DATE 06/19/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027895

APPLICANT CRAIG TERRY PHONE 352 219-5277

ADDRESS 6445 E. MALVERNE ST INVERNESS FL 34452

OWNER NICHOLAS PEDEN PHONE 321 436-308

ADDRESS 296 SW STERING TERR HIGH SPRINGS FL 32643

CONTRACTOR DWC CONTRACTING PHONE 352 219-5277

LOCATION OF PROPERTY 41S, TR ON CR 778, TL ON STERLING TERR., 2ND LOT ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 203550.00

HEATED FLOOR AREA 2339.00 TOTAL AREA 4071.00 HEIGHT ____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/11 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT ____

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 16-7S-17-10006-112 SUBDIVISION SUMMES ACRES

LOT 12 BLOCK ____ PHASE ____ UNIT ____ TOTAL ACRES 10.45

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
		CGC1517145		
PRIVATE	09-195	BK	RJ	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 5174

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 Insulation ____ 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 Pool ____ date/app. by

Permanent power ____ date/app. by C.O. Final ____ date/app. by Culvert ____ date/app. by

Pump pole ____ date/app. by Utility Pole ____ date/app. by M/H tie downs, blocking, electricity and plumbing ____ date/app. by

Reconnection ____ date/app. by RV ____ date/app. by Re-roof ____ date/app. by

BUILDING PERMIT FEE $ 1020.00 CERTIFICATION FEE $ 20.36 SURCHARGE FEE $ 20.36

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** 1135.72

INSPECTORS OFFICE ____ CLERKS OFFICE CN

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

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

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

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

Columbia County Building Permit Application

For Office Use Only Application # 0906-01 Date Received 6/1/09 By CT Permit # 27895

Zoning Official BLK Date 18.06.09 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1ft stem'd River N/A Plans Examiner [illegible] Date 6/11/09

Comments

☑ NOC ☑ EH ☑ Deed or PA ☑ Site Plan ☐ State Road Info ☐ Parent Parcel #

☐ Dev Permit # ☐ In Floodway ☑ Letter of Auth. from Contractor ☐ F W Comp. letter

IMPACT FEES: EMS Fire Corr Road/Code

School = TOTAL Suspended

Septic Permit No. 09-0195 Fax

Name Authorized Person Signing Permit Craig Terry Phone 352 219-5277

Address 6445 E. MALVERNE STR. INVERNESS, FLA 34452

Owners Name NICHOLAS PEDEN Phone 321-436-3058

911 Address 296 SW. ~~STERING~~ Sterling TERR. HIGH SPRINGS, FLA 32643

Contractors Name DWC CONTRACTING Jeffrey Bokor Phone 352-219-5277

Address 364 SW STERLING TERR. HIGH SPRINGS, FLA 32643

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address

Mortgage Lenders Name & Address BANK OF AMERICA

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

Property ID Number 16-7S-17-10006-112 Estimated Cost of Construction

Subdivision Name SUMMERS ACRES Lot 12 Block Unit Phase

Driving Directions SOUTH ON HWY 41/441 TO CR. 778. TR WEST ON CR. 778 APROX. 1 MILE TO STERLING TERRACE. TL SOUTH ON STERLING TERR. TO 2ND LOT ON left WEST SIDE OF ROAD.

Number of Existing Dwellings on Property Ø

Construction of SINGLE FAMILY HOME Private Total Acreage 10.45 Lot Size

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height

Actual Distance of Structure from Property Lines - Front ~~436~~ 461' Side 275' Side 300' Rear ~~209~~ 175'

Number of Stories 1 Heated Floor Area 2339' Total Floor Area 4071' Roof Pitch 6/11/3

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.

SPOKE to CRAIG 6/18/09

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

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

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

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

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

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

Nicholas Reden
Owners Signature

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

Jeffrey P. Baker
Contractor's Signature (Permitee)

Contractor's License Number CGC 1517145
Columbia County
Competency Card Number_____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 1st **day of** June **20** 08.

Personally known____ **or Produced Identification** DL

Gale Tedder
State of Florida Notary Signature (For the Contractor)

GALE TEDDER
MY COMMISSION # DD 805686
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

SEAL:

GALE TEDDER
MY COMMISSION # DD 805686
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

PREPARED BY:
Brenda Mayweather
Robertson & Anschutz
10333 Richmond Avenue, Suite 550
Houston, TX 77042

AFTER RECORDED RETURN TO:

Bank of America, N.A.
9000 Southside Blvd., Ste. 700
Jacksonville, FL 32256

Inst 200912009128 Date 6/3/2009 Time 12:06 PM
DC,P DeWitt Cason Columbia County Page 1 of 4 B 1174 P 1026

NOTICE OF COMMENCEMENT

Permit No. _____

Tax Folio No. 17516-1006-112

State of Florida
County of Columbia

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:

1. Description of Property: Parcel No. R1006-112
296 Southwest Sterling Terrace
High Springs, FL 32643

See Exhibit "A" attached hereto and made a part hereof for all purposes
(Legal description of the property and street address if available)

2. General Description of Improvement:

construction of custom house

3. Owner Information:
Name: **Nicholas D. Peden and Melody K. Peden, husband and wife**
Address: **6445 East Malverne Street**
Inverness, FL 34452
Interest in Property: _____

Fee Simple Titleholder (if other than owner):
Name: **Nicholas D. Peden and Melody K. Peden, husband and wife**
Address: **6445 East Malverne Street**
Inverness, FL 34452

4. Contractor:
Name: **Dwc Contracting, Inc.**
Address: **364 SW Sterling Terrace**
High Springs FL 32643
Phone:

5. Surety:
Name: N/A
Address: _____
Phone: _____ Amount of Bond: $ _____

EXHIBIT A

Parcel 12

A parcel of land in Section 16, Township 7 South, Range 17 East, Columbia County, Florida: Being more particularly described as follows:

Commence at a found 4" X 4" concrete monument 'SRD' at the NW corner of said Section 16, Township 7 South, Range 17, East and run thence S 00°15'48" East, along the west line of said Section 16; 80.15 feet to a found 4" X 4" concrete monument 'SRD' on the south right of way line of County Road No 778 (80 foot right of way); Thence N 89°55'25" East, along said South right of way line, 698.08 feet to a set ½" rebar and cap 'PLS 4789'; Thence S 00°15'48" East, 652.02 feet to a set ½" rebar and cap 'PLS 4789' and the Point of Beginning; Thence continue S 00°15'48" East, 652.01 feet to a set ½" rebar and cap 'PLS' 4789', thence S 89°55'25" West, 698.08 feet to a set ½" rebar and cap 'PLS 4789' on the West line of said Section 16, thence N 00°15'48" West, along said West line, 652.01 feet to a set ½" rebar and cap 'PLS 4789'; Thence N 89°55'25" East, 698.08 feet to the point of beginning.

SUBJECT TO & TOGETHER WITH: an easement for ingress, egress, drainage and public utilities being more particularly described as follows:

Commence at a found 4" X 4" concrete monument "SRD' at the NW corner of said Section 16, Township 7 south, Range 17 East and run thence S00°15'48" East, along the West line of said Section 16, 80.15 feet to a found 4" X 4" concrete monument "SRD" on the south right of way line of County Road No 778 (80 foot right of way): Thence N 89°55'25" East, along said South right of way line, 668.08 feet to the point of beginning; thence S 00°15'48" East 3910.47 feet to the South Line of the North ½ of the Southwest ¼ of said Section 16; thence north 89°38'29" East, along said South line, 60.00 feet; thence N 01°15'48" West, 3910.17 feet to the said South 60.00 feet; thence N 01°15'48" West , 3910.17 feet to the said south right of way line of County Road No 778; thence S 89°55'25", West, along said south right of way line, 60.00 feet to the point of beginning.

State of Florida
County of Alachua

The foregoing instrument was acknowledged before me this 20 day of May 2009 by Nicholas Pedone & Melody Peden, who is personally known to me or has produced FL DL as identification.

Lisa E. Davis
Commission # DD536598
Expires June 2, 2010
Bonded Thru Troy Fain Insurance Inc. 800-385-7019

Notary Public

Lisa E. Davis

Printed Name
My Commission Expires:

Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

1. Nicholas D. Peden / Melody K. Peden

Signature of Natural Person Signing Above

LETTER OF AUTHORIZATION

Date: 6/19/09

Columbia County Building Department
P.O. Drawer 1529
Lake City, FL 32056

I Jeff P Belcher, License No. 1517145 do hereby

Authorize Craig A. Terry to pull and sign permits on my behalf. & C.O.'s

Sincerely,

Jeff P. Belcher

Sworn to and subscribed before me this 19th day of June, 2009.

Notary Public: Gale Tedder

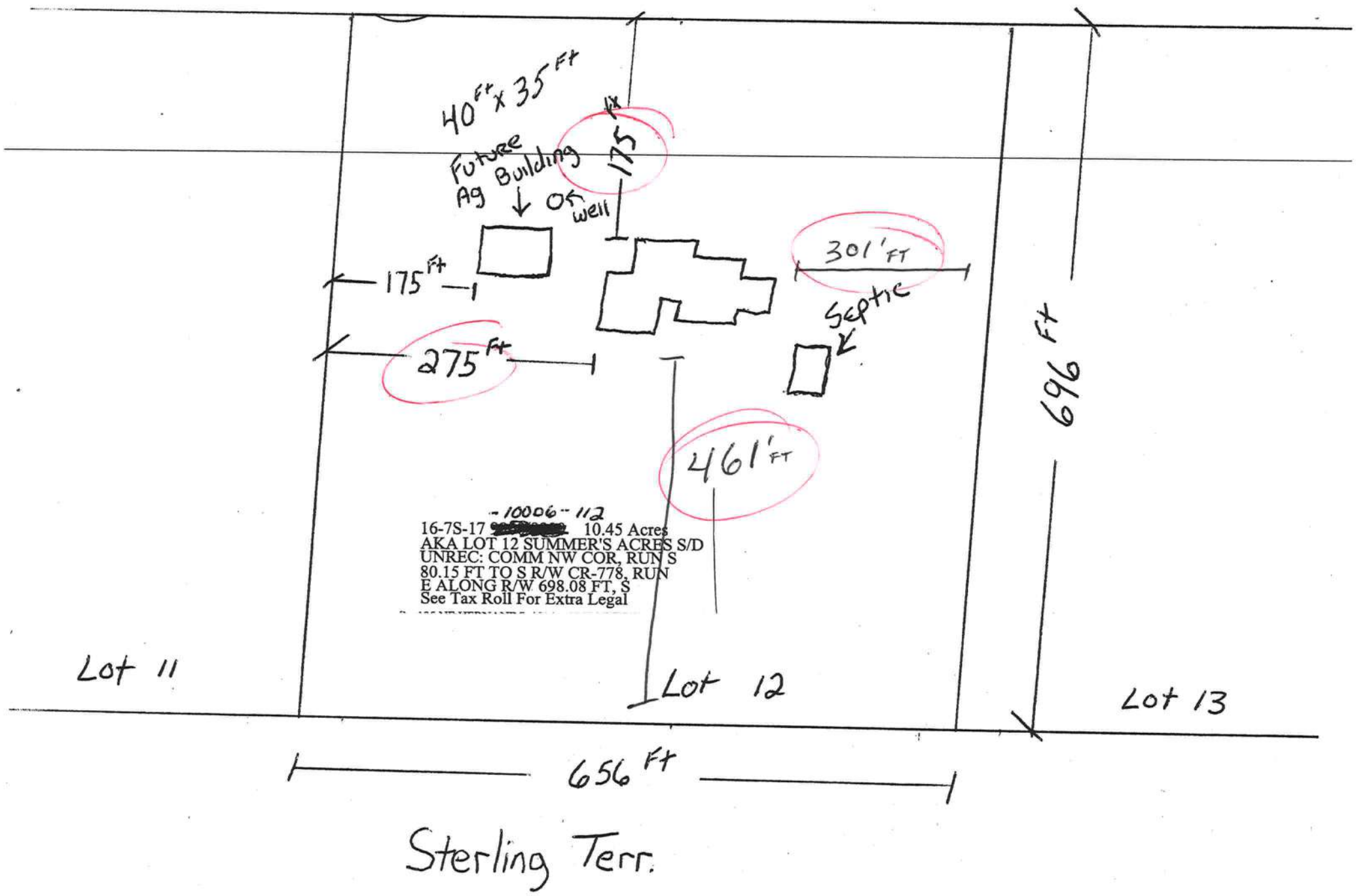
My commission expires:

Personally Known

Produced Valid Identification: DL

GALE TEDDER
MY COMMISSION # DD 805686
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

Revised: 1/2009


40 Ft x 35 Ft
Future Ag Building
OK well
175
175 Ft
301' FT
Septic
275 Ft
696 Ft
461' FT
-10006-112
16-7S-17 [redacted] 10.45 Acres
AKA LOT 12 SUMMER'S ACRES S/D
UNREC: COMM NW COR, RUN S
80.15 FT TO S R/W CR-778, RUN
E ALONG R/W 698.08 FT, S
See Tax Roll For Extra Legal
Lot 11
Lot 12
Lot 13
656 Ft
Sterling Terr.

S80 0914018SS 09-0195

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

PERMIT NO. AP 917402
DATE PAID: 4/1/09
FEE PAID: 425.00
RECEIPT #: 12-PID 1103/05

APPLICATION FOR:
[X] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: NICHOLAS PEDEN

AGENT: _____ TELEPHONE: 352-560-706 321-436-305

MAILING ADDRESS: 6445 E. MALVERNE STR.
INVERNESS, FLA 34452

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES.

PROPERTY INFORMATION

LOT: 12 BLOCK: ____ SUBDIVISION: SUMMERS ACRES PLATTED: 5/2003

PROPERTY ID #: 16-75-17-10006-112 ZONING: ____ I/M OR EQUIVALENT: [Y / N]

PROPERY SIZE: 10.45 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / (N)] DISTANCE TO SEWER: ____ FT

PROPERTY ADDRESS: 296 SW STERLING TERRACE

DIRECTIONS TO PROPERTY: SOUTH ON 41/441 TO CR. 778/OAK RIDGE RD. WEST ON CR. 7 TO STERLING TERRACE (APROX. 1 MILE WEST OF 41/441). SOUTH ON STERLING TR TO LOT 12. LOT 12 IS SECOND LOT ON RIGHT (WEST SIDE)

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	RESIDENCE	3	~~2330~~ 2518	
2				
3				
4				

[ ] Floor/Equipment Drains [ ] Other (Specify) _____

SIGNATURE: Nicholas Peden DATE: 3.31.09

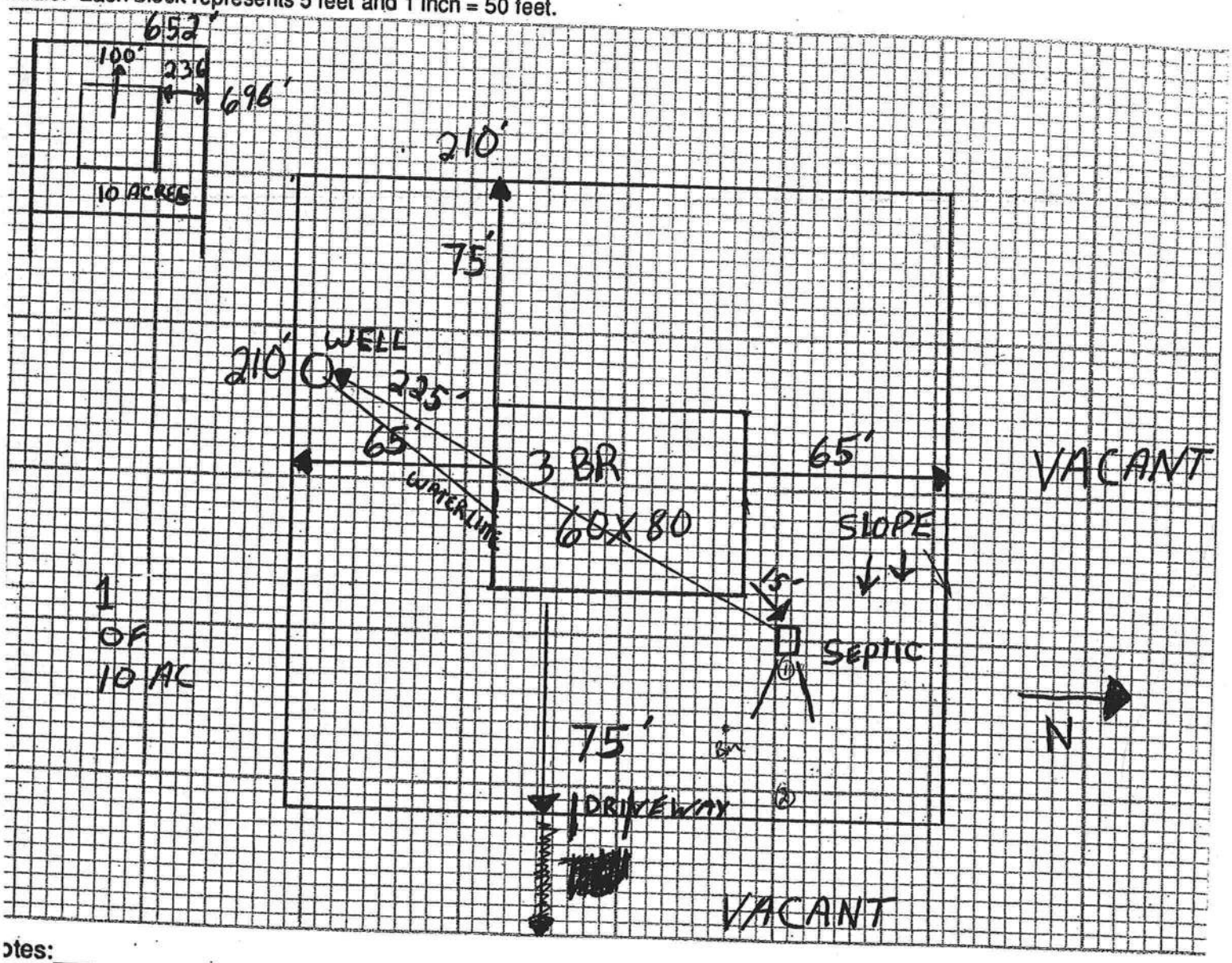
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 09-0195

PART II - SITE PLAN

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



Notes:

Site Plan submitted by: Nicholas Peden — OWNER
Signature — Title

Plan Approved / Not Approved — Date 4/14/9

APPROVED

Columbia CHD
County Health Departm

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

4015, 10/98 (Replaces HRS-H Form 4015 which may be used)

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 3/23/2009 **DATE ISSUED:** 3/26/2009

ENHANCED 9-1-1 ADDRESS:

296 SW STERLING TER

HIGH SPRINGS FL 32643

PROPERTY APPRAISER PARCEL NUMBER:

16-7S-17-10006-112

Remarks:

STRUCTURE ON LOT 12 SUMMER'S ACRES UNREC S/D

Approved Address

MAR 26 2009

911Addressing/GIS Dept

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

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

1402

RONNIE BRANNON
COLUMBIA COUNTY TAX COLLECTOR

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS
REAL ESTATE 2007 130109.0000

ACCOUNT NUMBER	ESCROW CD	ASSESSED VALUE	EXEMPTIONS	TAXABLE VALUE	MILLAGE CODE
R10006-112		78,375		78,375	003

10006-112

PEDEN NICHOLAS D & MELODY K
6445 E MALVERNE ST
INVERNESS FL 34452

16-7S-17 9900/9900 10.45 Acres
AKA LOT 12 SUMMER'S ACRES S/D
UNREC: COMM NW COR, RUN S
80.15 FT TO S R/W CR-778, RUN
E ALONG R/W 698.08 FT, S
See Tax Roll For Extra Legal

AD VALOREM TAXES

TAXING AUTHORITY		MILLAGE RATE	EXEMPTION AMOUNT	TAXABLE VALUE	TAXES LEVIED
C001	BOARD OF COUNTY COMMISS	7.8530		78,375	615.48
S002	COLUMBIA COUNTY SCHOOL			78,375	
	DISCRETIONARY	0.7600		78,375	59.57
	LOCAL	4.7800		78,375	374.63
	CAPITAL OUTLAY	2.0000		78,375	156.75
WSR	SUWANNEE RIVER WATER M	0.4399		78,375	34.48
HLSH	LAKE SHORE HOSPITAL AUT	2.0220		78,375	158.47
IIDA	COLUMBIA COUNTY INDUS	0.1240		78,375	9.72
	TOTAL MILLAGE	17.9789	AD VALOREM TAXES		1,409.10

NON-AD VALOREM ASSESSMENTS

LEVYING AUTHORITY		RATE	AMOUNT
FFIR	FIRE ASSESSMENTS		69.58
	NON-AD VALOREM ASSESSMENTS		69.58

Please Retain this Portion for your Records

COMBINED TAXES AND ASSESSMENTS	1,478.68	See reverse side for important information

If Paid By	Nov 30 2007	Dec 31 2007	Jan 31 2008	Feb 29 2008	Mar 31 2008
Please Pay	1,419.53	1,434.32	1,449.11	1,463.89	1,478.68

RONNIE BRANNON
COLUMBIA COUNTY TAX COLLECTOR

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS
REAL ESTATE 2007 130109.0000

ACCOUNT NUMBER	ESCROW CD	ASSESSED VALUE	EXEMPTIONS	TAXABLE VALUE	MILLAGE CODE
R10006-112		78,375		78,375	003

RETURN WITH PAYMENT

PEDEN NICHOLAS D & MELODY K
6445 E MALVERNE ST
INVERNESS FL 34452

16-7S-17 9900/9900 10.45 Acres
AKA LOT 12 SUMMER'S ACRES S/D
UNREC: COMM NW COR, RUN S
80.15 FT TO S R/W CR-778, RUN
E ALONG R/W 698.08 FT, S
See Tax Roll For Extra Legal

PAY IN U.S. FUNDS (NO POST DATED CHECKS) TO RONNIE BRANNON TAX COLLECTOR - 135 NE HERNANDO AVE. - SUITE 125, LAKE CITY, FL 32055-4006

If Paid By	Nov 30 2007	Dec 31 2007	Jan 31 2008	Feb 29 2008	Mar 31 2008
Please Pay	1,419.53	1,434.32	1,449.11	1,463.89	1,478.68

Paid 01/31/2008 D/I 01/31/2008 Rcpt # 3202246.0001 $1,449.11

WELL COMPLETION REPORT (Please complete in black ink or type.)
PERMIT # E001046 CUP/WUP # DID #
If permit is for multiple wells indicate the number of wells drilled 1
Indicate remaining wells to be cancelled 0
WATER WELL CONTRACTOR'S SIGNATURE License # 2666
TYPED WILLIAM D. BIAS
This was an electronic submission.
I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Bentonite	7	3	90
Cement	1	0	3

WELL LOCATION: County Columbia
NW 1/4 of NW 1/4 of Section 16 Twp: -7 Rge: 17
Latitude 29 53'02 Longitude 82 37'30

DATE STAMP
Received 03/31/2009
Official Use Only

CHEMICAL ANALYSIS WHEN REQUIRED
Iron:____ppm Sulfate:____ppm
Chloride:____ppm
[ ] Lab Test [ ] Field Test Kit

Sketch of well location on property Give distances from septic tank and house or other reference points.

WELL ON SOUTHWEST SIDE OF PROPERTY APRXX 35' FROM PROPOSSED SHED SEPTIC NOTIN YET. HOUSE NOT STARTED YET EITHER

Pump Type: Submersible
Horsepower: 1.5 Capacity 20 G.P.M.: 20
Pump Depth: 80 ft. Intake Depth: 82 ft.

OWNER'S NAME Nicholas Peden
COMPLETION DATE 03/23/2009 Florida Unique I.D.
WELL USE Self-supplied residential
DRILL METHOD Rotary

Measured Static Water Level 50 ft. Total Depth: 105 ft.
Measured Pumping Water Level 50 ft. Casing Depth: 90 ft.
After 1 hours at 20 G.P.M Casing Diam: 4 in.
Casing PVC

(X) Open Hole
[ ] Screen
Casing Diameter & Depth (Ft.)
Diameter: 4 in.
From: 1 ft.
To: 90 ft.
Diameter:
From:
To:
Diameter:
From:
To:

DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producting zones.

Depth (Ft.) From	To	Color	Grain Size	Type of Material
0	20	TAN	FN/SILTY	SAND/CLAY
20	40	TAN/WHT	SILTY	CLAY
40	60	TAN/WHT	SILTY/CRS	CLAY/ROCK
60	80	WHT	CRS	ROCK
80	90	WHT	CRS	ROCK
90	105	WHT/TAN	CRS	ROCK CAVATIES (WATER)

Driller's name WILLIAM BIAS/BRUCE PARK

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	PEDEN RES	Builder Name:	DWC CONTRACTING
Street:		Permit Office:	Columbia
City, State, Zip:	, FL ,	Permit Number:	27895
Owner:		Jurisdiction:	221000
Design Location:	FL, Gainesville		

1. New construction or existing		New (From Plans)		
2. Single family or multiple family		Single-family		
3. Number of units, if multiple family		1		
4. Number of Bedrooms		3		
5. Is this a worst case?		Yes		
6. Conditioned floor area (ft²)		2744		
7. Windows	Description		Area	
a. U-Factor: SHGC:	Dbl, U=0.55 SHGC=0.35		375.00	ft²
b. U-Factor: SHGC:	N/A			ft²
c. U-Factor: SHGC:	N/A			ft²
d. U-Factor: SHGC:	N/A			ft²
e. U-Factor: SHGC:	N/A			ft²
8. Floor Types		Insulation	Area	
a. Slab-On-Grade Edge Insulation		R=0.0	2339.00	ft²
b. Raised Floor		R=19.0	405.00	ft²
c. N/A		R=		ft²

9. Wall Types	Insulation	Area	
a. Frame - Wood, Exterior	R=13.0	1950.00	ft²
b. Frame - Wood, Adjacent	R=13.0	650.00	ft²
c. N/A	R=		ft²
d. N/A	R=		ft²
10. Ceiling Types	Insulation	Area	
a. Under Attic (Vented)	R=30.0	2744.00	ft²
b. Knee Wall (Vented)	R=19.0	455.00	ft²
c. N/A	R=		ft²
11. Ducts			
a. Sup: Attic Ret: Attic AH: Garage Sup. R= 6, 548.8 ft²			
12. Cooling systems			
a. Central Unit	Cap: 60 kBtu/hr SEER: 13		
13. Heating systems			
a. Electric Heat Pump	Cap: 60 kBtu/hr HSPF: 9.1		
14. Hot water systems			
a. Electric	Cap: 50 gallons EF: 0.92		
b. Conservation features None			
15. Credits	Pstat		

Glass/Floor Area: 0.137

Total As-Built Modified Loads: 38.57
Total Baseline Loads: 54.18

PASS

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

PREPARED BY: Case
DATE: 6-10-09

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: _____

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with N1110.A.3.

PROJECT

Title:	PEDEN RES	Bedrooms:	3	Adress Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:		Conditioned Area:	2744	SubDivision:	
# of Units:	1	Total Stories:	2	PlatBook:	
Builder Name:	DWC CONTRACTING	Worst Case:	Yes	Street:	
Permit Office:		Rotate Angle:	315	County:	ALACHUA
Jurisdiction:		Cross Ventilation:		City, State, Zip:	,
Family Type:	Single-family	Whole House Fan:			FL ,
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	75	70	1305.5	51	Medium

FLOORS

√	#	Floor Type	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	261 ft	0	2339 ft²		1	1	0
_____	2	Raised Floor			405 ft²	19	1	1	0

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Hip	Composition shingles	3178 ft²	0 ft²	Medium	0.96	No	0	30.3 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	2744 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	2744 ft²	0.11	Wood
_____	2	Knee Wall (Vented)	19	455 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Frame - Wood	13	650 ft²		0.23	0.75
_____	2	S	Garage	Frame - Wood	13	650 ft²		0.23	0.01
_____	3	E	Exterior	Frame - Wood	13	650 ft²		0.23	0.75
_____	4	W	Exterior	Frame - Wood	13	650 ft²		0.23	0.75

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	N	Wood	None	0.46	21 ft²
_____	2	S	Wood	None	0.46	21 ft²

WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

√	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	N	Vinyl	Low-E Double	Yes	0.55	0.35	N	165 ft²	1 ft 6 in	0 ft 0 in	HERS 2006	None
_____	2	S	Vinyl	Low-E Double	Yes	0.55	0.35	N	135 ft²	1 ft 6 in	0 ft 0 in	HERS 2006	None
_____	3	E	Vinyl	Low-E Double	Yes	0.55	0.35	N	45 ft²	1 ft 6 in	0 ft 0 in	HERS 2006	None
_____	4	W	Vinyl	Low-E Double	Yes	0.55	0.35	N	30 ft²	1 ft 6 in	0 ft 0 in	HERS 2006	None

INFILTRATION & VENTING

√	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ---- Supply CFM	Exhaust CFM	Run Time Fraction	Fan Watts
_____	Default	0.00036	2591	7.08	142.2	267.5	0 cfm	0 cfm	0	0

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	384 ft²	384 ft²	64 ft	8 ft	11

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
_____	1	Central Unit	None	SEER: 13	60 kBtu/hr	1800 cfm	0.75	False

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ductless
_____	1	Electric Heat Pump	None	HSPF: 9.1	60 kBtu/hr	False

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.92	50 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

DUCTS

✓	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	548.8 ft	Attic	137.2 ft	Default Leakage	Garage				

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Heating	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Venting	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

Code Compliance Cheklist

Residential Whole Building Performance Method A - Details

ADDRESS:	PERMIT #:
, FL,	

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Project Summary
Entire House
SOUTHERN AIR SYSTEMS OF N.FL. INC.

Job:
Date: 2-22-09
By: M.M.

TRENTON, FL 32693 Phone: 352-463-8868

Project Information

For: PEDEN RESIDENCE
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	***96***	°F
Inside db	78	°F
Design TD	18	°F
Daily range	***M***	
Relative humidity	50	%
Moisture difference	51	gr/lb

Heating Summary

Building heat loss	40193	Btuh
Ventilation air	0	cfm
Ventilation air loss	0	Btuh
Design heat load	40193	Btuh

Sensible Cooling Equipment Load Sizing

Structure	35911	Btuh
Ventilation	0	Btuh
Design temperature swing	3.0	°F
Use mfg. data	n	
Rate/swing multiplier	1.01	
Total sens. equip. load	36271	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

	Heating	Cooling
Area (ft²)	2744	2744
Volume (ft³)	24287	24287
Air changes/hour	0.90	0.40
Equiv. AVF (cfm)	364	162

Latent Cooling Equipment Load Sizing

Internal gains	7820	Btuh
Ventilation	0	Btuh
Infiltration	5636	Btuh
Total latent equip. load	13456	Btuh
Total equipment load	49726	Btuh
Req. total capacity at 0.70 SHR	4.3	ton

Heating Equipment Summary

Make Trane
Trade Trane Weathertron - EPA
Model 2TWA2060A4

Efficiency	9.1	HSPF
Heating input		
Heating output	56000	Btuh @ 47°F
Temperature rise	25	°F
Actual air flow	2000	cfm
Air flow factor	0.050	cfm/Btuh
Static pressure	0.50	in H2O
Space thermostat		

Cooling Equipment Summary

Make Trane
Trade Trane Weathertron - EPA
Cond 2TWA2060A4
Coil TWE060P13

Efficiency	13	EER
Sensible cooling	41300	Btuh
Latent cooling	17700	Btuh
Total cooling	59000	Btuh
Actual air flow	***2000***	cfm
Air flow factor	0.056	cfm/Btuh
Static pressure	0.50	in H2O
Load sensible heat ratio	73	%

Bold/italic values have been manually overridden

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

Duct System Summary
Entire House
SOUTHERN AIR SYSTEMS OF N.FL. INC.

Job:
Date: 2-22-09
By: M.M.

TRENTON, FL 32693 Phone: 352-463-8868

Project Information

For: PEDEN RESIDENCE
FL

	Heating	Cooling
External static pressure	***0.50*** in H2O	***0.50*** in H2O
Pressure losses	0.00 in H2O	0.00 in H2O
Available static pressure	0.50 in H2O	0.50 in H2O
Supply / return available pressure	0.25 / 0.25 in H2O	0.25 / 0.25 in H2O
Lowest friction rate	***0.100*** in/100ft	***0.100*** in/100ft
Actual air flow	2000 cfm	***2000*** cfm
Total effective length (TEL)	0 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
STUDY	h 3391	169	106	0.100	8	12x6	VlFx	0.0	0.0	st1
FOYER	h 1585	79	68	0.100	6	12x4	VlFx	0.0	0.0	st1
DINING ROOM	h 2910	145	101	0.100	8	12x6	VlFx	0.0	0.0	st1
PANTRY	h 1295	64	64	0.100	6	12x2	VlFx	0.0	0.0	st1
POWDER ROOM	c 2076	4	116	0.100	7	12x4	VlFx	0.0	0.0	st1
BEDROOM 2	h 2735	136	97	0.100	8	12x6	VlFx	0.0	0.0	st1
BATH	c 2448	40	136	0.100	8	12x6	VlFx	0.0	0.0	st1
W.I.C.	c 994	47	55	0.100	5	12x2	VlFx	0.0	0.0	st1
BEDROOM 3	h 2109	105	84	0.100	7	12x4	VlFx	0.0	0.0	st1
GREAT ROOM	h 5145	256	156	0.100	10	12x8	VlFx	0.0	0.0	st1
NOOK	h 3577	178	115	0.100	8	12x6	VlFx	0.0	0.0	st1
KITCHEN	c 2265	12	126	0.100	7	12x4	VlFx	0.0	0.0	st1
LAUNDRY	c 2261	12	126	0.100	7	12x4	VlFx	0.0	0.0	st1
MASTER SUITE-A	h 3057	152	116	0.100	8	12x6	VlFx	0.0	0.0	st1
MASTER SUITE	h 3057	152	116	0.100	8	12x6	VlFx	0.0	0.0	st1
W.I.C. 2	h 2625	131	123	0.100	7	12x4	VlFx	0.0	0.0	st1
MASTER BATH	c 2616	58	146	0.100	8	12x6	VlFx	0.0	0.0	st1
BONUS ROOM	h 4412	220	136	0.100	9	12x6	VlFx	0.0	0.0	st1
BATH (BONUS)	h 825	41	13	0.100	5	12x2	VlFx	0.0	0.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	2000	2000	0.100	667	22	12 x 36	RectFbg	

Bold/Italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	2000	2000	0.0	0.050	545	24	12x 44		VlFx	

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

BOKOR, JEFFREY PHILIP
DWC CONTRACTING INC
426 NW 19TH AVENUE
GAINESVILLE FL 32609

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Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!

STATE OF FLORIDA AC# 4386988
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CGC1517145 04/21/09 080378635

CERTIFIED GENERAL CONTRACTOR
BOKOR, JEFFREY PHILIP
DWC CONTRACTING INC

IS CERTIFIED under the provisions of Ch.489 FS
Expiration date: AUG 31, 2010 L09042100097

DETACH HERE

AC# 4386988

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD
SEQ# L09042100097

DATE	BATCH NUMBER	LICENSE NBR
04/21/2009	080378635	CGC1517145

The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2010

BOKOR, JEFFREY PHILIP
DWC CONTRACTING INC
426 NW 19TH AVENUE
GAINESVILLE FL 32609

CHARLIE CRIST
GOVERNOR

CHARLES W. DRAGO
SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

DWC CONTRACTING INC
364 STERLING TERRACE
HIGH SPRINGS FL 32643

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Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!

STATE OF FLORIDA AC# 4387011
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

QB66288 04/21/09 080378635

QUALIFIED BUSINESS ORGANIZATION
DWC CONTRACTING INC

(NOT A LICENSE TO PERFORM WORK. ALLOWS COMPANY TO DO BUSINESS IF IT HAS A LICENSED QUALIFIER.)
IS QUALIFIED under the provisions of Ch.489 FS
Expiration date: AUG 31, 2009 L09042100120

DETACH HERE

AC# 4387011

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L09042100120

DATE	BATCH NUMBER	LICENSE NBR
04/21/2009	080378635	QB66288

The BUSINESS ORGANIZATION
Named below IS QUALIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2009
(THIS IS NOT A LICENSE TO PERFORM WORK. THIS ALLOWS COMPANY TO DO BUSINESS ONLY IF IT HAS A QUALIFIER.)

DWC CONTRACTING INC
364 STERLING TERRACE
HIGH SPRINGS FL 32643

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

CHARLES W. DRAGO
SECRETARY

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 06/19/2009

PRODUCER
Affiliated Agency Ops
16 South River Street

Wilkes-Barre, PA 18702
Tel: (800) 673-2465 Fax: (570) 825-0611

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED
Employee Leasing Solutions, Inc.
Phone: (941) 746-6567

1401 Manatee Ave W. Suite 600
Bradenton, FL 34205

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: EastGUARD Insurance Company	14702
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
		GENERAL LIABILITY					
		COMMERCIAL GENERAL LIABILITY				EACH OCCURRENCE	$
		CLAIMS MADE ☐ OCCUR				DAMAGE TO RENTED PREMISES (Ea occurance)	$
						MED EXP (Any one person)	$
						PERSONAL & ADV INJURY	$
		GEN'L AGGREGATE LIMIT APPLIES PER:				GENERAL AGGREGATE	$
		☐ POLICY ☐ PRO-JECT ☐ LOC				PRODUCTS - COMP/OP AGG	$
		AUTOMOBILE LIABILITY					
		☐ ANY AUTO				COMBINED SINGLE LIMIT (Ea accident)	$
		☐ ALL OWNED AUTOS					
		☐ SCHEDULED AUTOS				BODILY INJURY (Per person)	$
		☐ HIRED AUTOS					
		☐ NON-OWNED AUTOS				BODILY INJURY (Per accident)	$
						PROPERTY DAMAGE (Per accident)	$
		GARAGE LIABILITY					
		☐ ANY AUTO				AUTO ONLY - EA ACCIDENT	$
						OTHER THAN AUTO ONLY: EA ACC	$
						AGG	$
		EXCESS/UMBRELLA LIABILITY					
		☐ OCCUR ☐ CLAIMS MADE				EACH OCCURRENCE	$
						AGGREGATE	$
		☐ DEDUCTIBLE					$
		☐ RETENTION $					$
A		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY				X WC STATU-TORY LIMITS OTH-ER	
		ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?	EMWC006941	01/01/2009	01/01/2010	E.L. EACH ACCIDENT	$ 1,000,000
		If yes, describe under SPECIAL PROVISIONS below				E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
						E.L. DISEASE - POLICY LIMIT	$ 1,000,000
		OTHER					
		Client ID: #5009031				*** Valid In the State of Florida ***	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS
COVERAGE APPLIES ONLY TO THOSE EMPLOYEES LEASED TO BUT NOT SUBCONTRACTORS OF:

DWC Contracting Inc
Qualifiers Name: Craig and Lisa Terry

Aprox active employee count: 1

EastGUARD Insurance Company carries an A.M. Best Rating of A- (Excellent) and a financial size Category of VIII

Financial Strength
A- Excellent

CERTIFICATE HOLDER

Columbia County
135 NE Hernando Ave
Ste B21
LAKE CITY, FL 32055

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD
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364 STERLING TERRACE
HIGH SPRINGS FL 32643

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto **www.myfloridalicense.com**. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!

STATE OF FLORIDA AC# 4387011
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

QB66288 04/21/09 080378635

QUALIFIED BUSINESS ORGANIZATION
DWC CONTRACTING INC

(NOT A LICENSE TO PERFORM WORK. ALLOWS COMPANY TO DO BUSINESS IF IT HAS A LICENSED QUALIFIER.)
IS QUALIFIED under the provisions of Ch.489 FS
Expiration date: AUG 31, 2009 L09042100120

DETACH HERE

AC# 4387011

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L09042100120

DATE	BATCH NUMBER	LICENSE NBR
04/21/2009	080378635	QB66288

The BUSINESS ORGANIZATION
Named below IS QUALIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2009
(THIS IS NOT A LICENSE TO PERFORM WORK. THIS ALLOWS COMPANY TO DO BUSINESS ONLY IF IT HAS A QUALIFIER.)

DWC CONTRACTING INC
364 STERLING TERRACE
HIGH SPRINGS FL 32643

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

CHARLES W. DRAGO
SECRETARY

.TE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

BOKOR, JEFFREY PHILIP
DWC CONTRACTING INC
426 NW 19TH AVENUE
GAINESVILLE FL 32609

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STATE OF FLORIDA AC# 4386988
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CGC1517145 04/21/09 080378635

CERTIFIED GENERAL CONTRACTOR
BOKOR, JEFFREY PHILIP
DWC CONTRACTING INC

IS CERTIFIED under the provisions of Ch.489 FS
Expiration date: AUG 31, 2010 L09042100097

DETACH HERE

AC# 4386988

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L09042100097

DATE	BATCH NUMBER	LICENSE NBR
04/21/2009	080378635	CGC1517145

The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2010

BOKOR, JEFFREY PHILIP
DWC CONTRACTING INC
426 NW 19TH AVENUE
GAINESVILLE FL 32609

CHARLIE CRIST
GOVERNOR

CHARLES W. DRAGO
SECRETARY

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 16-7S-17-10006-112 **Building permit No.** 000027895

Use Classification SFD,UTILITY **Fire:** 134.42

Permit Holder DWC CONTRACTING **Waste:** 184.25

Owner of Building NICHOLAS PEDEN **Total:** 318.67

Location: 296 SW STERLING TERR., HIGH SPRINGS, FL

Date: 11/23/2009

Wayne A. Russ

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Schafer Engineering, LLC

14705 Main St. Alachua FL 32615

Prepared for:

DWC CONTRACTING
THE PEDEN RESIDENCE
COLUMBIA COUNTY, FLORIDA

By:

Schafer Engineering, LLC

386-462-1340 / 352-375-6329

NO COPIES ARE TO BE PERMITTED

SCHAFER ENGINEERING LLC

Trusses: Pre-engineered with manufacturer's required bracing system installed.
Roof Sheathing: Type: OSB Size: 7/16 Fastener type nails: 8d/.113 Ring Shank
Interior zone spacing: Interior: 6 in. Periphery: 4 in.
Edge and end zone spacing: Interior: 6 in. Periphery: 4 in.

Top Double Pl: Type: Spruce Grade: #1 #2 Size: 2 x 4 Nail spacing: 8 in.

Studs: Wood or Steel: Wood Type: Spruce Grade: #1 #2 Size: 2 x 4
Interior Stud spacing: 16 in. Composite: (yes or no) Y
End Stud spacing: 16 in. Composite: (yes or no) Y

Shear Wall Siding: Type: OSB Thickness: 7/16 in.
78 ft. Trans: Fastener: 8d / 131 Spacing: Int 8 in. Edge 4 in.
63 ft. Long: Fastener: 8d / 131 Spacing: Int 8 in. Edge 4 in.

Allowable Unit Shear on Shear Walls: 314 **pounds per linear foot**
Unit Shear Transferred from Diaphragm: Trans: 116 Long: 101
Wall Tension Transferred by: Siding nails: 8d/131 @ 4 O.C. edges

Foundation Anchor Bolts: Concrete Strength: 3000 psi Size: 1/2 in. Shape: L
Washer: 2" Embedment: 7 in. Location of first anchor bolt from corner: 8 in.

Anchor Bolts @ 48" O.C. Model: A307 Loc. from corner: 8 in.

Type of Foundation: (1) - #5 rebar continuous required in bond beam.
Floor Slab: 4 in. CMU: Size 8 x 16 in. Height: 24 in. Reinf.: # 5 at 72 in.
Monolithic Footing: Depth: 20 in. Bottom Width: 12 in. Reinf.: 2 # 5 bars

Footing: Width: 20 in. Depth: 10 in. Reinforcing: 2 # 5 bars
Interior Footings: 16" W X 10" D
Porch Columns: 6X6X9'SYP #3 PT @ 144" o.c. MAX. **Column Fasteners:** Simpson CB66/CC66 or Equal

Special Comments: Install Simpson - CS16 @ 32"oc Attaching the dormer walls to the top chord of the truss below. Install Simpson H2.5 one each end of the dormer trusses to dormer walls.

NOTE:
1. Balloon frame ALL gable ends unless this summary is accompanied by Gable End Wall Brace detail.
2. All trusses must bear on exterior walls & porch beams.
3. All walls to be nailed with same nailing pattern as shear walls.
4. This is a wind load only, NOT a structural analysis.
5. This wind load is not valid without a raised, embossed seal.
6. It is assumed that ideal soil conditions and pad preparations are provided.
7. Fiber mesh or WWM may be used in concrete slab.
8. Trusses must be anchored and supported in accordance to the truss engineering.
9. Wind design and analysis valid for one use only \ 2007 FBC \ no copies permitted.
10. The foundation is for minimum design use and may be increased.
11. All headers over 12 feet to be pre-engineered.

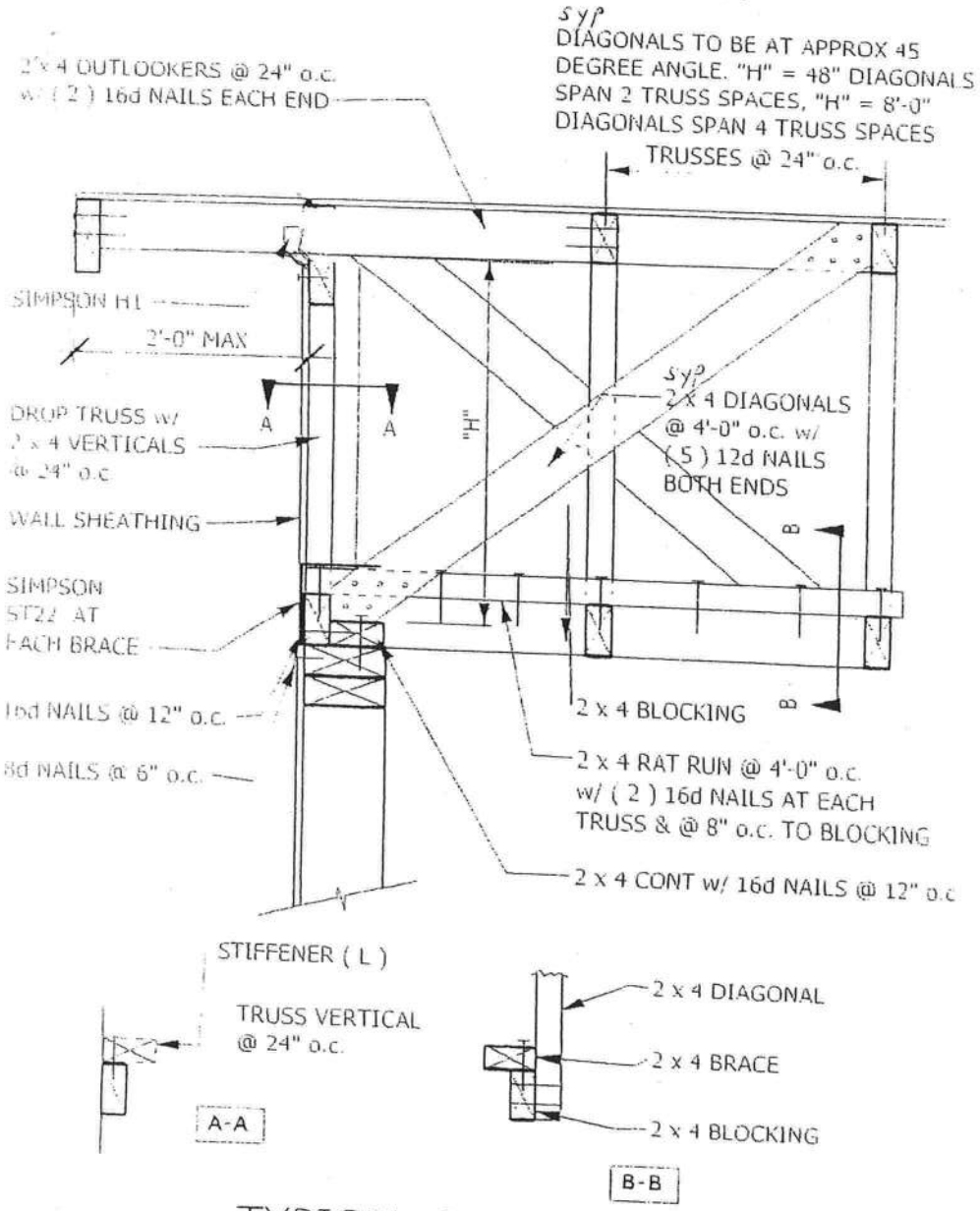
3-26-09

48984
7104 NW 42nd Ln
Gainesville, Fl

SCHAFER ENGINEERING, LLC

7104 N. W. 42ND LANE

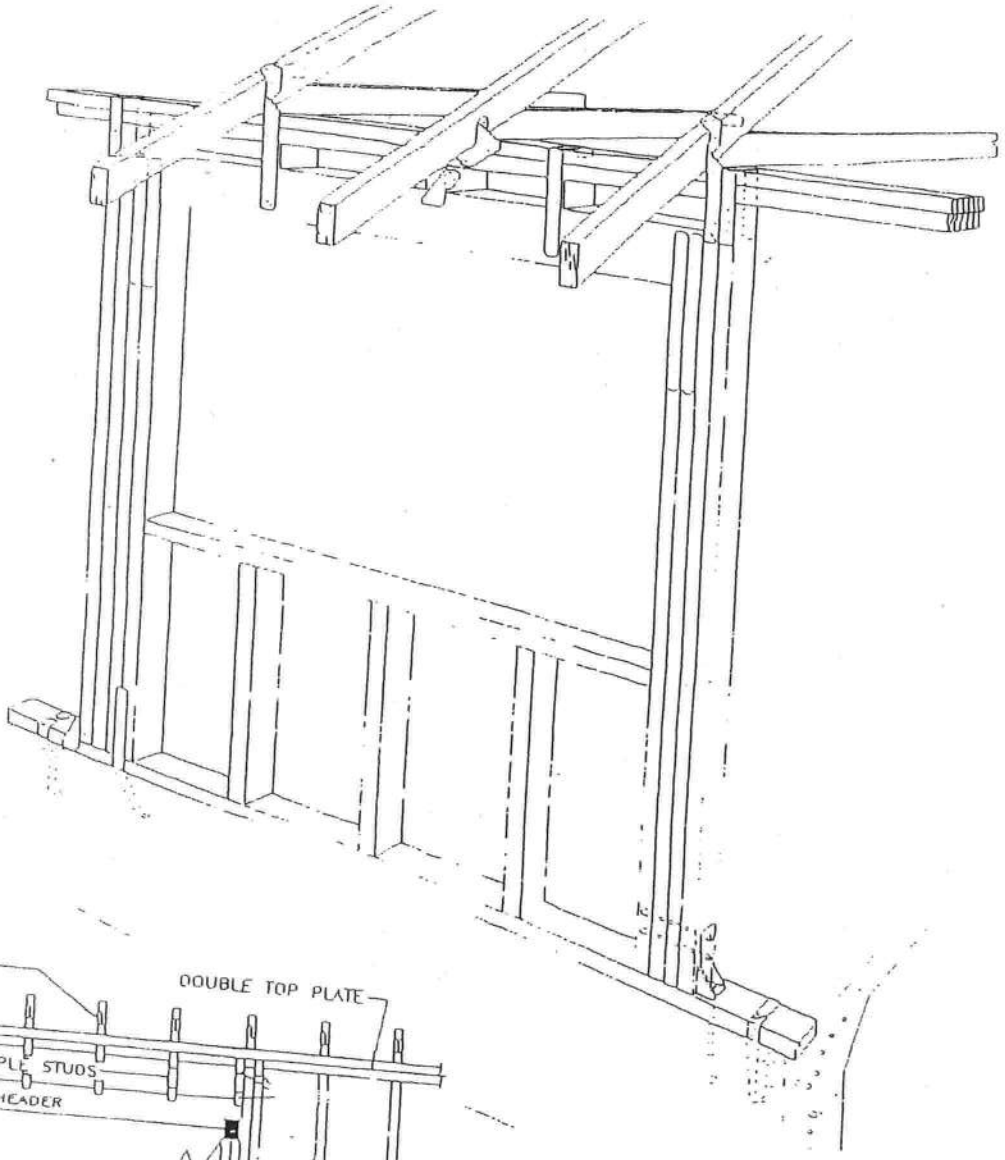
GAINESVILLE, FLORIDA 32606

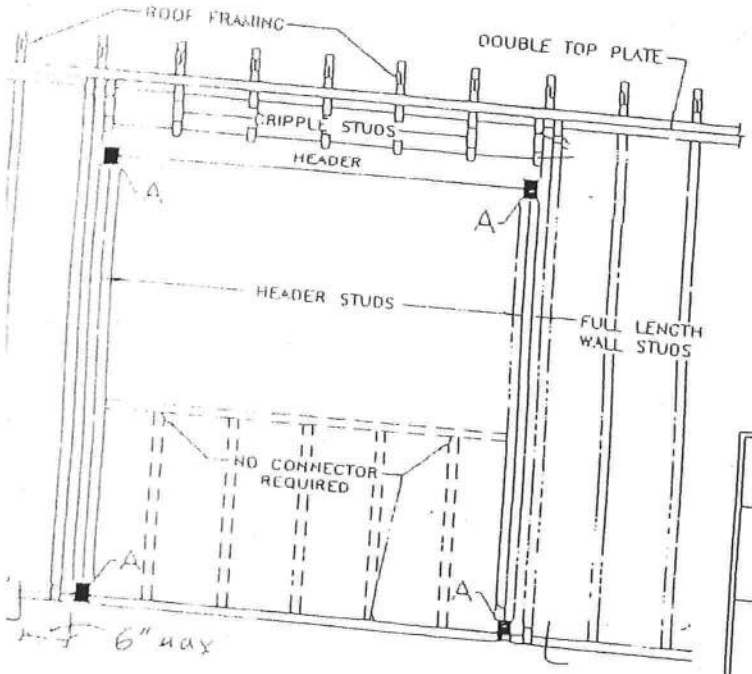


TYPICAL GABLE END BRACING

3-26-09

48984
7104 NW 42nd Ln
Gainesville, Fl





Unsupported Wall Height	Stud Spacing	Maximum Header Span (ft)					
		3'	6'	9'	12'	15'	18'
		Number of Header Studs Supporting End of Header					
		1[1]	1	2	2	2	2
		Number of Full-Length Studs at Each End of Header					
10' or less	12 in.	2	2	3	3	3	3
	16 in.	2	2	3	3	3	3
	24 in.	1	2	2	2	2	2
greater than 10'	12 in.	2	2	3	4	5	5
	16 in.	2	2	3	3	4	4
	24 in.	1	2	2	2	3	3

Total each truss uplift on the header divide by 2 for header anchorage

TIE-DOWN TABLES

HEADERS				
Uplift Force Lbs	Top Connector **	Rating Lbs	Bottom Connector **	Rating Lbs
to 455	LSTA9	725	H3	455
to 910	LSTA12	905	2-H3	910
to 1265	LSTA18	1265	LTT19	1350
to 1750	2-LSTA12	1810	LTT20	1750
to 2530	2-LSTA18	2530	HD2A-2.5	2565
to 2865	3-LSTA18	3255	HD2A-3.5	2865
to 3700	3-LSTA24	3880	HD5A-3	3700
Total uplift for each truss resting on the header and divide by 2 to determine the uplift force. Use proper bolt anchors sufficient to support required load.				

TRUSSES/GIRDERS		
Uplift Force Lbs	Top Connector **	Bottom Connector **
to 500	H2.5	N/A
501-1049	H10	N/A
1050-1350	TS22	LTT19
1351-1750	2-TS22	LTT20
1751-2570	2-TS22	HD2A
2571-3665	3-TS22	HD5A
3666-5260	2-MST148	HTT22
5261-8300	2-MST48	HD10A
Two 12d common toenails are required per truss/rafter per bearing point into plate. Use proper bolt anchors. Strap rafters to truss or at each end with minimum uplift resistance of 450# each end. Strap ridge beam at each end with minimum uplift resistance of 1000#. It is the contractors' responsibility to provide a continuous load path from truss/rafter/ridge beam to foundation.		

	Top Connector **	Rating Lbs	Bottom Connector **	Rating
BEAM SEATS	LSTA18*	1200	LTT19*	1250
POSTS (max 17' spacing)	2-LSTA18	2400	ABU44	2300
*or per truss engineering Use proper bolt anchors All beams to be sheathed or strapped to Double Top Plate when applicable.				

CRIPPLES	Sheathing nailing alone adequate w/8d nails @ 3" O.C.

STUDS
Wall sheathing nailing Adequate exterior walls bottom w/8d nails.
Use SP1 & SP2 @32" O.C. on all interior non-sheathed bearing walls.
Interior anchor bolts to be ½" x 8" A307 or ½" x 7" wedge anchor or equivalent.

** Equivalent Simpson hardware, or other manufacturer, may be substituted for any of the hardware specified on this page as long as it meets the required load capacities/uplift resistance.

NOTE:

1. For nailing into SPF members, multiply table values by .86
2. See truss engineering for anchor tie-down values.

FBC - 2007

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)	26.6	Deg
Type of Roof	Gabled	
Eave Height (Eht)	9.00	ft
Ridge Height (RHt)	25.17	ft
Mean Roof Height (Ht)	18.23	ft
Width Perp. to Wind (B)	58.00	ft
Width Parallel to Wind (L)	78.67	ft
Damping Ratio (beta)	0.01	

Red values should be changed only through "Main Menu"

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.31
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
lzm	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	0.8908	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8605	
Gust Factor Category III: Flexible or Dynamically Sensitive Structures			
Vhref	V*(5280/3600)	161.33	ft/s
Vzm	bm*(zm/33)^Am*Vhref	70.89	ft/s
NF1	NatFreq*Lzm/Vzm	4.37	Hz
Rn	(7.47*NF1)/(1+10.302*NF1)^1.667	0.0552	
Nh	4.6*NatFreq*Ht/Vzm	1.18	
Nb	4.6*NatFreq*B/Vzm	3.76	
Nd	15.4*NatFreq*Depth/Vzm	17.09	
Rh	1/Nh-(1/(2*Nh^2)*(1-Exp(-2*Nh)))	0.5216	
Rb	1/Nb-(1/(2*Nb^2)*(1-Exp(-2*Nb)))	0.2304	
Rd	1/Nd-(1/(2*Nd^2)*(1-Exp(-2*Nd)))	0.0568	
RR	((1/Beta)*Rn*Rh*Rb*(0.53+0.47*Rd))^0.5	0.6076	
gg	+(2*LN(3600*n1))^0.5+0.577/(2*LN(3600*n1))^0.5	4.19	
Gust3	0.925*((1+1.7*Izm*(3.4^2*Q^2+GG^2*RR^2)^0.5)/(1+1.7*3.4*Izm))	1.02	

Gust Factor Summary			
Main Wind-force resisting system:		**Components and Cladding:**	
Gust Factor Category:	I	Gust Factor Category:	I
Gust Factor (G)	0.86	Gust Factor (G)	0.86

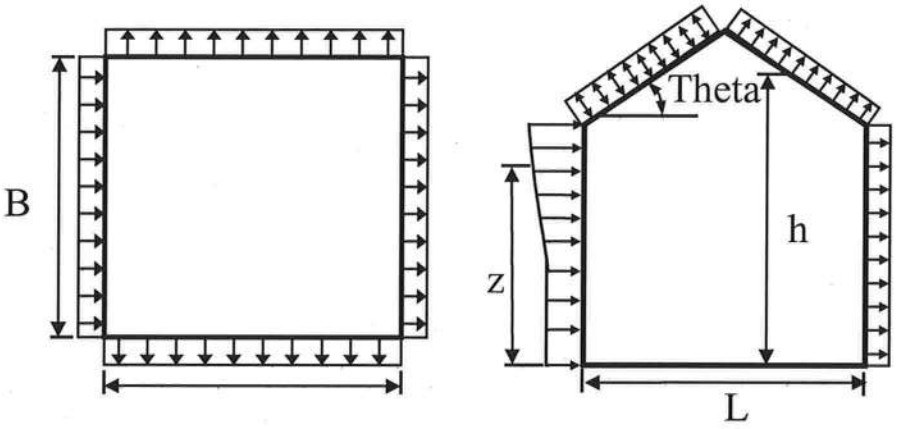
FBC - 2007

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

Elev. ft	Kz	Kzt	Kd 1.00	qz lb/ft^2	Pressure (lb/ft^2) Windward Wall* +GCpi	-GCpi
25.17	0.70	1.00	1.00	21.70	11.55	18.33
20	0.70	1.00	1.00	21.70	11.55	18.33
18.23	0.70	1.00	1.00	21.70	11.55	18.33
15	0.70	1.00	1.00	21.70	11.55	18.33

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)	0.61	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	.00256*(V)^2*ImpFac*Kh*Kht*Kd	18.82	psf

Wall Pressure Coefficients, Cp	
Surface	**Cp**
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.80

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

Description	Cp	Pressure (psf) +GCpi	-GCpi
Leeward Walls (Wind Dir Parallel to 58 ft wall)	-0.43	-10.33	-3.56
Leeward Walls (Wind Dir Parallel to 78.67 ft wall)	-0.50	-11.49	-4.71
Side Walls	-0.70	-14.73	-7.95
Roof - Normal to Ridge (Theta>=10)			
Windward - Max Negative	-0.20	-6.63	0.15
Windward - Max Positive	0.30	1.47	8.25
Leeward Normal to Ridge	-0.60	-13.11	-6.33
Overhang Top	-0.20	-3.24	-3.24
Overhang Bottom	0.80	0.69	0.69
Roof - Parallel to Ridge (All Theta)			
Dist from Windward Edge: 0 ft to 9.115 ft	-0.90	-17.97	-11.19

FBC - 2007

Dist from Windward Edge: 9.115 ft to 18.23 ft	-0.90	-17.97	-11.19
Dist from Windward Edge: 18.23 ft to 36.46 ft	-0.50	-11.49	-4.71
Dist from Windward Edge: > 36.46 ft	-0.30	-8.25	-1.47

* Horizontal distance from windward edge

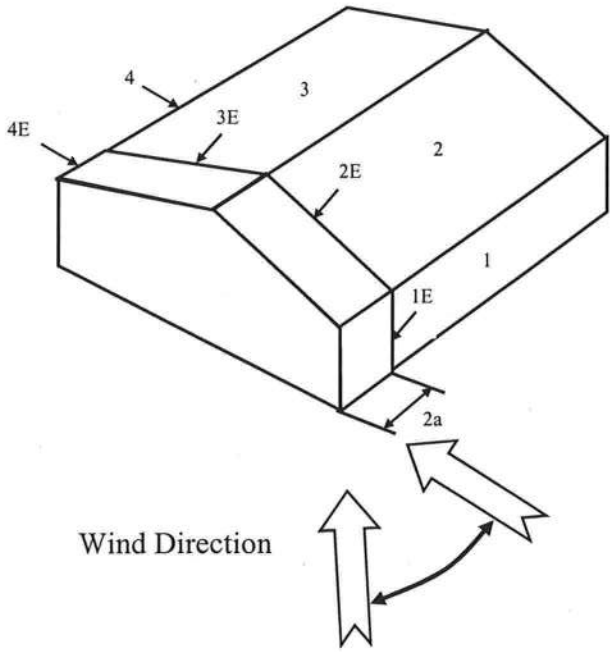
Figure 6-4 - External Pressure Coefficients, GCpf

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

Kh =	2.01*(Ht/zg)^(2/Alpha)	=	0.61
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	18.82

Case A						
Surface	**GCpf**	**+GCpi**	**-GCpi**	**qh (psf)**	**Min P (psf)**	**Max P (psf)**
1	0.55	0.18	-0.18	21.70	8.03	15.84
2	-0.10	0.18	-0.18	21.70	-5.99	1.82
3	-0.45	0.18	-0.18	21.70	-13.61	-5.79
4	-0.39	0.18	-0.18	21.70	-12.38	-4.57
5	0.00	0.18	-0.18	21.70	-3.91	3.91
6	0.00	0.18	-0.18	21.70	-3.91	3.91
1E	0.73	0.18	-0.18	21.70	11.88	19.69
2E	-0.19	0.18	-0.18	21.70	-7.93	-0.12
3E	-0.58	0.18	-0.18	21.70	-16.59	-8.78
4E	-0.53	0.18	-0.18	21.70	-15.50	-7.69
5E	0.00	0.18	-0.18	21.70	-3.91	3.91
6E	0.00	0.18	-0.18	21.70	-3.91	3.91

* p = qh * (GCpf - GCpi)



FBC - 2007

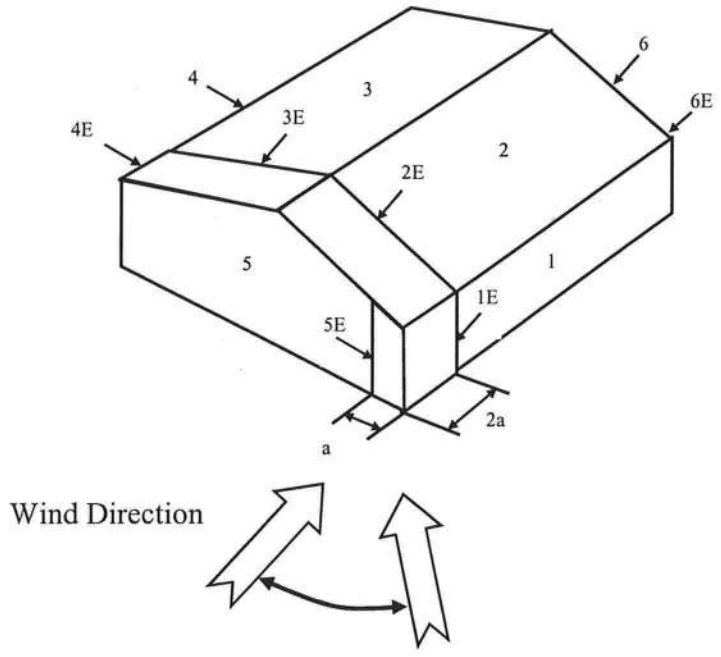
Figure 6-4 - External Pressure Coefficients, GCpf

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

Kh =	2.01*(Ht/zg)^(2/Alpha)	=	0.61
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	18.82

Case B						
Surface	**GCpf**	**+GCpi**	**-GCpi**	**qh (psf)**	**Min P (psf)**	**Max P (psf)**
1	-0.45	0.18	-0.18	21.70	-13.67	-5.86
2	-0.69	0.18	-0.18	21.70	-18.88	-11.07
3	-0.37	0.18	-0.18	21.70	-11.94	-4.12
4	-0.45	0.18	-0.18	21.70	-13.67	-5.86
5	0.40	0.18	-0.18	21.70	4.77	12.59
6	-0.29	0.18	-0.18	21.70	-10.20	-2.39
1E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
2E	-1.07	0.18	-0.18	21.70	-27.13	-19.31
3E	-0.53	0.18	-0.18	21.70	-15.41	-7.60
4E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
5E	0.61	0.18	-0.18	21.70	9.33	17.14
6E	-0.43	0.18	-0.18	21.70	-13.24	-5.43

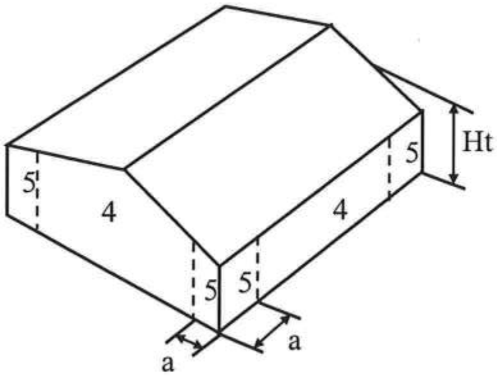
* p = qh * (GCpf - GCpi)

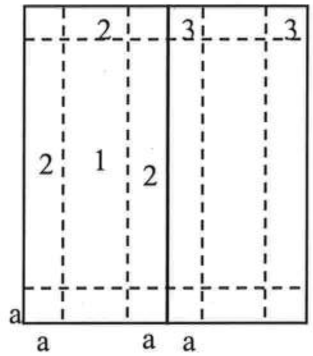


FBC - 2007

Figure 6-5 - External Pressure Coefficients, GCp

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





Gabled Roof
10 < Theta <= 45

a = 5.8 ==> 5.80 ft

Component	Width (ft)	Length (ft)	Area (ft^2)	Zone	GCp Max	GCp Min	Wind Press (lb/ft^2) Max	Wind Press (lb/ft^2) Min
	16	7	112.00	5	0.81	-1.03	18.72	-22.76
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
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	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					

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

Table 6-7 Internal Pressure Coefficients for Buildings, Gcpi

FBC - 2007

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**

Table 6-8 External Pressure Coefficients for Arched Roofs, Cp

r (Rise-to-Span Ratio) = 0.3

Condition	Variable	Cp		
		Windward Quarter	Center Half	Leeward Quarter
Roof on Elevated Structure	Cp	0.13	-1	-0.5
	P (+GCpi) - psf	-1.36	-19.59	-11.49
	P (-GCpi) -psf	5.41	-12.81	-4.71
Roof Springing from Ground	Cp	0.42	-1	-0.5
	P (+GCpi) - psf	3.41	-19.59	-11.49
	P (-GCpi) -psf	3.41	-19.59	-11.49

Table 6-9 Force Coefficients for Monoslope Roofs over Open Buildings, Cf

Variable	Description	Value	
L	Roof dimension normal to wind direction	78.67	ft
B	Roof dimension parallel to wind direction	58.00	ft
L/B	Ratio of L to B	1.356	
Theta	Slope of Roof	26.6	Deg
Cf	Force Coefficient	1.14	
X	Distance to center of pressure from windward edge	0.40	ft

Project Summary
Entire House
SOUTHERN AIR SYSTEMS OF N.FL. INC.

Job:
Date: 2-22-09
By: M.M.

TRENTON, FL 32693 Phone: 352-463-8868

Project Information

For: PEDEN RESIDENCE
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	***96***	°F
Inside db	78	°F
Design TD	18	°F
Daily range	***M***	
Relative humidity	50	%
Moisture difference	51	gr/lb

Heating Summary

Building heat loss	40193	Btuh
Ventilation air	0	cfm
Ventilation air loss	0	Btuh
Design heat load	40193	Btuh

Sensible Cooling Equipment Load Sizing

Structure	35911	Btuh
Ventilation	0	Btuh
Design temperature swing	3.0	°F
Use mfg. data	n	
Rate/swing multiplier	1.01	
Total sens. equip. load	36271	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

	Heating	Cooling
Area (ft²)	2744	2744
Volume (ft³)	24287	24287
Air changes/hour	0.90	0.40
Equiv. AVF (cfm)	364	162

Latent Cooling Equipment Load Sizing

Internal gains	7820	Btuh
Ventilation	0	Btuh
Infiltration	5636	Btuh
Total latent equip. load	13456	Btuh
Total equipment load	49726	Btuh
Req. total capacity at 0.70 SHR	4.3	ton

Heating Equipment Summary

Make Trane
Trade Trane Weathertron - EPA
Model 2TWA2060A4

Efficiency	9.1	HSPF
Heating input		
Heating output	56000	Btuh @ 47°F
Temperature rise	25	°F
Actual air flow	2000	cfm
Air flow factor	0.050	cfm/Btuh
Static pressure	0.50	in H2O
Space thermostat		

Cooling Equipment Summary

Make Trane
Trade Trane Weathertron - EPA
Cond 2TWA2060A4
Coil TWE060P13

Efficiency	13	EER
Sensible cooling	41300	Btuh
Latent cooling	17700	Btuh
Total cooling	59000	Btuh
Actual air flow	***2000***	cfm
Air flow factor	0.056	cfm/Btuh
Static pressure	0.50	in H2O
Load sensible heat ratio	73	%

Bold/italic values have been manually overridden

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

Duct System Summary
Entire House
SOUTHERN AIR SYSTEMS OF N.FL. INC.

Job:
Date: 2-22-09
By: M.M.

TRENTON, FL 32693 Phone 352-463-8668

Project Information

For: PEDEN RESIDENCE
FL

	Heating	Cooling
External static pressure	***0.50*** in H2O	***0.50*** in H2O
Pressure losses	0.00 in H2O	0.00 in H2O
Available static pressure	0.50 in H2O	0.50 in H2O
Supply / return available pressure	0.25 / 0.25 in H2O	0.25 / 0.25 in H2O
Lowest friction rate	***0.100*** in/100ft	***0.100*** in/100ft
Actual air flow	2000 cfm	***2000*** cfm
Total effective length (TEL)	0 ft	

Supply Branch Detail Table

Name		Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
STUDY	h	3391	169	106	0.100	8	12x6	VlFx	0.0	0.0	st1
FOYER	h	1585	79	68	0.100	6	12x4	VlFx	0.0	0.0	st1
DINING ROOM	h	2910	145	101	0.100	8	12x6	VlFx	0.0	0.0	st1
PANTRY	h	1295	64	64	0.100	6	12x2	VlFx	0.0	0.0	st1
POWDER ROOM	c	2076	4	116	0.100	7	12x4	VlFx	0.0	0.0	st1
BEDROOM 2	h	2735	136	97	0.100	8	12x6	VlFx	0.0	0.0	st1
BATH	c	2448	40	136	0.100	8	12x6	VlFx	0.0	0.0	st1
W.I.C.	c	994	47	55	0.100	5	12x2	VlFx	0.0	0.0	st1
BEDROOM 3	h	2109	105	84	0.100	7	12x4	VlFx	0.0	0.0	st1
GREAT ROOM	h	5145	256	156	0.100	10	12x8	VlFx	0.0	0.0	st1
NOOK	h	3577	178	115	0.100	8	12x6	VlFx	0.0	0.0	st1
KITCHEN	c	2265	12	126	0.100	7	12x4	VlFx	0.0	0.0	st1
LAUNDRY	c	2261	12	126	0.100	7	12x4	VlFx	0.0	0.0	st1
MASTER SUITE-A	h	3057	152	116	0.100	8	12x6	VlFx	0.0	0.0	st1
MASTER SUITE	h	3057	152	116	0.100	8	12x6	VlFx	0.0	0.0	st1
W.I.C. 2	h	2625	131	123	0.100	7	12x4	VlFx	0.0	0.0	st1
MASTER BATH	c	2616	58	146	0.100	8	12x6	VlFx	0.0	0.0	st1
BONUS ROOM	h	4412	220	136	0.100	9	12x6	VlFx	0.0	0.0	st1
BATH (BONUS)	h	825	41	13	0.100	5	12x2	VlFx	0.0	0.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	2000	2000	0.100	667	22	12 x 36	RectFbg	

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	2000	2000	0.0	0.050	545	24	12x 44		VlFx	

SOUTHERN AIR SYSTEMS OF N. FL. INC.

6422 S.E. 62 nd. ct.
Trenton , Fl. 32693
352-463-8868
352-472-9551

Estimate

DATE	ESTIMATE #
2/23/2009	249

NAME / ADDRESS

CRAIG TERRY DWC CONTRACTING
PEDEN JOB

PROJECT

ITEM	DESCRIPTION	TOTAL
NEW CONSTRUCTION	TO FURNISH AND INSTALL 5 TON TRANE HEAT PUMP SPLIT SYSTEM PLUS DUCTWORK. SYSTEM TO BE VARIBLE SPEED AIR HANDLER WITH 14 S.E.E.R. CONDENSER TOTAL S.E.E.R. RATING 15.3 JOB INCLUDES : DIGITAL THERMOSTAT , 5 INCH FILTER , ULTRA VIOLET LIGHT TOTAL PRICE $ 12,900.00 OPTION : 4 TON TRANE HEAT PUMP SPLIT SYSTEM 15.3 S.E.E.R RATING FOR MAIN HOUSE BONUS ROOM , MINI SPLIT HEAT PUMP SPLIT SYSTEM 18 S.E.E.R. 4 TON UNIT COMES WITH SAME EXTRAS AS 5 TON SYSTEM TOTAL PRICE $ 4 TON UNIT $ 11,150.00 TOTAL PRICE $ MINI SPLIT UNIT $ 3,375.00 TOTAL PRICE $ 14,525.00	12,900.00

THANK YOU FOR ALLOWING US TO BID

$12,900.00

SIGNATURE _____

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIRMENTS

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

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

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

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

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

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			Items to Include- Each Box shall be Circled as Applicable		
				Yes	No	N/A
1	Two (2) complete sets of plans containing the following:			✓		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void			✓		
3	Condition space (Sq. Ft.) 2744		Total (Sq. Ft.) under roof 4071	IIIIIIII	IIIIIIII	IIIII

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

Site Plan information including:

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

Wind-load Engineering Summary, calculations and any details required

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	IIIIII YES	IIIII NO	IIIIII N/A
9	Basic wind speed (3-second gust), miles per hour	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding	✓		
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional.	✓		

Elevations Drawing including:

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

Floor Plan including:

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

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

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

FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.	✓		
32	Assumed load-bearing valve of soil_____ Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type)	✓		

FBCR 506: CONCRETE SLAB ON GRADE

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)			✓
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports			✓

FBCR 320: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. **Protection shall be provided by registered termiticides**			✓

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type	✓		
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	✓		

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	✓		
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers	✓		
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers	✓		
42	Attachment of joist to girder	✓		
43	Wind load requirements where applicable	✓		
44	Show required under-floor crawl space	✓		
45	Show required amount of ventilation opening for under-floor spaces	✓		
46	Show required covering of ventilation opening	✓		
47	Show the required access opening to access to under-floor spaces	✓		
	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &	✓		

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

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

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

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

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

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

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

FBCR ROOF ASSEMBLIES FRC Chapter 9

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

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. *Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area*

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable YES	NO	N/A
73	Show the insulation R value for the following areas of the structure	✓		
74	Attic space	✓		
75	Exterior wall cavity	✓		
76	Crawl space	✓		

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	✓		
78	Exhaust fans locations in bathrooms	✓		
79	Show clothes dryer route and total run of exhaust duct	✓		

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan	✓		
81	Show the location of water heater	✓		

Private Potable Water

82	Pump motor horse power	✓		
83	Reservoir pressure tank gallon capacity	✓		
84	Rating of cycle stop valve if used	✓		

Electrical layout shown including

85	Switches, outlets/receptacles, lighting and all required GFCI outlets identified	✓		
86	Ceiling fans	✓		
87	Smoke detectors & Carbon dioxide detectors	✓		
88	Service panel, sub-panel, location(s) and total ampere ratings	✓		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.	✓		

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

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

Notice Of Commencement

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

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

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

Section R101.2.1 of the Florida Building Code Residential:

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

Section 105 of the Florida Building Code defines the:

Time limitation of application.

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

Single-family residential dwelling.

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

Permit intent.

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

If work has commenced.

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

New Permit.

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

Work Shall Be:

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

The Fee:

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

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

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspectio

Contractor or Contractor's Authorized Agent Signature

Craig Terry
Print Name

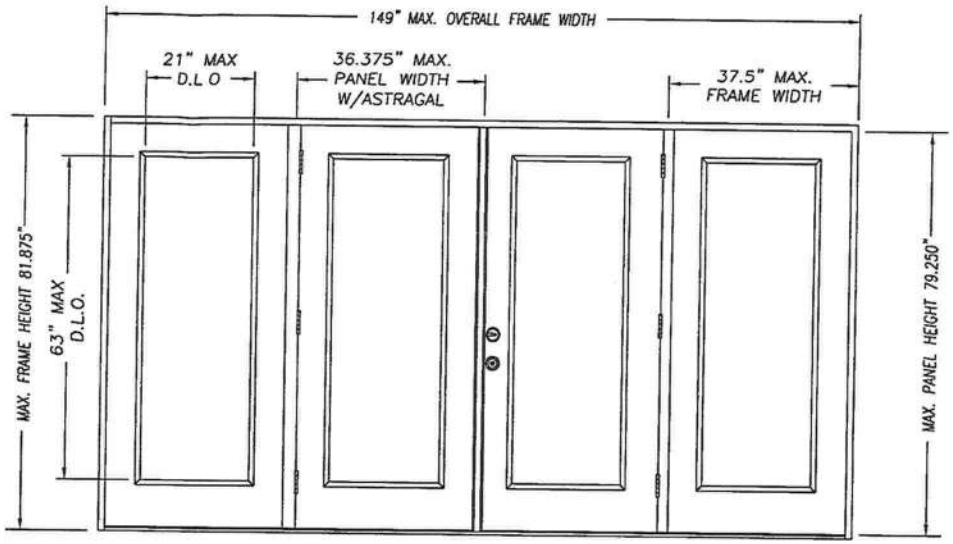
6-1-09
Date

296 SW Sterling Terr High Springs, FL 32643

FL # 4668.9

Masonite

SIDE-HINGED FIBERGLASS DOOR UNIT
6'-8" GLAZED DOUBLE DOOR WITH / WITHOUT SIDELITES



DOUBLE INSWING UNIT W/SIDELITES

GENERAL NOTES

1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED
2. HURRICANE PROTECTIVE SYSTEM (SHUTTERS) IS REQUIRED.
3. POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84 POLYSTYRENE CORE FLAME SPREAD INDEX OF 15 AND SMOKE DEVELOPED INDEX OF 115 PER ASTM E84.
4. PLASTICS TESTING OF FIBERGLASS FACING:

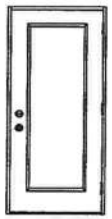
TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	803 °F > 650 °F
RATE OF BURNING	ASTM D635	0.79 IN/MIN
SMOKE DENSITY	ASTM D2843	48.9%
TENSILE STRENGTH*	ASTM D638	−7.3% DIFF

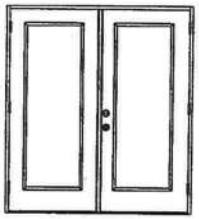
5. PLASTICS TESTING OF LITE FRAME MATERIAL:

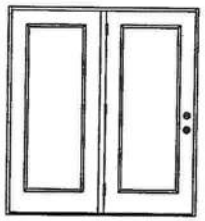
TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	680 °F > 650 °F
RATE OF BURNING	ASTM D635	1.10 IN/MIN
SMOKE DENSITY	ASTM D2843	69.6%
TENSILE STRENGTH*	ASTM D638	−7.48% DIFF

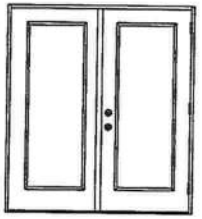
* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING 4500 HOURS XENON ARC METHOD 1

Addendum to NAMI
Certification No.: NI-00606.3R
Reviewed By:
Date Reviewed: 7/18/05


SINGLE DOOR UNIT


DOUBLE DOOR UNIT


SINGLE DOOR UNIT WITH SIDELITE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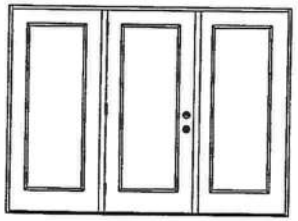

SINGLE DOOR UNIT W/SIDELITES

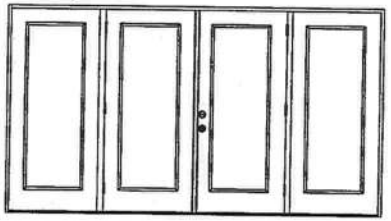

DOUBLE DOOR UNIT W/SIDELITES

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS

CONFIG	MAX WIDTH	DESIGN PRESSURE RATING		WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE		
		INSWING	OUTSWING	INSWING	OUTSWING	OUTSWING*
X	37.5"	+52.0 / −52.0	+55.0 / −55.0	+19.0 / −19.0	+40.0 / −40.0	+55.0 / −55.0
XX	74"	+52.0 / −52.0	+55.0 / −55.0	+19.0 / −19.0	+40.0 / −40.0	+55.0 / −55.0
OX or XO	75"	+52.0 / −52.0	+55.0 / −55.0	+19.0 / −19.0	+40.0 / −40.0	+55.0 / −55.0
OXO	112.5"	+52.0 / −52.0	+55.0 / −55.0	+19.0 / −19.0	+40.0 / −40.0	+55.0 / −55.0
OXXO	149"	+52.0 / −52.0	+55.0 / −55.0	+19.0 / −19.0	+40.0 / −40.0	+55.0 / −55.0

* High Dam Threshold Design

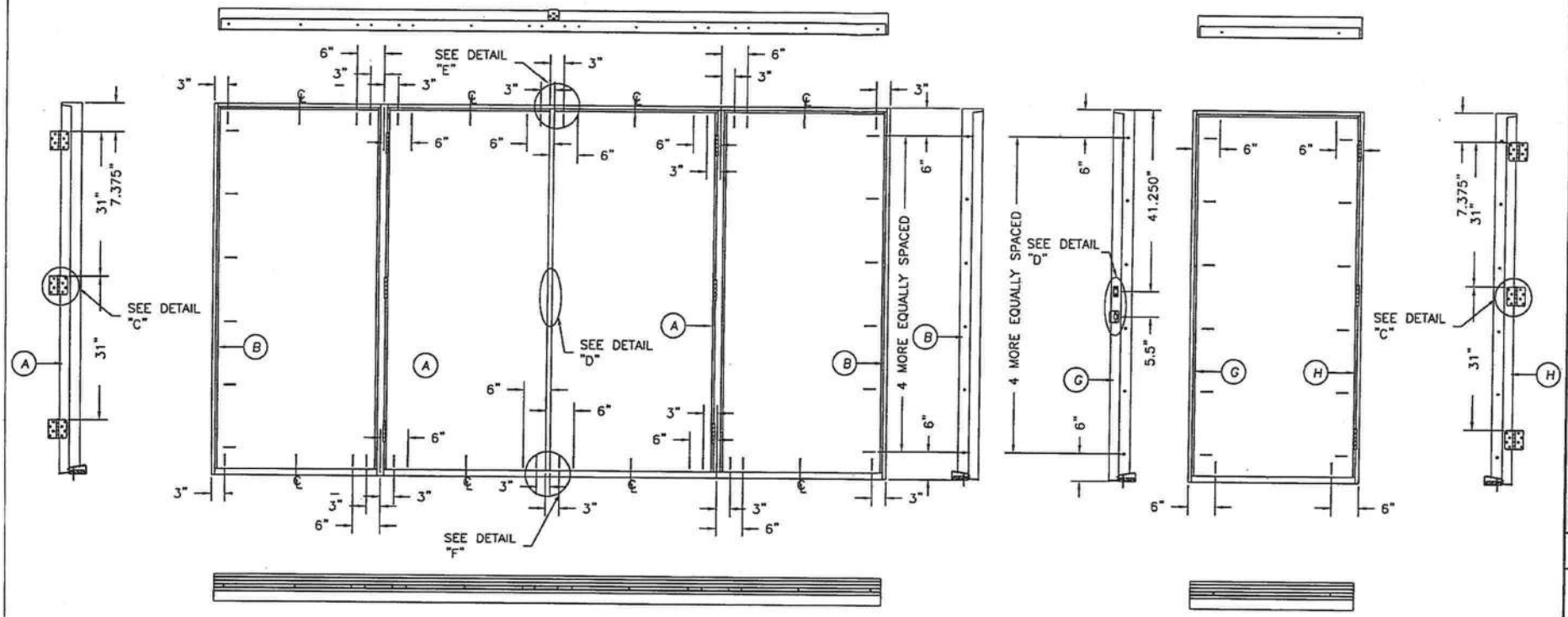
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

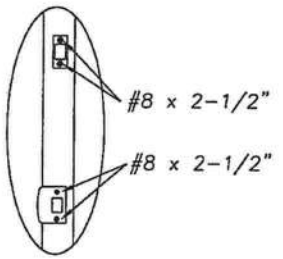
PRODUCT: "EXTERIOR DOOR PRODUCT" DOUBLE 6'8" GLAZED FIBERGLASS DOOR

PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES

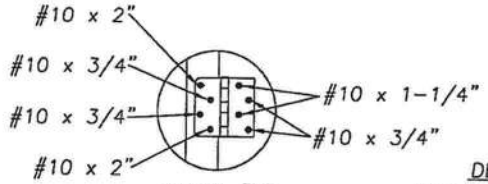
NO.	DATE	BY	REVISIONS

DATE: 5/25/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0126-05
SHEET 1 OF 3





DETAIL "D"



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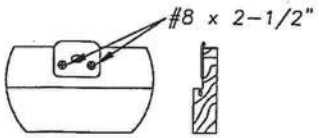
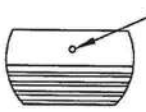


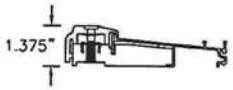
DETAIL "E" ASTRAGAL

ATTACH ASTRAGAL RETAINER BOLT STRIKE PLATE TO FRAME AS SHOWN.



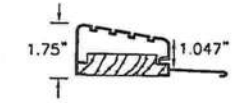
ASTRAGAL RETAINER BOLT HOLE MUST BE DRILLED THROUGH THE THRESHOLD & INTO THE STRUCTURE DEEP ENOUGH FOR A 1.375" THROW

DETAIL "F" ASTRAGAL



INSWING THRESHOLD

OUTSWING THRESHOLD



HIGH DAM O/S THRESHOLD

Addendum to NAMI
Certification No.: NI.006063R
Reviewed By:
Date Reviewed: 7/18/05

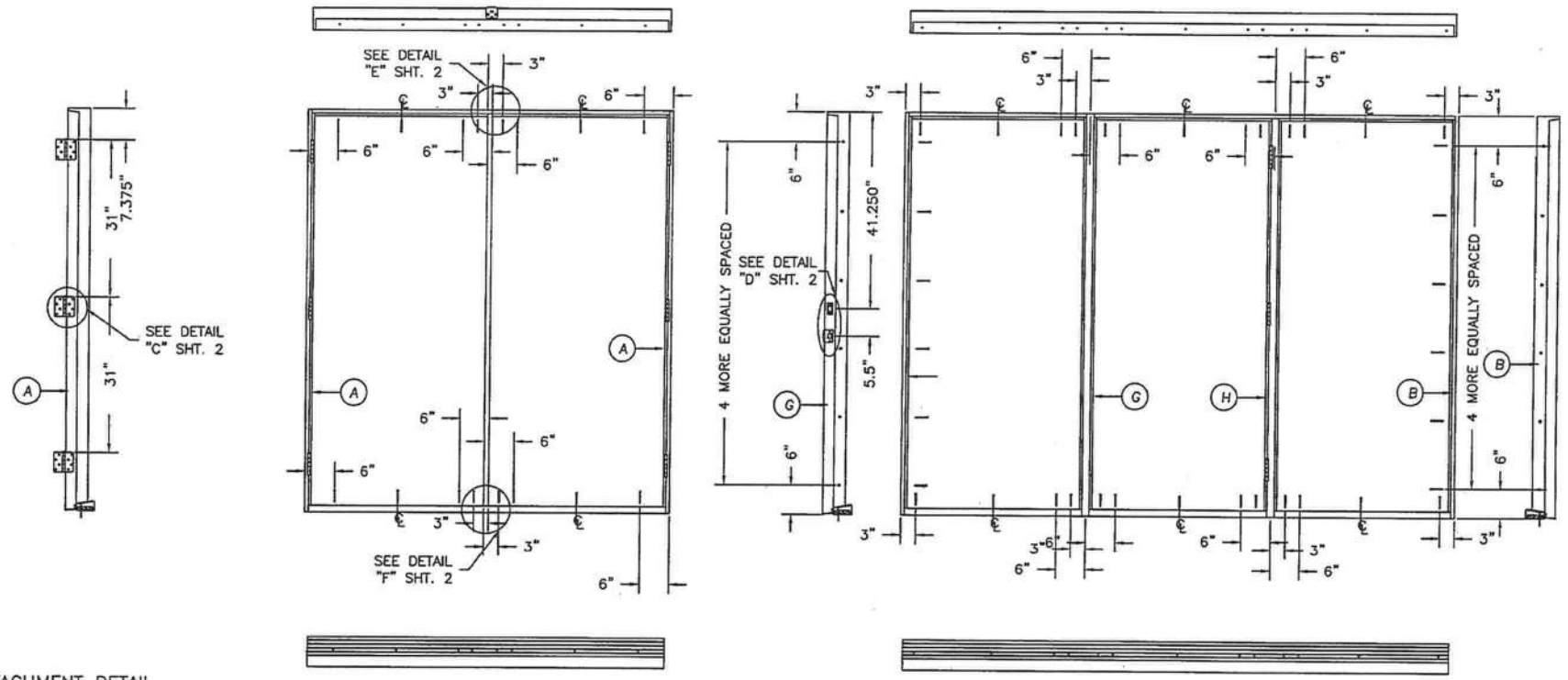
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

PRODUCT: "EXTERIOR DOOR PRODUCT" 6'-8" FIBERGLASS GLAZED DOUBLE DOOR UNIT

PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

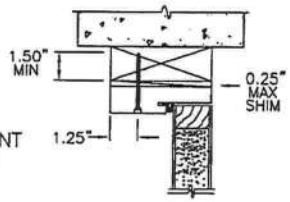
NO.	DATE	BY	REVISIONS

DATE: 5/25/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0126-05
SHEET 2 OF 3



ATTACHMENT DETAIL

1. ANCHOR ANALYSIS FOR LOADING CONDITIONS PREPARED, SIGNED AND SEALED BY HAROLD E. RUPP, PE (FLORIDA #15935) WITH THE LOWEST (LEAST) FASTENER RATING FROM THE DIFFERENT FASTENERS BEING CONSIDERED FOR USE. JAMB, HEAD, AND THRESHOLD FASTENERS ANALYZED FOR THIS UNIT INCLUDE #10 WOOD SCREWS OR 3/16" TAPCONS. A PHYSICAL SHIM MUST BE PLACED IN SHIM SPACE AT EACH ANCHOR LOCATION.
2. THE WOOD SCREW SINGLE SHEAR DESIGN VALUES COME FROM ANSI/AF&PA NDA FOR SOUTHERN PINE LUMBER AND ACHEIVEMENT OF 1-1/2" MINIMUM EMBEDMENT. THE TAPCON MUST ACHIEVE MINIMUM EMBEDMENT OF 1-1/4".
3. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE.
4. MINIMUM DESIGN VALUE STRENGTH OF ANCHORS 171 LBS.



TYPICAL ANCHOR INSTALLATION

HARDWARE SCHEDULE

1.	KWIKSET OR SCHLEGE ANSI/BHMA GRADE 3 OR BETTER CYLINDRICAL AND DEADLOCK HARDWARE TO BE INSTALLED AT 5-1/2" CENTERLINE.
2.	4" X 4" FULL MORTISE BUTT HINGES.

Addendum to NAMI
Certification No.: NI 00606R
Reviewed By:
Date Reviewed: 7/18/05

MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

PRODUCT: "EXTERIOR DOOR PRODUCT" 6'-8" FIBERGLASS GLAZED DOUBLE DOOR UNIT

PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

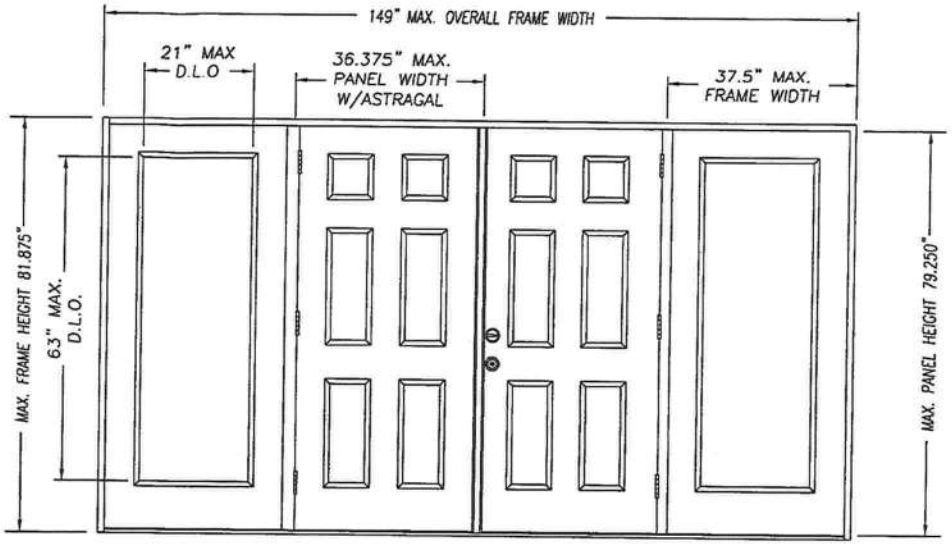
NO.	DATE	BY	REVISIONS

DATE: 5/25/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0126-05
SHEET 3 OF 3

FL # 4668.5

Masonite®

SIDE-HINGED FIBERGLASS DOOR UNIT
6'-8" DOUBLE DOOR WITH / WITHOUT SIDELITES



DOUBLE INSWING UNIT W/SIDELITES

GENERAL NOTES

1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED
2. HURRICANE PROTECTIVE SYSTEM (SHUTTERS) IS REQUIRED.
3. POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84. POLYSTYRENE CORE FLAME SPREAD INDEX OF 15 AND SMOKE DEVELOPED INDEX OF 115 PER ASTM E84
4. PLASTICS TESTING OF FIBERGLASS FACING:

TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	803 °F > 650 °F
RATE OF BURNING	ASTM D635	0.79 IN/MIN
SMOKE DENSITY	ASTM D2843	48.9%
TENSILE STRENGTH*	ASTM D638	−7.3% DIFF

5. PLASTICS TESTING OF LITE FRAME MATERIAL:

TEST DESCRIPTION	DESIGNATION	RESULT
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RATE OF BURNING	ASTM D635	1.10 IN/MIN
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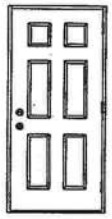
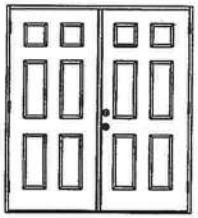
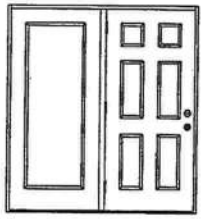
TENSILE STRENGTH*	ASTM D638	−7.48% DIFF

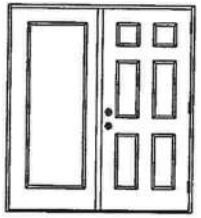
* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING 4500 HOURS XENON ARC METHOD 1

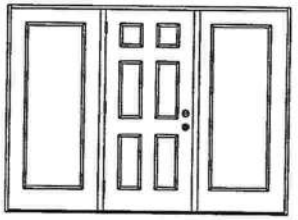
Addendum to NAMI
Certification No.: NI00606 3R
Reviewed By:
Date Reviewed: 7/18/05


SINGLE DOOR UNIT


DOUBLE DOOR UNIT


SINGLE DOOR UNIT WITH SIDELITE


SINGLE DOOR UNIT WITH SIDELITE


SINGLE DOOR UNIT W/SIDELITES

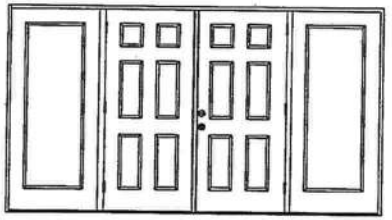

DOUBLE DOOR UNIT W/SIDELITES

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS

CONFIG	MAX WIDTH	DESIGN PRESSURE RATING		WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE		
		INSWING	OUTSWING	INSWING	OUTSWING	OUTSWING*
X	37.5"	+70.0 / −70.0	+70.0 / −70.0	+19.0 / −19.0	+70.0 / −70.0	+70.0 / −70.0
XX	74"	+50.5 / −50.5	+55.0 / −50.5	+19.0 / −19.0	+40.0 / −40.0	+55.0 / −50.5
OX or XO	75"	+50.5 / −50.5	+55.0 / −50.5	+19.0 / −19.0	+40.0 / −40.0	+55.0 / −50.5
OXO	112.5"	+50.5 / −50.5	+55.0 / −50.5	+19.0 / −19.0	+40.0 / −40.0	+55.0 / −50.5
OXXO	149"	+50.5 / −50.5	+55.0 / −50.5	+19.0 / −19.0	+40.0 / −40.0	+55.0 / −50.5

* High Dam Threshold Design

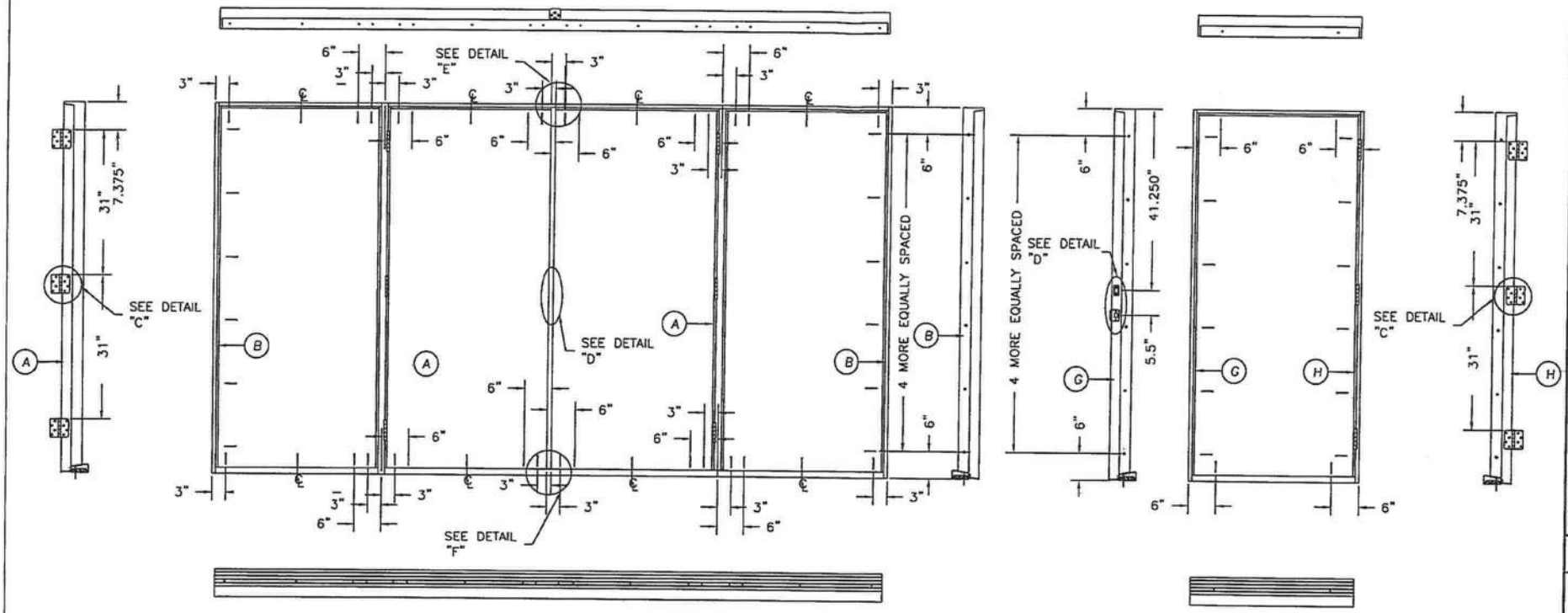
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

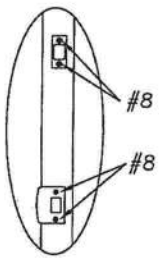
PRODUCT: "EXTERIOR DOOR PRODUCT" DOUBLE 6'8" OPAQUE FIBERGLASS DOOR

PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES

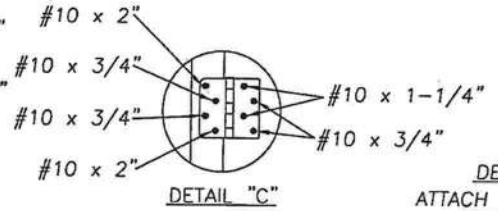
NO.	DATE	REVISIONS	BY

DATE: 5/25/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO: DWG-MA-FL0124-05
SHEET 1 OF 3





DETAIL "D"



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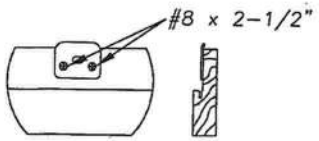
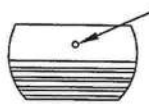


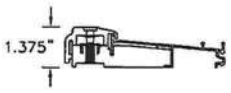
DETAIL "E" ASTRAGAL

ATTACH ASTRAGAL RETAINER BOLT STRIKE PLATE TO FRAME AS SHOWN.



ASTRAGAL RETAINER BOLT HOLE MUST BE DRILLED THROUGH THE THRESHOLD & INTO THE STRUCTURE DEEP ENOUGH FOR A 1.375" THROW

DETAIL "F" ASTRAGAL



INSWING THRESHOLD

OUTSWING THRESHOLD

HIGH DAM O/S THRESHOLD

Addendum to NAMI
Certification No: NI.00606.03R
Reviewed By:
Date Reviewed: 7/18/05

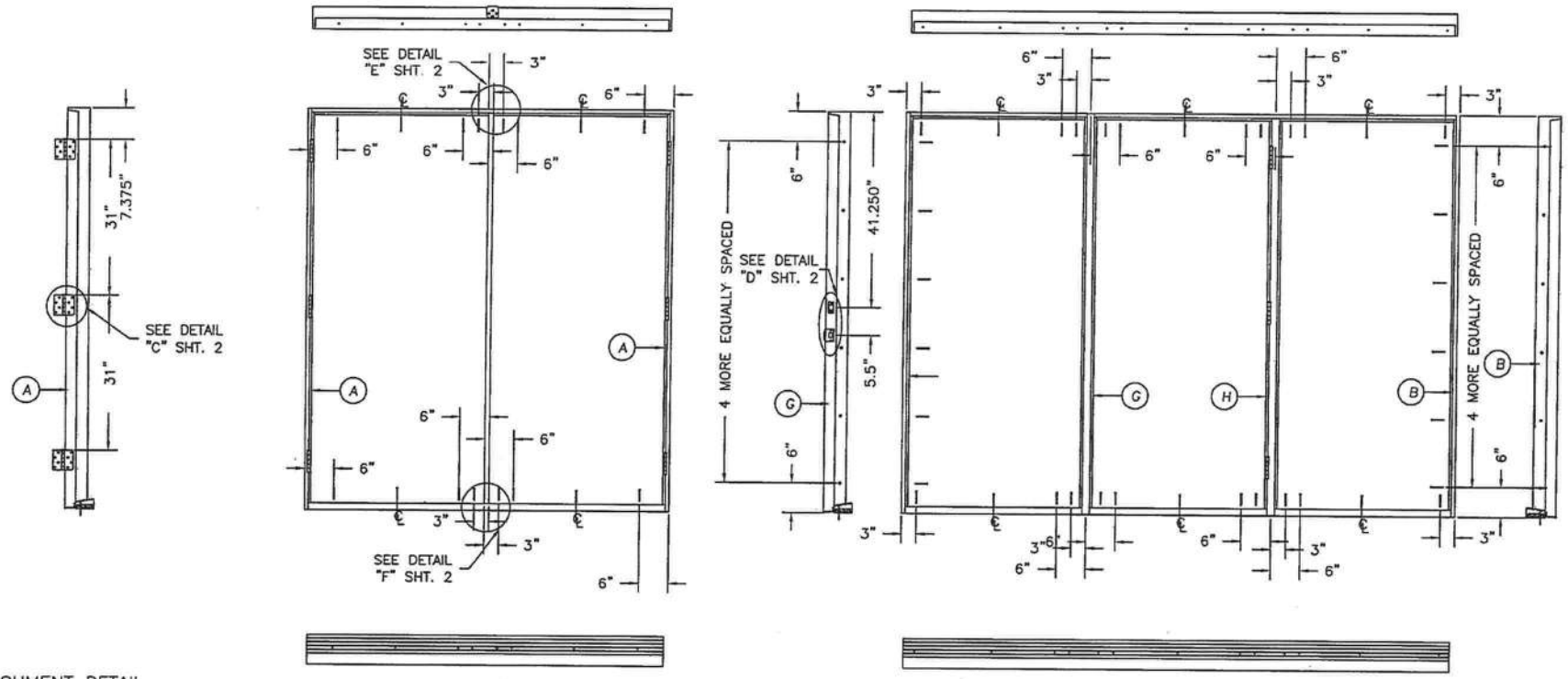
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

PRODUCT: "EXTERIOR DOOR PRODUCT" 6'-8" FIBERGLASS OPAQUE DOUBLE DOOR UNIT

PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

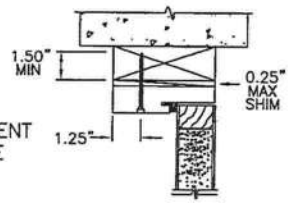
NO.	DATE	BY	REVISIONS

DATE: 5/25/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO: DWG-MA-FL0124-05
SHEET 2 OF 3



ATTACHMENT DETAIL

1. ANCHOR ANALYSIS FOR LOADING CONDITIONS PREPARED, SIGNED AND SEALED BY HAROLD E. RUPP, PE (FLORIDA #15935) WITH THE LOWEST (LEAST) FASTENER RATING FROM THE DIFFERENT FASTENERS BEING CONSIDERED FOR USE. JAMB, HEAD, AND THRESHOLD FASTENERS ANALYZED FOR THIS UNIT INCLUDE #10 WOOD SCREWS OR 3/16" TAPCONS. A PHYSICAL SHIM MUST BE PLACED IN SHIM SPACE AT EACH ANCHOR LOCATION.
2. THE WOOD SCREW SINGLE SHEAR DESIGN VALUES COME FROM ANSI/AF&PA NDA FOR SOUTHERN PINE LUMBER AND ACHEIVEMENT OF 1-1/2" MINIMUM EMBEDMENT. THE TAPCON MUST ACHIEVE MINIMUM EMBEDMENT OF 1-1/4".
3. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE.
4. MINIMUM DESIGN VALUE STRENGTH OF ANCHORS 171 LBS.



TYPICAL ANCHOR INSTALLATION

HARDWARE SCHEDULE

1.	KWIKSET OR SCHLEGE ANSI/BHMA GRADE 3 OR BETTER CYLINDRICAL AND DEADLOCK HARDWARE TO BE INSTALLED AT 5-1/2" CENTERLINE.
2.	4" X 4" FULL MORTISE BUTT HINGES.

Addendum to NAMI
Certification No.: NI00606.3R
Reviewed By:
Date Reviewed: 7/18/05

MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

PRODUCT: "EXTERIOR DOOR PRODUCT" 6'-8" FIBERGLASS OPAQUE DOUBLE DOOR UNIT
PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

NO.	DATE	BY
REVISIONS		

DATE: 5/25/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0124-05
SHEET 3 OF 3

HURRICANE TEST LABORATORY, LLC
TESTING AND EVALUATION SOLUTIONS
6655 Garden Rd.
Riviera Beach, FL 33404
(561) 881-0020
Fax (561) 881-0075
www.htltest.com

MANUFACTURER IDENTIFICATION

FL #8114

1.0 NAME OF APPLICANT: YKK AP AMERICA
332 Firetower Rd.
Dublin, GA 31021
(478) 277-2515

2.0 CONTACT PERSON: Masanori Moriya / Jin Goto

3.0 HTL TEST NOTIFICATION #: N/A

4.0 HTL LAB CERTIFICATION: Miami-Dade County (05-1014.01); Florida Building Code (TST1527); AAMA; WDMA; Keystone Certifications, IAS (TL-244)

PRODUCT IDENTIFICATION

5.0 Product Type: Single Hung Window

6.0 Model: YKK AP America Style View Window System

7.0 Performance Class and Sizes:

HTL Specimen #	AAMA Performance Class	Overall Size
F-1	H-R-50	40" (w) x 71-1/2" (h)
F-3		47-1/2" (w) x 71-1/2" (h)

8.0 Configuration and Vent Sizes:

HTL Specimen #	Configuration	Operable Vents
F-1	O/X	37-7/32" (w) x 35-7/16" (h)
F-3		44-23/32" (w) x 35-7/16" (h)

9.0 Drawing: This test report is incomplete without the attached YKK AP America drawing #PE5-7000-0103 and PE5-7000-0104 each bearing the raised seal of Hurricane Test Laboratory, LLC.

10.0 Sample Source: Samples provided by YKK AP AMERICA, Inc.

PRODUCT DESCRIPTION

11.0 Frame Construction: The frame used in this sample was fabricated using the following extrusions:

Description	Part #	Material
Frame Head	PE5-7001	PVC (Rigid)
Frame Sill	PE5-7002	
Sill Nose	PE5-7017	
Frame Jambs	PE5-7003	

The following (typical) procedures were used when assembling this frame:
Frame Assembly: At each frame corner member ends were miter cut and fusion welded together.
Joint Sealant: None used.

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2/19/2007
Vinu J. Abraham, P.E.
FL Reg. # 53820

12.0 Operable Sash Construction: The operable sash frame used in this sample was fabricated using the following extrusions:

Description	Part #	Material
Interlock Rail	PE5-7007	PVC (Rigid)
Bottom Rail	PE5-7009	
Stile	PE5-7008	
Interlock Rail Reinforcement	E9-5502	6063-T5
Stile Reinforcement	E9-5502	6063-T5

The following (typical) procedures were used when assembling the operable sash:
Sash Assembly: At each frame corner member ends were miter cut and fusion welded together.
Joint Sealant: None used.
Reinforcements: The aluminum reinforcements used in the operable sash slid into their respective members and were mechanically secured in place using 2 (two), #8 x ½" FH SS SMS.
The lite of glass used in the operable sash was exterior glazed using the following extrusion:

Description	Part #	Material	Attachment Method
Glass Stop	PE5-7010	PVC (Rigid)	Snap fit

13.0 Fixed Sash Construction: The fixed sash frame used in this sample was fabricated using the following extrusions:

Description	Part #	Material
Top Rail and Stiles	PE5-7005	PVC (Rigid)
Interlock Rail	PE5-7006	
Interlock Rail Reinforcement	E9-5501	6063-T5
Sash Clip	E1-5015	

The following (typical) procedures were used when assembling the fixed window:
Sash Assembly: At each frame corner member ends were miter cut and fusion welded together.
Joint Sealant: None used.
Reinforcement: The aluminum reinforcement used in the fixed sash slid into the interlock rail and was mechanically secured in place using 2 (two), #8 x ½" PH SS SMS.
Sash Clip: The sash clip snapped into the fixed sash's top rail and stiles and was then inserted into the frame in order to hold the fixed sash in place.
The lite of glass used in the fixed sash was exterior glazed using the following extrusion:

Description	Part #	Material	Attachment Method
Glass stop	PE5-7010	PVC (Rigid)	Snap fit

14.0 Glazing:

14.1 Glazing Material: The glazing material used in all areas in this test specimen was 3/4" thick (overall) insulated glass:

14.1.2 Glass: ¾" Insulated Glass with the following components:

- 1/8" Low-E annealed glass
- 1/2" air space
- 1/8" clear annealed glass

14.2 Glazing Method: Each lite of glass used in this test specimen was inside glazed as follows:
Interior Side: Using a continuous bead of Tremsil 600 silicone sealant.

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TEST RESULTS

21.0 SUMMARY OF RESULTS:

Specimen # F-1			
Test Method	**Test Conditions**	**Measured**	**Allowed**
Uniform Load Deflection Test (ASTM E330)	+ 50 psf	**Deflection**	
		Right Stile of Bottom Vent	
		0.43"	n/a
		Interlock Rail	
		0.29"	n/a
		Bottom Rail of Bottom Vent	
		0.08"	n/a
	- 50 psf	**Deflection**	
		Right Stile of Bottom Vent	
		0.06"	n/a
		Interlock Rail	
		0.46'	n/a
		Bottom Rail of Bottom Vent	
		0.06'	n/a
Uniform Load Structural Test (ASTM E330)	+ 75 psf	**Permanent Set**	
		Right Stile of Bottom Vent	
		0.04'	0.14'
		Interlock Rail	
		0.06"	0.16'
		Bottom Rail of Bottom Vent	
		0.01"	0.16'
	- 75 psf	**Permanent Set**	
		Right Stile of Bottom Vent	
		0.03"	0.14'
		Interlock Rail	
		0.06'	0.16'
		Bottom Rail of Bottom Vent	
		0.02"	0.16'

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representative sections of the test specimen will be retained at HTL for a period of ten (10) years. All results obtained apply only to the specimen tested and they do indicate compliance with the performance requirements of the test methods and specifications listed in the following section. Please note that a copy of this report will be forwarded to the AAMA Validator if requested and that this report does not constitute AAMA certification of this product, which may only be granted by the AAMA Validator.

23.0 APPLICABLE CODES, STANDARDS & TEST METHODS:

ASTM E330-02 - Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.

AAMA/WDMA/CSA/101/I.S.2/A440-05 – Standard/Specification for windows, doors and unit skylights

AAMA 101/I.S.2-97 - Voluntary Specifications for Aluminum, Vinyl (PVC), and Wood Windows and Glass Doors

24.0 LIST OF OFFICIAL OBSERVERS:

Vinu J. Abraham, P.E. – HTL, General Manager
José E. Colón, E.I. – HTL, Operations Manager
Ian McKenzie – HTL
Kevin Rouse – HTL
Jin Goto – YKK AP

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Specimen # F-3			
Test Method	**Test Conditions**	**Measured**	**Allowed**
Uniform Load Deflection Test (ASTM E330)	+ 50 psf	**Deflection**	
		Right Stile of Bottom Vent	
		0.29"	n/a
		Interlock Rail	
		0.95"	n/a
		Bottom Rail of Bottom Vent	
		0.11'	n/a
	- 50 psf	**Deflection**	
		Right Stile of Bottom Vent	
		0	n/a
		Interlock Rail	
		0.96"	n/a
		Bottom Rail of Bottom Vent	
		0.18'	n/a
Uniform Load Structural Test (ASTM E330)	+ 75 psf	**Permanent Set**	
		Right Stile of Bottom Vent	
		0.05"	0.14"
		Interlock Rail	
		0.12"	0.19'
		Bottom Rail of Bottom Vent	
		0.01'	0.19"
	- 75 psf	**Permanent Set**	
		Right Stile of Bottom Vent	
		0.03"	0.14'
		Interlock Rail	
		0.16"	0.19'
		Bottom Rail of Bottom Vent	
		0.07"	0.19'

MISCELLANEOUS INFORMATION

22.0 CERTIFICATION & DISCLAIMER STATEMENT:

All tests performed on this test specimen were conducted in accordance with the specifications of the applicable codes, standards & test methods listed below by the Hurricane Test Laboratory, LLC located at 6655 Garden Road, Riviera Beach, FL 33404. HTL does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products tested at HTL. HTL is not owned, operated or controlled by any company manufacturing or distributing products it tests. This report is only intended for the use of the entity named in section 1.0 of this report. Detailed assembly drawings showing wall thickness of all members, corner construction and hardware applications are on file and have been compared to the test specimen submitted. A copy of this test report along with

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15.0 Daylight Opening:

HTL Specimen #	Operable Vent	Fixed Vent	Glass Bite
F-1	33-27/32" (w) x 32-1/16" (h)	33-27/32" (w) x 32-1/16" (h)	½"
F-3	41-11/32" (w) x 32-1/16" (h)	41-11/32" (w) x 32-1/16" (h)	

16.0 Weather-stripping:

Location	Description
Interlock stile in raceway included in extrusion.	Pile weather strip (Part # E2-5001)
Exterior of vent stiles and rails in raceway included in extrusion.	
Frame (head and sill) in raceway included in extrusion	
Bottom of vent	TPE Gasket (Part # E2-5003)

17.0 Hardware:

Location	Description
Attached to the ¼ points from each end of the interlock rail (in) using two (2), #8 x ½" PH SS SMS	Lock (Part #E1-5013)
Attached to the interlock rail (out) using two (2), # 8 x ¼" FH SS SMS	Keeper (Part #E1-5014)
Attached to the frame jambs using three (3), # 8 x 1" FH SS SMS	Coil Balance (Part # E1-5003)

18.0 Weep/Cover Holes:

Qty.	Location	Description
2	On top vent interlock rail, 2" away from the corners	¼" diameter hole
2	On bottom vent bottom rail, 2" away from the corners.	¼" diameter hole

19.0 Muntins: Dividers used inside insulated glass.

PRODUCT INSTALLATION

20.0 The window frame was installed into the wood opening through the nailing flange as follows:

Location	Fastener Description	Fastener Schedule
Frame Head, Jambs, and Sill	#8 x ¾" PH SS SMS	4" away from each end and at 4" on center thereafter.

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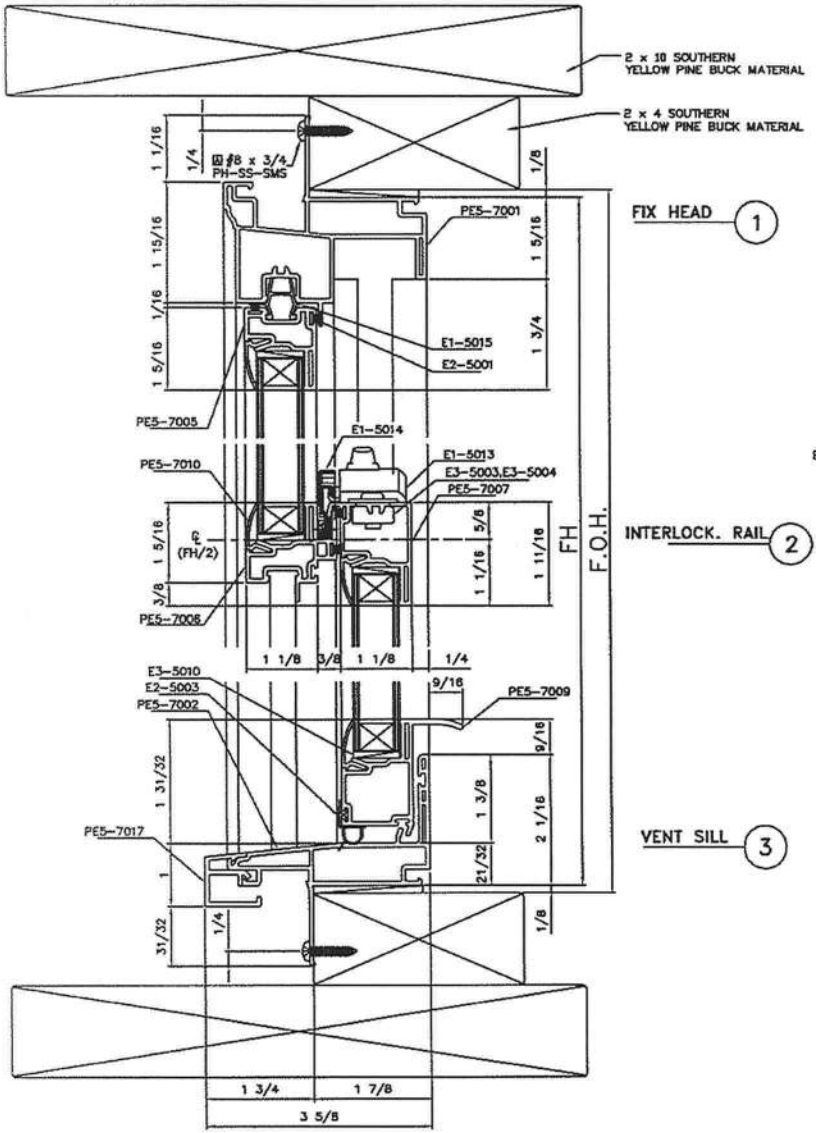
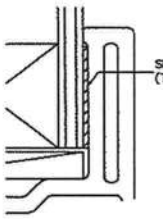
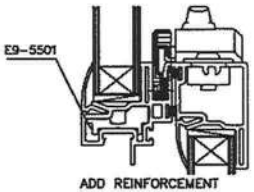
REV.	DESCRIPTION	BY	DATE
A	ADD SCREW	JG	01/12/07

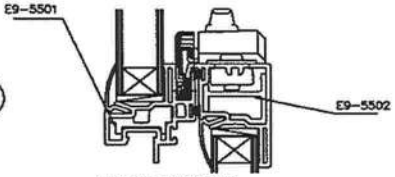




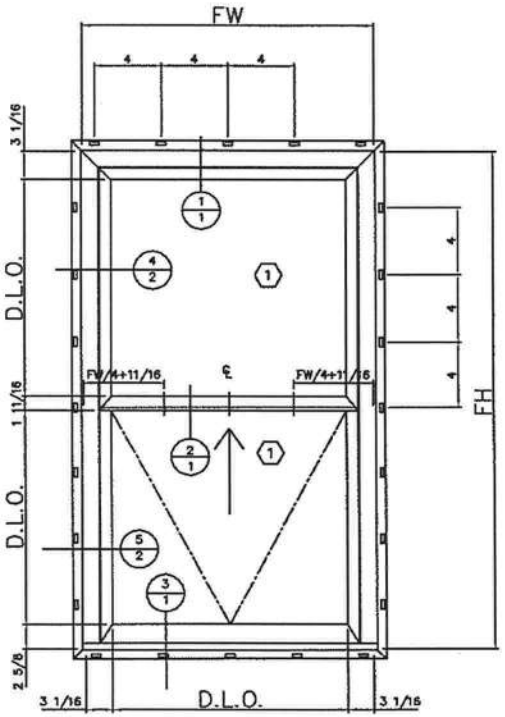
GLAZING DETAILE (4/1)



ADD REINFORCEMENT SH4050 , SH3872



ADD REINFORCEMENT SH4072 ,SH4850 ,SH4872



ELEVATION

(1) TEST (AAMA 101) FOR DP-50

(1) GLASS TYPE: 3/4" INSULATED UNIT
1-A : 3/32" LOW-E.AN X 9/16" AIR X 3/32" CLR.AN (SH3050 , SH3072 ,SH4050 , SH4850)
1-B : 1/8" LOW-E.AN X 1/2" AIR X 1/8" CLR.AN (SH3872 ,SH4072 ,SH4872)
◎ (FW- 5 5/32") x (FH/2-2 11/16")

● - INDICATES LOCK LOCATION
FW<36" ONE LOCK(CENTER)
FW>36" TWO LOCK(FW/4-11/16)

Hurricane Test Laboratory
HTL LLC
AS TESTED UNLESS OTHERWISE NOTED
Date 2/27/07
Job# G231-2406-06
G231-7102-06

YKK AP

SYSTEM	SCALE
STYLE VIEW	1/2
DESCRIPTION: SINGLE HUNG (DP50)	
DRAWING NUMBER: PE5-7000-0103	REV.
APPROVED BY: M.M / DRAWN BY: J.GOTO / DATE: 03/16/06	SHEET NO. 1 OF 2

Product Approval Method: Method 1 Option A

Application Status: Approved
Date Validated: 06/20/2005
Date Approved: 06/29/2005
Date Certified to the 2004 Code:

Page: Go

App/Seq #	Product Model # or Name	Model Description	Limits of Use
1956.1	Elite Glass-Seal AR	A heavy weight 3 tab asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.2	Glass-Seal AR	A 3 tab asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.3	Heritage 30 AR	A heavy weight dimensional asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.4	Heritage 40 AR	A heavy weight dimensional asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.5	Heritage 50 AR	A heavy weight dimensional asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.6	Heritage Declaration	A heavy weight triple laminate asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.7	Heritage XL	A heavy weight dimensional asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.

Next

Project Summary
Entire House
SOUTHERN AIR SYSTEMS OF N.FL. INC.

Job:
Date: 2-22-09
By: M.M.

TRENTON, FL 32693 Phone 352-463-8868

Project Information

For: PEDEN RESIDENCE
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	***96*** °F
Inside db	78 °F
Design TD	18 °F
Daily range	***M***
Relative humidity	50 %
Moisture difference	51 gr/lb

Heating Summary

Building heat loss	40193 Btuh
Ventilation air	0 cfm
Ventilation air loss	0 Btuh
Design heat load	40193 Btuh

Sensible Cooling Equipment Load Sizing

Structure	35911 Btuh
Ventilation	0 Btuh
Design temperature swing	3.0 °F
Use mfg. data	n
Rate/swing multiplier	1.01
Total sens. equip. load	36271 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

	Heating	Cooling
Area (ft²)	2744	2744
Volume (ft³)	24287	24287
Air changes/hour	0.90	0.40
Equiv. AVF (cfm)	364	162

Latent Cooling Equipment Load Sizing

Internal gains	7820 Btuh
Ventilation	0 Btuh
Infiltration	5636 Btuh
Total latent equip. load	13456 Btuh
Total equipment load	49726 Btuh
Req. total capacity at 0.70 SHR	4.3 ton

Heating Equipment Summary

Make	Trane
Trade	Trane Weathertron - EPA
Model	2TWA2060A4
Efficiency	9.1 HSPF
Heating input	
Heating output	56000 Btuh @ 47°F
Temperature rise	25 °F
Actual air flow	2000 cfm
Air flow factor	0.050 cfm/Btuh
Static pressure	0.50 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Trane
Trade	Trane Weathertron - EPA
Cond	2TWA2060A4
Coil	TWE060P13
Efficiency	13 EER
Sensible cooling	41300 Btuh
Latent cooling	17700 Btuh
Total cooling	59000 Btuh
Actual air flow	***2000*** cfm
Air flow factor	0.056 cfm/Btuh
Static pressure	0.50 in H2O
Load sensible heat ratio	73 %

Bold/italic values have been manually overridden

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

Duct System Summary
Entire House
SOUTHERN AIR SYSTEMS OF N.FL. INC.

Jobx
Date: 2-22-09
By: M.M.

TRENTON, FL 32693 Phone 352-463-8668

Project Information

For: PEDEN RESIDENCE
FL

	Heating	Cooling
External static pressure	***0.50*** in H2O	***0.50*** in H2O
Pressure losses	0.00 in H2O	0.00 in H2O
Available static pressure	0.50 in H2O	0.50 in H2O
Supply / return available pressure	0.25 / 0.25 in H2O	0.25 / 0.25 in H2O
Lowest friction rate	***0.100*** in/100ft	***0.100*** in/100ft
Actual air flow	2000 cfm	***2000*** cfm
Total effective length (TEL)	0 ft	

Supply Branch Detail Table

Name		Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
STUDY	h	3391	169	106	0.100	8	12x6	VIFx	0.0	0.0	st1
FOYER	h	1585	79	68	0.100	6	12x4	VIFx	0.0	0.0	st1
DINING ROOM	h	2910	145	101	0.100	8	12x6	VIFx	0.0	0.0	st1
PANTRY	h	1295	64	64	0.100	6	12x2	VIFx	0.0	0.0	st1
POWDER ROOM	c	2076	4	116	0.100	7	12x4	VIFx	0.0	0.0	st1
BEDROOM 2	h	2735	136	97	0.100	8	12x6	VIFx	0.0	0.0	st1
BATH	c	2448	40	136	0.100	8	12x6	VIFx	0.0	0.0	st1
W.I.C.	c	994	47	55	0.100	5	12x2	VIFx	0.0	0.0	st1
BEDROOM 3	h	2109	105	84	0.100	7	12x4	VIFx	0.0	0.0	st1
GREAT ROOM	h	5145	256	156	0.100	10	12x8	VIFx	0.0	0.0	st1
NOOK	h	3577	178	115	0.100	8	12x6	VIFx	0.0	0.0	st1
KITCHEN	c	2265	12	126	0.100	7	12x4	VIFx	0.0	0.0	st1
LAUNDRY	c	2261	12	126	0.100	7	12x4	VIFx	0.0	0.0	st1
MASTER SUITE-A	h	3057	152	116	0.100	8	12x6	VIFx	0.0	0.0	st1
MASTER SUITE	h	3057	152	116	0.100	8	12x6	VIFx	0.0	0.0	st1
W.I.C. 2	h	2625	131	123	0.100	7	12x4	VIFx	0.0	0.0	st1
MASTER BATH	c	2616	58	146	0.100	8	12x6	VIFx	0.0	0.0	st1
BONUS ROOM	h	4412	220	136	0.100	9	12x6	VIFx	0.0	0.0	st1
BATH (BONUS)	h	825	41	13	0.100	5	12x2	VIFx	0.0	0.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	2000	2000	0.100	667	22	12 x 36	RectFbg	

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	2000	2000	0.0	0.050	545	24	12x 44		VlFx	

SOUTHERN AIR SYSTEMS OF N. FL. INC.

6422 S.E. 62 nd. ct.
Trenton , Fl. 32693
352-463-8868
352-472-9551

Estimate

DATE	ESTIMATE #
2/23/2009	249

NAME / ADDRESS

CRAIG TERRY DWC CONTRACTING
PEDEN JOB

PROJECT

ITEM	DESCRIPTION	TOTAL
NEW CONSTRUCTION	TO FURNISH AND INSTALL 5 TON TRANE HEAT PUMP SPLIT SYSTEM PLUS DUCTWORK. SYSTEM TO BE VARIBLE SPEED AIR HANDLER WITH 14 S.E.E.R. CONDENSER TOTAL S.E.E.R. RATING 15.3 JOB INCLUDES : DIGITAL THERMOSTAT , 5 INCH FILTER , ULTRA VIOLET LIGHT TOTAL PRICE $ 12,900.00 OPTION : 4 TON TRANE HEAT PUMP SPLIT SYSTEM 15.3 S.E.E.R RATING FOR MAIN HOUSE BONUS ROOM , MINI SPLIT HEAT PUMP SPLIT SYSTEM 18 S.E.E.R. 4 TON UNIT COMES WITH SAME EXTRAS AS 5 TON SYSTEM TOTAL PRICE $ 4 TON UNIT $ 11,150.00 TOTAL PRICE $ MINI SPLIT UNIT $ 3,375.00 TOTAL PRICE $ 14,525.00	12,900.00

THANK YOU FOR ALLOWING US TO BID

$12,900.00

SIGNATURE _____

27895

ARROW EXTERMINATORS
TERMITE AND PEST CONTROL

5602 N.W. 13th STREET
GAINESVILLE, FLORIDA 32653-2198

P.O. BOX 5875
GAINESVILLE, FLORIDA 32627-5875

PHONE (352) 373-3642
FAX (352) 373-9037

965-5396

CERTIFICATE OF PROTECTIVE TREATMENT

Builder: DWC Contractor

Date: 7/17/09 Time: 9-10 (AM) PM

Site Location: 262 SW Sterling Terr (High Springs)

Area Treated: Slab, Block Voids

Product Used: Talstar P. Chemical Used: B.Fenthion

% Concentration: .06 # Gallons Used: 550

Applicator: Charlie