP	Clopay	16X7 steel sectional	FL3026
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Better Bilt	Single hung insulated	FL 7055
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	Cameron Ashley	Vented Alum. Soffit	FL406
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER	cmu		
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	GAF	3 TAB Asphalt Fiberglass	FL.183.8
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES	Mitec	Metal Connector Plate	FL219.R1
D. INSULATION FORMS			
E. LINTELS	Cement Precast	PRECAST Lintels Concrete	FL 4567
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

APPLICANT SIGNATURE

11/27/06
DATE

R-1905 01-04

GTC DESIGN GROUP

STRUCTURAL AND WIND LOAD CALCULATIONS

For

Gavere Residence

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

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

Analysis by: Gary Gill **Company Name:** GTC Design Group
Description: Gavere Addition - Garage

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Struc Category (I, II, III, or IV)	II	
Exposure (B, C, or D)	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof	4.0	:12
Slope of Roof (Theta)	18.4	Deg
Type of Roof	Hipped	
Kd (Directonality Factor)	0.85	
Eave Height (Eht)	9.00	ft
Ridge Height (RHt)	12.00	ft
Mean Roof Height (Ht)	40.00	ft
Width Perp. To Wind Dir (B)	37.00	ft
Width Paral. To Wind Dir (L)	21.00	ft

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table 6-2 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Bm =	0.450	
Cc =	0.300	
l =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	1.90
Flexible Structure	No

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*((B+Ht)/Lzm)^0.63))^0.5	0.8902	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8602	
Gust Factor Summary			
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85	

Fig 6-5 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
Partially Enclosed Buildings	**0.55**	**-0.55**

Aog =	Tot Area of Openings in Bldg Envelope	-	ft^2
Vi =	Unpartitioned internal volue	-	ft^3
Ri =	0.5*((1+1/(1+(Vi/(22800*Aog))^0.5))	0.0	

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

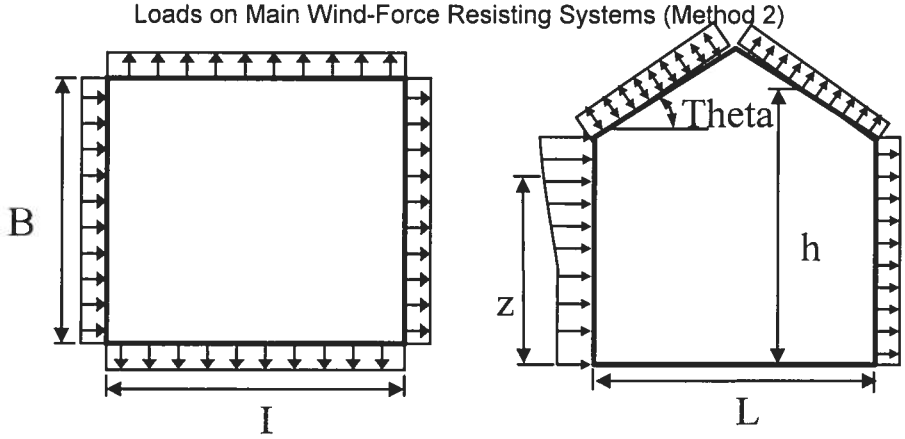
6.5.12.2.1 Design Wind Pressure - Buildings of All Heights

Elev	Kz	Kzt	qz	Pressure (lb/ft^2)						
				Windward Wall*		Leeward Wall		Total	Shear	Moment
ft			lb/ft^2	+GCpi	-GCpi	+GCpi	-GCpi	+/-Gcpi	(Kip)	(Kip-ft)
40	0.76	1.00	20.03	2.60	24.63	-19.53	2.50	22.13	4.09	10.23
35	0.73	1.00	19.28	2.09	24.12	-19.53	2.50	21.62	8.09	30.47
30	0.70	1.00	18.45	1.53	23.56	-19.53	2.50	21.05	11.99	60.44
25	0.67	1.00	17.51	0.89	22.92	-19.53	2.50	20.42	15.77	99.86
20	0.62	1.00	16.43	0.16	22.19	-19.53	2.50	19.68	19.41	148.37
15	0.57	1.00	15.13	-0.72	21.30	-19.53	2.50	18.80	29.84	566.26

Note: 1) Positive forces act toward the face and Negative forces act away from the face.

Figure 6-6 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems (Method 2)



Variable	Formula	Value	Units
Kh	2.01*(Ht/zg)^(2/Alpha)	0.76	
Kht	Topographic factor (Fig 6-4)	1.00	
Qh	.00256*(V)^2*I*Kh*Kht*Kd	20.03	psf
Khcc	Comp & Clad: Table 6-3 Case 1	0.76	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	20.03	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 37 ft Face *Additional Runs may be req'd for other wind directions*	Cp	Pressure (psf) +GCpi	 -GCpi
Leeward Walls (Wind Dir Normal to 37 ft wall)	-0.50	-19.53	2.50
Leeward Walls (Wind Dir Normal to 21 ft wall)	-0.35	-16.93	5.10
Side Walls	-0.70	-22.93	-0.90
Roof - Wind Normal to Ridge (Theta>=10) - for Wind Normal to 37 ft face			
Windward - Min Cp	-0.80	-24.56	-2.54

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

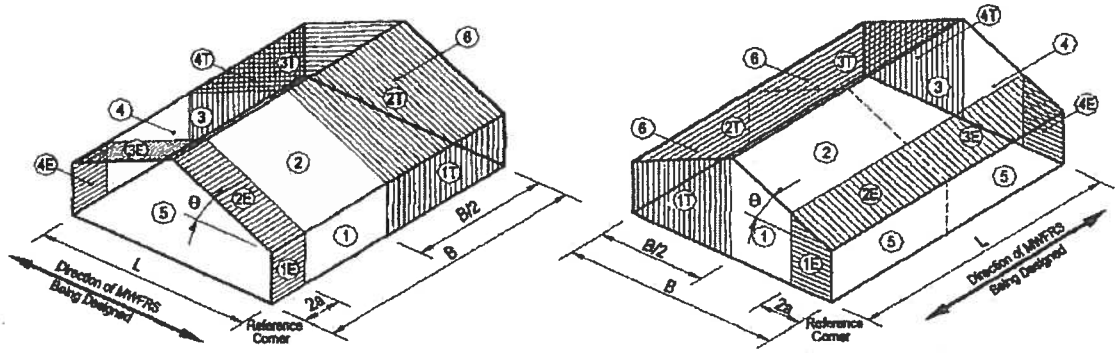
Windward - Max Cp	-0.18	-14.08	7.95
Leeward Normal to Ridge	-0.60	-21.23	0.80
Overhang Top (Windward)	-0.80	-13.55	-13.55
Overhang Top (Leeward)	-0.60	-10.21	-10.21
Overhang Bottom (Applicable on Windward only)	0.80	10.29	10.29
Roof - Wind Parallel to Ridge (All Theta) - for Wind Normal to 21 ft face			
Dist from Windward Edge: 0 ft to 80 ft - Max Cp	-0.18	-14.08	7.95
Dist from Windward Edge: 0 ft to 20 ft - Min Cp	-1.30	-33.14	-11.11
Dist from Windward Edge: 20 ft to 21 ft - Min Cp	-0.70	-22.93	-0.90
Dist from Windward Edge: 40 ft to 37 ft - Min Cp	-0.70	-22.93	-0.90

* Horizontal distance from windward edge

Figure 6-10 - External Pressure Coefficients, GCpf

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

Kh =	2.01*(Ht/zg)^(2/Alpha)	=	0.76
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	20.03
Theta =	Angle of Roof	=	18.4 Deg



Torsional Load Cases

Wind Pressures on Main Wind Force Resisting System						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.52	0.55	-0.55	20.03	-0.68	21.35
2	-0.69	0.55	-0.55	20.03	-24.83	-2.80
3	-0.47	0.55	-0.55	20.03	-20.39	1.64
4	-0.42	0.55	-0.55	20.03	-19.33	2.70
5	-0.45	0.55	-0.55	20.03	-20.03	2.00
6	-0.45	0.55	-0.55	20.03	-20.03	2.00
1E	0.78	0.55	-0.55	20.03	4.60	26.63
2E	-1.07	0.55	-0.55	20.03	-32.44	-10.41
3E	-0.67	0.55	-0.55	20.03	-24.49	-2.46

WIND02 v2-21

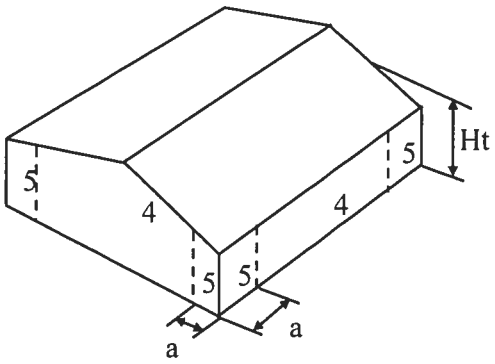
Detailed Wind Load Design (Method 2) per ASCE 7-02

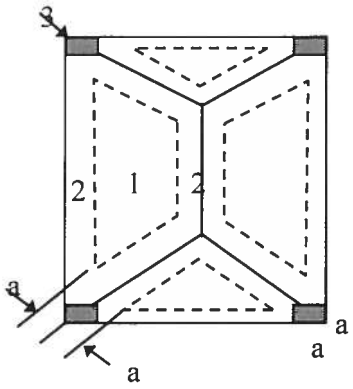
4E	-0.62	0.55	-0.55	20.03	-23.38	-1.35

* p = qh * (GCpf - GCpi)

Figure 6-11 - External Pressure Coefficients, GCp

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





Hipped Roof
7 < Theta <= 27

a = 2.1 ==> 3.00 ft

Double Click on any data entry line to receive a help Screen

Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2	
					Max	Min	Max	Min
Wall	10	1	10.00	4	1.00	-1.10	31.04	-33.04
Wall Exterior	10	1	10.00	5	1.00	-1.40	31.04	-39.05
Roof	10	1	10.00	1	0.50	-0.90	21.03	-29.04
Roof Exterior	10	1	10.00	2	0.50	-1.70	21.03	-45.06
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					

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

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

Analysis by: Gary Gill **Company Name:** GTC Design Group
Description: Gavere Addition - Bath

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Struc Category (I, II, III, or IV)	II	
Exposure (B, C, or D)	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof	4.0	:12
Slope of Roof (Theta)	18.4	Deg
Type of Roof	Hipped	
Kd (Directonality Factor)	0.85	
Eave Height (Eht)	9.00	ft
Ridge Height (RHt)	12.00	ft
Mean Roof Height (Ht)	40.00	ft
Width Perp. To Wind Dir (B)	36.00	ft
Width Paral. To Wind Dir (L)	20.00	ft

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table 6-2 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Bm =	0.450	
Cc =	0.300	
l =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	2.00
Flexible Structure	No

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*((B+Ht)/Lzm)^0.63))^0.5	0.8909	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8606	
Gust Factor Summary			
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85	

Fig 6-5 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**

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

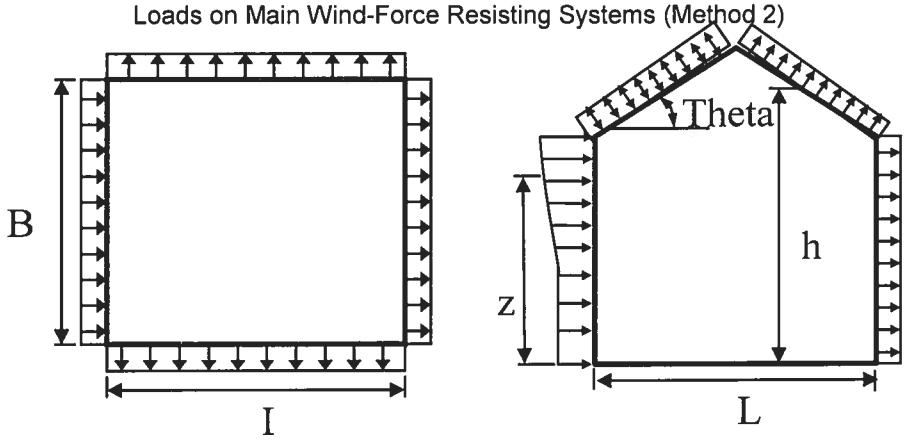
6.5.12.2.1 Design Wind Pressure - Buildings of All Heights

Elev	Kz	Kzt	qz	Pressure (lb/ft^2)						
				Windward Wall*		Leeward Wall		Total	Shear	Moment
ft			lb/ft^2	+GCpi	-GCpi	+GCpi	-GCpi	+/-Gcpi	(Kip)	(Kip-ft)
40	0.76	1.00	20.03	10.01	17.22	-12.12	-4.91	22.13	3.98	9.96
35	0.73	1.00	19.28	9.50	16.71	-12.12	-4.91	21.62	7.87	29.65
30	0.70	1.00	18.45	8.94	16.15	-12.12	-4.91	21.05	11.66	58.81
25	0.67	1.00	17.51	8.30	15.51	-12.12	-4.91	20.42	15.34	97.16
20	0.62	1.00	16.43	7.57	14.78	-12.12	-4.91	19.68	18.88	144.36
15	0.57	1.00	15.13	6.69	13.89	-12.12	-4.91	18.80	29.04	550.96

Note: 1) Positive forces act toward the face and Negative forces act away from the face.

Figure 6-6 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems (Method 2)



Variable	Formula	Value	Units
Kh	2.01*(Ht/zg)^(2/Alpha)	0.76	
Kht	Topographic factor (Fig 6-4)	1.00	
Qh	.00256*(V)^2*I*Kh*Kht*Kd	20.03	psf
Khcc	Comp & Clad: Table 6-3 Case 1	0.76	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	20.03	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 36 ft Face *Additional Runs may be req'd for other wind directions*	Cp	Pressure (psf) +GCpi	 -GCpi
Leeward Walls (Wind Dir Normal to 36 ft wall)	-0.50	-12.12	-4.91
Leeward Walls (Wind Dir Normal to 20 ft wall)	-0.34	-9.39	-2.18
Side Walls	-0.70	-15.52	-8.31
Roof - Wind Normal to Ridge (Theta>=10) - for Wind Normal to 36 ft face			
Windward - Min Cp	-0.80	-17.15	-9.95

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

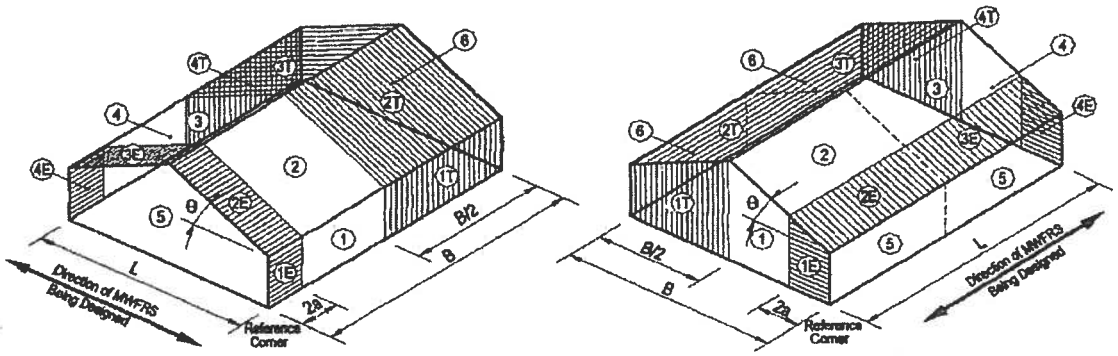
Windward - Max Cp	-0.18	-6.67	0.54
Leeward Normal to Ridge	-0.60	-13.82	-6.61
Overhang Top (Windward)	-0.80	-13.55	-13.55
Overhang Top (Leeward)	-0.60	-10.21	-10.21
Overhang Bottom (Applicable on Windward only)	0.80	10.29	10.29
Roof - Wind Parallel to Ridge (All Theta) - for Wind Normal to 20 ft face			
Dist from Windward Edge: 0 ft to 80 ft - Max Cp	-0.18	-6.67	0.54
Dist from Windward Edge: 0 ft to 20 ft - Min Cp	-1.30	-25.73	-18.52
Dist from Windward Edge: 20 ft to 20 ft - Min Cp	-0.70	-15.52	-8.31
Dist from Windward Edge: 40 ft to 36 ft - Min Cp	-0.70	-15.52	-8.31

* Horizontal distance from windward edge

Figure 6-10 - External Pressure Coefficients, GCpf

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

Kh =	2.01*(Ht/zg)^(2/Alpha)	=	0.76
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	20.03
Theta =	Angle of Roof	=	18.4 Deg



Torsional Load Cases

Wind Pressures on Main Wind Force Resisting System						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.52	0.18	-0.18	20.03	6.73	13.94
2	-0.69	0.18	-0.18	20.03	-17.42	-10.21
3	-0.47	0.18	-0.18	20.03	-12.98	-5.77
4	-0.42	0.18	-0.18	20.03	-11.92	-4.71
5	-0.45	0.18	-0.18	20.03	-12.62	-5.41
6	-0.45	0.18	-0.18	20.03	-12.62	-5.41
1E	0.78	0.18	-0.18	20.03	12.01	19.22
2E	-1.07	0.18	-0.18	20.03	-25.03	-17.82
3E	-0.67	0.18	-0.18	20.03	-17.08	-9.87

WIND02 v2-21

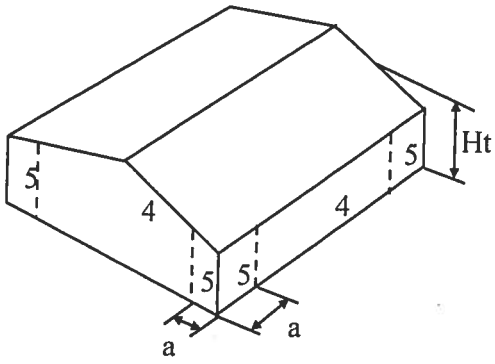
Detailed Wind Load Design (Method 2) per ASCE 7-02

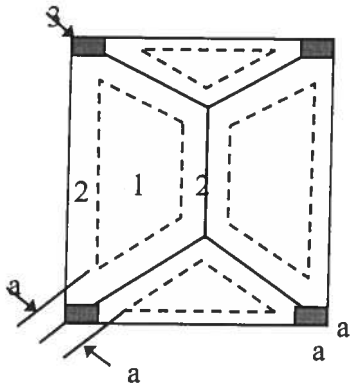
4E	-0.62	0.18	-0.18	20.03	-15.97	-8.76

* p = qh * (GCpf - GCpi)

Figure 6-11 - External Pressure Coefficients, GCp

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





Hipped Roof
7 < Theta <= 27

a = 2 ==> 3.00 ft

Double Click on any data entry line to receive a help Screen

Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2	
					Max	Min	Max	Min
Wall	10	1	10.00	4	1.00	-1.10	23.63	-25.63
Wall Exterior	10	1	10.00	5	1.00	-1.40	23.63	-31.64
Roof	10	1	10.00	1	0.50	-0.90	13.62	-21.63
Roof Exterior	10	1	10.00	2	0.50	-1.70	13.62	-37.65
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					

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

DUCT SYSTEM SUMMARY
Entire House

LARRY RESMONDO A/C

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Job: GAVERE ADDITION
11/28/07

Project Information

For: CLAYTON CONTRACTING
HIGH SPRINGS, FL

	HEATING	COOLING
External Static Pressure:	***0.10*** in H2O	***0.10*** in H2O
Pressure Losses:	0.25 in H2O	0.25 in H2O
Available Static Pressure:	-0.2 in H2O	-0.2 in H2O
Friction Rate:	***0.100*** in/100ft	***0.100*** in/100ft
Actual AVF:	1200 cfm	1200 cfm
Total Effective Length (TEL):	230 ft	

Supply Branch Detail Table

Name	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trnk
EXISTING HOUSE	5757	3745	120	125	0.100	467	7	0x 0	VIFx	st1A
EXISTING HOUSE-A	5752	3742	119	125	0.100	467	7	0x 0	VIFx	st1
EXISTING HOUSE-B	5752	3742	119	125	0.100	467	7	0x 0	VIFx	st1
EXISTING HOUSE-C	5752	3742	119	125	0.100	467	7	0x 0	VIFx	st1
EXISTING HOUSE-D	5752	3742	119	125	0.100	467	7	0x 0	VIFx	st1
EXISTING HOUSE-E	5752	3742	119	125	0.100	467	7	0x 0	VIFx	st1
EXISTING HOUSE-F	5752	3742	119	125	0.100	467	7	0x 0	VIFx	st1B
ADDITIONS	5833	3268	121	109	0.100	453	7	0x 0	VIFx	st1
ADDITIONS-A	5832	3267	121	109	0.100	453	7	0x 0	VIFx	st1
ADDITIONS-B	5832	3267	121	109	0.100	453	7	0x 0	VIFx	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Vel (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1200	1200	679	18	0 x 0	RectFbg	
st1A	Peak AVF	239	250	458	10	0 x 0	RectFbg	st1
st1B	Peak AVF	119	125	229	10	0 x 0	RectFbg	st1A

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Diffus Sz (in)	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trunk
rb1	0 x 0	57766	35997	1200	1200	0.100	550	20	0x 0	VlFx	

RIGHT-J BUILDING ANALYSIS REPORT
Entire House

LARRY RESMONDO A/C

Job: GAVERE ADDITION
11/28/07

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: CLAYTON CONTRACTING
HIGH SPRINGS, FL

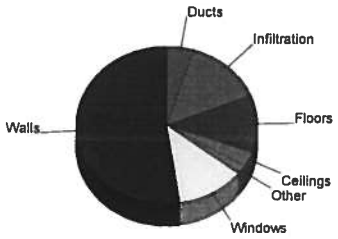
Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	70	75
Design TD (°F)	37	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration	
Method	Simplified
Construction quality	Average
Fireplaces	0

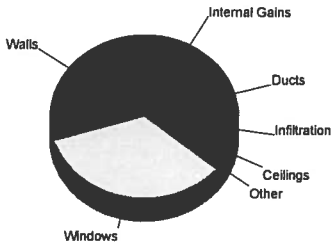
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	18.2	30296	52.5
Windows	25.9	6931	12.0
Doors	17.0	1072	1.9
Ceilings	1.2	1795	3.1
Floors	30.0	6923	12.0
Infiltration	24.2	7993	13.8
Ducts		2751	4.8
Total		**57761**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	6.5	10783	30.0
Windows	45.6	12205	33.9
Doors	9.5	597	1.7
Ceilings	1.1	1601	4.4
Floors	0.0	0	0.0
Infiltration	5.6	1836	5.1
Ducts		3272	9.1
Internal gains		5700	15.8
Total		**35994**	**100.0**



Cooling at 90 % SHR = 3.3 ton
Cooling at 70 % SHR = 4.2 ton
Cooling air flow = 369 cfm/ton
Cooling at 400 cfm/ton = 3.0 ton
Overall U-Value = 0.352 Btuh/ft²-°F

Data entries checked.

RIGHT-J LOAD AND EQUIPMENT SUMMARY
Entire House
LARRY RESMONDO A/C

Job: GAVERE ADDITION
11/28/07

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: CLAYTON CONTRACTING
HIGH SPRINGS, FL

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Building heat loss	57761	Btuh
Ventilation air	0	cfm
Ventilation air loss	0	Btuh
Design heat load	57761	Btuh

Sensible Cooling Equipment Load Sizing

Structure	35994	Btuh
Ventilation	0	Btuh
Design temperature swing	3.0	°F
Use mfg. data	n	
Rate/swing multiplier	0.97	
Total sens. equip. load	34915	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1470	1470
Volume (ft³)	11760	11760
Air changes/hour	1.0	0.5
Equiv. AVF (cfm)	196	98

Latent Cooling Equipment Load Sizing

Internal gains	690	Btuh
Ventilation	0	Btuh
Infiltration	3442	Btuh
Total latent equip. load	4132	Btuh
Total equipment load	39047	Btuh

Heating Equipment Summary

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-036JA

Efficiency	8.0 HSPF	
Heating input	0	Btuh
Heating output	0	Btuh
Heating temp rise	0	°F
Actual heating fan	1200	cfm
Heating air flow factor	0.021	cfm/Btuh

Space thermostat

Cooling Equipment Summary

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-036JA
UBHJ-21+RCHJ-36A2

Efficiency	13.0 SEER	
Sensible cooling	24500	Btuh
Latent cooling	10500	Btuh
Total cooling	35000	Btuh
Actual cooling fan	1200	cfm
Cooling air flow factor	0.033	cfm/Btuh
Load sensible heat ratio	90	%

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

RIGHT-J SHORT FORM
Entire House
LARRY RESMONDO A/C

Job: GAVERE ADDITION
11/28/07

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: CLAYTON CONTRACTING
HIGH SPRINGS, FL

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	70	75
Design TD (°F)	37	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

HEATING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-036JA

Efficiency	8.0 HSPF	
Heating input	0	Btuh
Heating output	0	Btuh
Heating temperature rise	0	°F
Actual heating fan	1200	cfm
Heating air flow factor	0.021	cfm/Btuh

Space thermostat

COOLING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-036JA
UBHJ-21+RCHJ-36A2

Efficiency	13.0 SEER	
Sensible cooling	24500	Btuh
Latent cooling	10500	Btuh
Total cooling	35000	Btuh
Actual cooling fan	1200	cfm
Cooling air flow factor	0.033	cfm/Btuh
Load sensible heat ratio	90	%

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
EXISTING HOUSE	1110	40263	26192	836	873
ADDITIONS	360	17498	9803	364	327
Entire House d	1470	57761	35994	1200	1200
Ventilation air		0	0		
Equip. @ 0.97 RSM			34915		
Latent cooling			4132		
TOTALS	1470	57761	39047	1200	1200

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

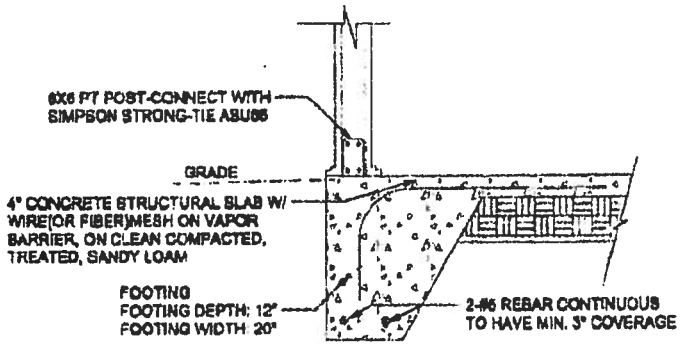
Sky Designs
Professional
Building Design
January S. Jernigan
904-228-1840
skydesigns@bellsouth.net

GTC Design Group, LLC
P O Box 167
Live Oak, FL 32064
386-362-3678
Gary Gill, PE

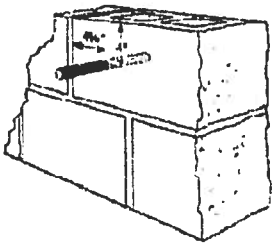
ADDENDUM

RE: CLAYTON CONTRACTING/GAVERE PROJECT

1. Square footage shown on plans is correct. Disregard any other penciled-in area tabulations.
2. Fire Rated Door between garage and laundry required per code.
3. Optional monolithic slab detail below:

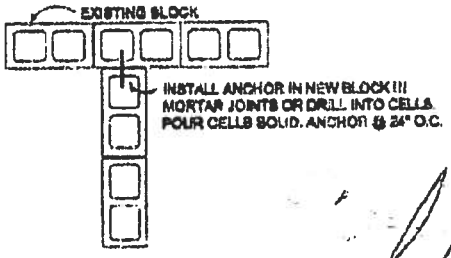


4. Connection detail into existing block below:



Epoxy 3/8" threaded rod in existing solid cell. Embed 3" min @ 24" O.C.

If existing cell is hollow install Simpson Opti-Mesh Screen (or equal). Install threaded rod per manuf. specs.



12/28/06