

Columbia County Building Permit Application

For Office Use Only Application # 0609-07 Date Received 9-25-06 By LH Permit # 25097
 Application Approved by - Zoning Official BZK Date 27.09.06 Plans Examiner OK JTH Date 10-10-06
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments MH to be Removed within 45 days of CO being issued for Home

(Existing Well)
 CK# 10551 Fax - 386-462-4503
 Cell - 352-538-6929

Applicants Name Ronald Clark Phone 352-538-6929
 Address 15816 NW CR 1491, ALACHUA, FL 32615
 Owners Name Randolph Bell Phone 386-454-5225
 911 Address 3261 SW Fry Ave, Ft. White, FL 32038
 Contractors Name Ronald Clark Construction, Inc. Phone 352-538-6929
 Address 15816 NW CR 1491 Alachua FL 32615

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address NA

Mortgage Lenders Name & Address Countrywide Home Loans - 6400 Legacy Drive MS PTX 9-137 Plano, TX 75024

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

Property ID Number 22-75-16-04294-003 Estimated Cost of Construction _____

Subdivision Name None Lot _____ Block _____ Unit _____ Phase _____

Driving Directions 47 to Ft. White, take 27 S. turn right on 138 go approx. 3 to 4 miles, turn right on Fry Ave. It's the corner lot on 138 and Fry Ave.

Type of Construction Single family Number of Existing Dwellings on Property 1 - mobile home

Total Acreage 5 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 150' Side 204' Side 400' Rear 125'

Total Building Height 16' Number of Stories 1 Heated Floor Area 2035 Roof Pitch 6/12
 TOTAL 2,840

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

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

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

Ronald Clark
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

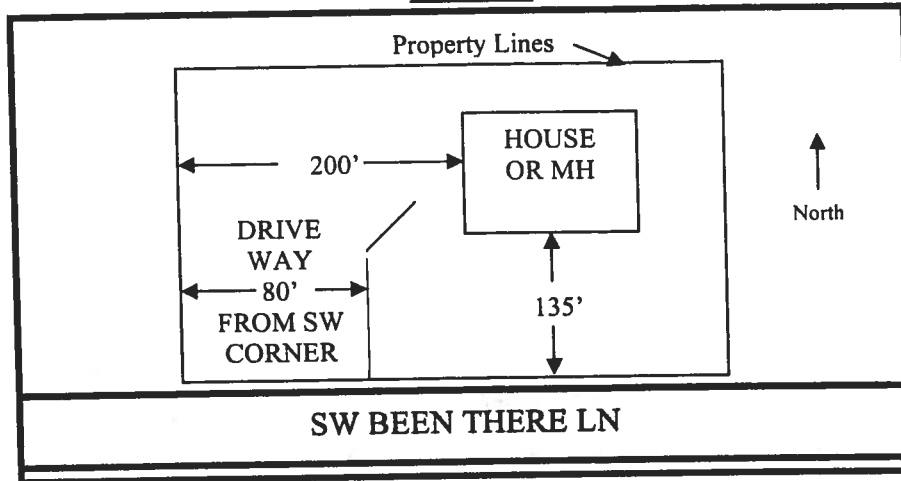
Ronald Clark
 Contractor Signature
 Contractors License Number CRC1326560
 Competency Card Number _____
 NOTARY STAMP/SEAL

born to (or affirmed) and subscribed before me
25 day of Sept 2006
 My known ☒ or Produced Identification _____

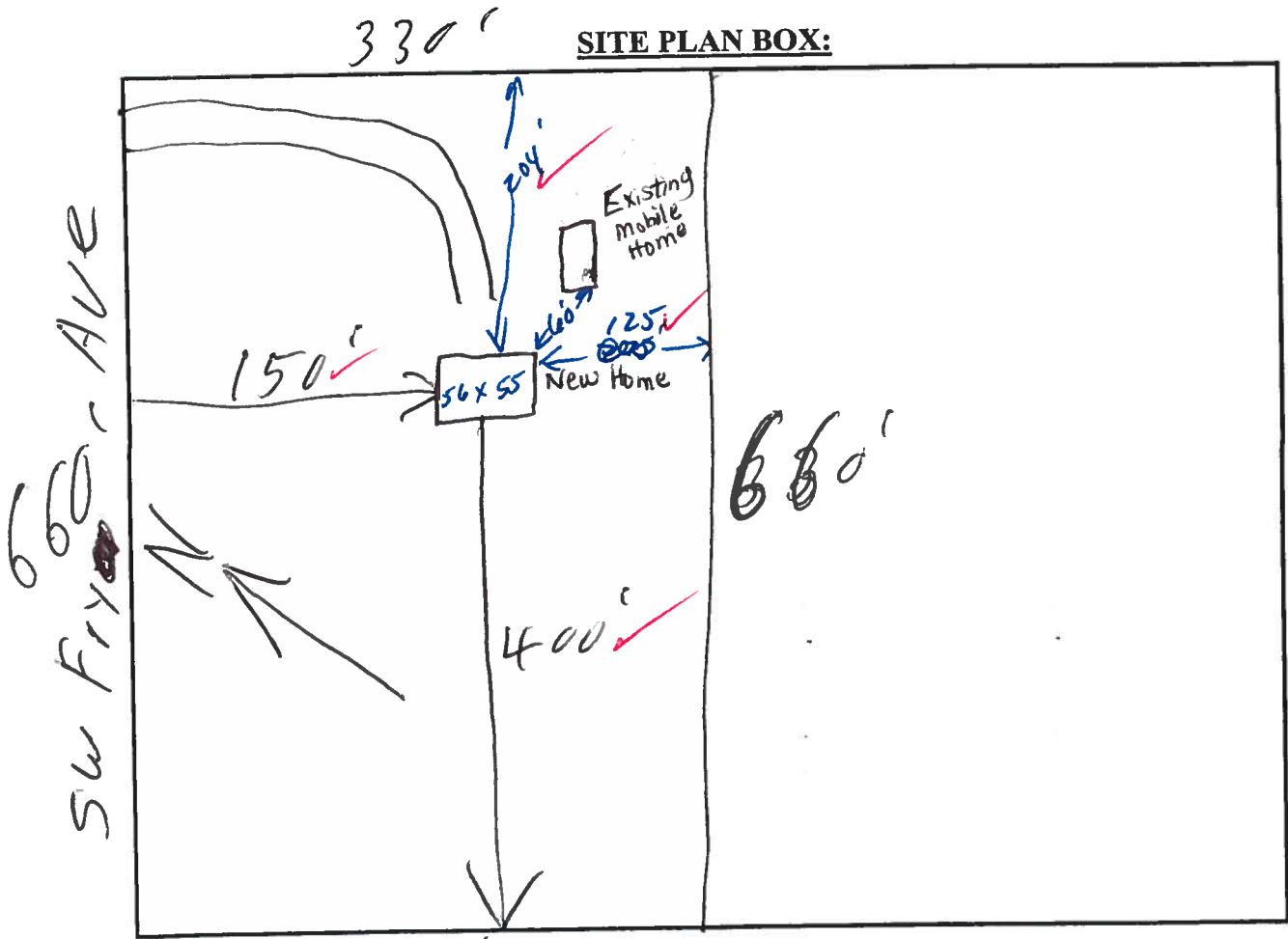
Bonnie P. Presnell
 Notary Signature
 Notary Public, State of Florida
 My comm. exp. Mar. 1, 2008
 Comm. No. DD 277528

1. A PLAT, PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
2. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM AT LEAST TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
3. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
4. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



SITE PLAN BOX:





STATE OF FLORIDA
DEPARTMENT OF HEALTH

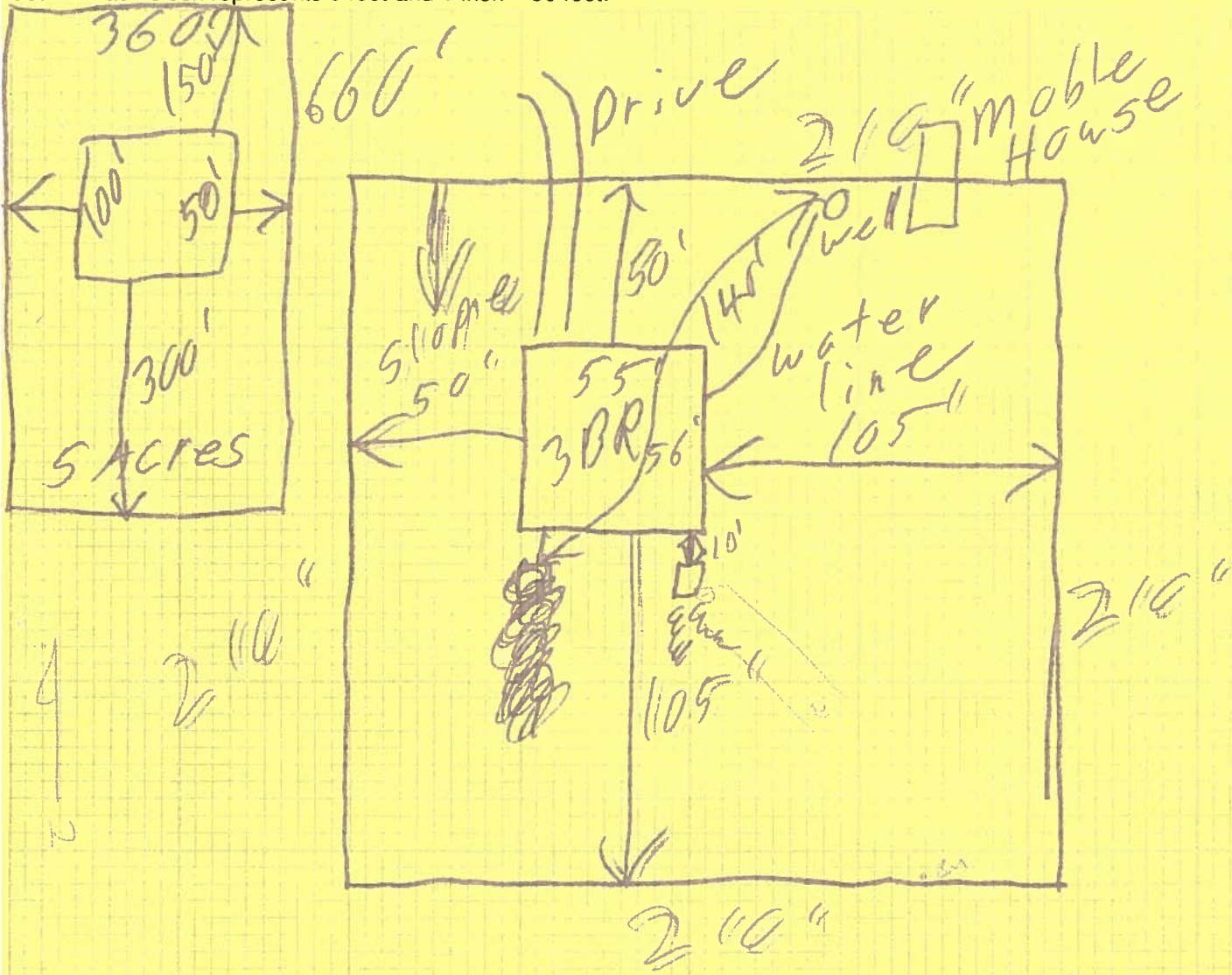
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

2008571V

PART II - SITE PLAN -

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



Notes:

Site Plan submitted by:

Paul W. Clark

Signature

agney

Title

Plan Approved ☒

Not Approved ☐

Date

9-25-08

By

Paul W. Clark

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

08/08/2006 15:31 3084510994

CORAL REEF TITLE

PAGE 11

386-462-4503

WARRANTY DEED

THIS INSTRUMENT, made this 21st day of August, 1996.
 Harold Miller, a single person

BK 0827 PG 0297

of the County of Broward

, State of

Social Security # [redacted] grantor and
 Social Security # [redacted] Florida

Martha Jean Harper, a married woman and Randy Rodiminski, a single man, joint
 tenants with rights of survivorship

Social Security # 264-80-5678
 Social Security # 15-79-7518

whose mailing address is Rt. 1, Box 1365, Ft. White, Florida 32038, grantee
 of the County of Columbia, State of Florida

WITNESSETH: this said grantor, for and in consideration of the sum of TEN AND
 NO/100'S—dollars, to him in hand paid by the grantee(s), the receipt whereof
 is hereby acknowledged, has/have granted, bargained, and sold to said grantee(s),
 his heirs and assigns forever, the following described land, situate, lying and
 being in Columbia County, Florida, to wit:

SEE SCHEDULE "A" ATTACHED
 AND MADE A PART HEREOF

452500
 CHANCELLERY STREET
 WITNESSETH TAX
 P. DAVY CASON, CLERK OF
 COLUMBIA COUNTY
 BY [redacted]

Tax Parcel # 22-25-16-04294-800

and said grantor does hereby fully warrant the title to said land, and will defend
 the same against the lawful claims of all persons whatsoever.

IN WITNESS WHEREOF, Grantor(s) has hereunto set grantor's hand and seal the day
 and year first above written.

signed, sealed and delivered in our presence

Harold Miller
 Harold Miller

Witness

PRINTED NAME OF WITNESS

Witness

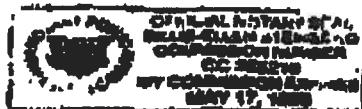
PRINTED NAME OF WITNESS

STATE OF FLORIDA
 COUNTY OF BROWARD

I hereby certify that on this day before me, an officer duly qualified to take
 acknowledgments, personally appeared

Harold Miller, a single person

known to me to be the person(s) described in and who executed the foregoing
 instrument; who acknowledged before me that he executed the same; that I
 relied upon the following form(s) of identification of the above-named person(s)
 driver's license.
 Witness my hand and official seal in the County and State last aforesaid this day
 21st of August, 1996.



Susan Ellen Steinberg
 Notary Signature
 SUSAN ELLEN STEINBERG
 Printed Name of Notary

Commission Expires: _____

Deposited by and return to: National Title Company
 2015 South First Street
 Lake City, Florida 32855
 Martha Bryan By: [redacted]

CORAL REEF TITLE

PAGE 12

09/08/2006 16:31 3854510994

Schedule "A" attached to that certain Warranty Deed from Harold Miller, as grantor to Martha Jean Harper and Randy Radzinski, as grantees.

Commence at the SW corner of the NE 1/4 of the SE 1/4 of Section 22, Township 7 South, Range 16 East, run thence N 8 deg 58' 19" W along the West line of said NE 1/4 of SE 1/4, 47.68' to the North R/W line of SR S 138, thence N 89 deg 02' 41" E, along said North R/W line, 32.00' to the East maintained R/W line of a 36' County Road, and also the POINT OF BEGINNING, thence run N 8 deg 58' 19" W, along said County maintained Road R/W 819.98', thence N 89 deg 02' 49" E, 434.78', thence N 8 deg 58' 19" W, 466.78' to the North line of the NE 1/4 of the SE 1/4 of Section 22, Township 7 South, Range 16 East, thence N 89 deg 02' 49" E, along said North line, 285.48', thence S 8 deg 28' 29" E, 1282.63' to the North R/W line of SR S 138, thence S 89 deg 02' 41" W along said R/W line, 712.39' to the POINT OF BEGINNING, all lying in the NE 1/4 of the SE 1/4 of Section 22, Township 7 South, Range 16 East.

TOGETHER WITH: A 1988 Fleetwood Triplow Mobile Home, I.D. #8AFLR5AA75196ET; I.D. #8AFLR54B75196ET and I.D. #8AFLR54C75196ET.

0827 160298
OFFICIAL RECORDS

After Recording Return To:
COUNTRYWIDE HOME LOANS, INC.
MS SV-79 DOCUMENT PROCESSING
P.O.Box 10423
Van Nuys, CA 91410-0423

This document was prepared by:
JENNIFER WILSON
COUNTRYWIDE HOME LOANS, INC.

6400 LEGACY DR
PLANO, TX 75024

Inst:2006020060 Date:08/23/2006 Time:14:38
A. P. DC, P. DeWitt Cason, Columbia County B:1093 P:1942

[Space Above This Line For Recording Data]

BELL
[Escrow/Closing #]

140693863
[Loan #]

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF LAKE 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: (legal description of property, and street address if available)
SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

Parcel ID Number: 22-75-16-04294-003 HX

2. General description of improvement: Single family dwelling

3. Owner information:

- a. Name and address: Randolph Blane Bell fka Randolph B
Radzinski, 3261 SW Fry Ave, Ft. White, FL 32038
- b. Interest in property: fee simple
- c. Name and address of fee simple titleholder (if other than owner):

Initials: MB



* 2 3 9 9 1 *



* 1 4 0 6 9 3 8 8 3 0 0 0 0 2 D 5 3 7 *

LOAN #: 140693863

4. Contractor:

a. Name and address:

Ronald Clark Construction, Inc.
15816 NW County Rd. 1491, Alachua, FL 32615

b. Phone number: 352-538-6929

c. Fax number (optional, if service by fax is acceptable): 386-462-4503

5. Surety:

a. Name and address:

b. Amount of bond: \$

c. Phone number:

d. Fax number (optional, if service by fax is acceptable):

6. Lender:

a. Name and address:

COUNTRYWIDE HOME LOANS, INC.
6400 Legacy Drive PTX-137 Plano, TX 75024

b. Phone number: (800) 729-4073

c. Fax number (optional, if service by fax is acceptable): (800) 219-6562

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided in section 713.13(1)(a)7., Florida Statutes:

a. Name and address:

b. Phone number:

c. Fax number (optional, if service by fax is acceptable):

8. In addition to himself, Owner designates the following person(s) to receive a copy of the Lender's Notice as provided in Section 713.13(1)(b), Florida Statutes:

a. Name and address:

b. Phone number:

c. Fax number (optional, if service by fax is acceptable):

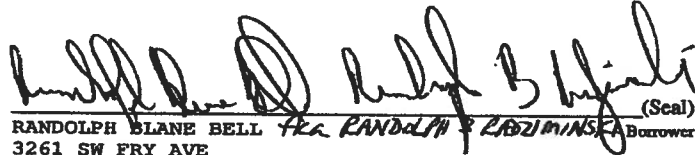
9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified)

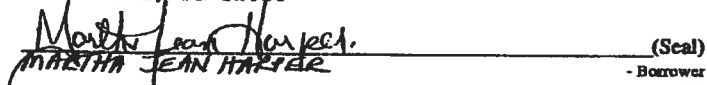
Owner's Address:

Inst:2006020060 Date:08/23/2006 Time:14:38

DC,P.DeWitt Cason,Columbia County B:1093 P:1943

LOAN #: 140693863

 (Seal)
RANDOLPH BLANE BELL aka RANDOLPH B RADZIMINSKI Borrower
3261 SW FRY AVE
FORT WHITE, FL 32038

 (Seal)
MARtha JEAN HARPER - Borrower

(Seal)
- Borrower

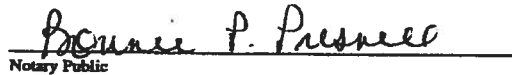
(Seal)
- Borrower

STATE OF FLORIDA,

Columbia County ss:

The foregoing instrument was acknowledged before me this August 16, 2006 by
Randolph Blane Bell aka Randolph B Radzinski and
Martha Jean Harper
who is personally known to me or who has produced
as identification.

BONNIE P. PRESNELL
Notary Public, State of Florida
My comm. exp. Mar. 1, 2008
Comm. No. DD 277528


Notary Public

Inst:2006020060 Date:08/23/2006 Time:14:38
DC,P.Dewitt Cason,Columbia County B:1093 P:1944

Prepared by: JENNIFER WILSON

COUNTRYWIDE HOME LOANS, INC.

DATE: 08/14/2006

CASE #:

DOC ID #: 140693863

BORROWER: RANDOLPH BLANE BELL

PROPERTY ADDRESS: 3261 SW Fry Ave

Fort White, FL 32038-2727

Branch #: 0000484

6400 LEGACY DR

PLANO, TX 75024

Phone: (800) 556-6086

Br Fax No.: (888) 898-1547

LEGAL DESCRIPTION EXHIBIT A

Commence at the SW corner of the NE 1/4 of the SE 1/4 of Section 22, Township 7 South, Range 16 East, run thence N 00 deg 50' 19" W along the West line of said NE 1/4 of SE 1/4, 47.60' to the North R/W line of SR S 138; thence N 89 deg 02' 41" E, along said North R/W line, 32.00' to the East maintained R/W line of a 36' County Road, and also the POINT OF BEGINNING; thence run N 00 deg 50' 19" W, along said County maintained Road R/W 815.90'; thence N 89 deg 02' 43" E, 434.70'; thence N 00 deg 50' 19" W, 466.70' to the North line of the NE 1/4 of the SE 1/4 of Section 22, Township 7 South, Range 16 East; thence N 89 deg 02' 43" E, along said North line 285.09'; thence S 00 deg 30' 29" E, 1282.63' to the North R/W line of SR S 138; thence S 89 deg 02' 41" W along said R/W line, 712.39' to the POINT OF BEGINNING, all lying in the NE 1/4 of the SE 1/4 of Section 22, Township 7 South, Range 16 East.

Less the following;

A part of the NE 1/4 of the SE 1/4 of Section 22, Township 7 South, Range 16 East, Columbia County, Florida, being more particularly described as follows;

Commence at the Southwest corner of the NE 1/4 of the said SE 1/4 and run thence N 00° 50' 19" W along the West line thereof, 47.60 feet to a point on the North right of way line of County Road 138, thence N 89° 04' 28" E., along the North line thereof, 32.00 feet to a point on the East right of way line of Frier Road, thence continue N 89° 04' 28" E., 456.18 feet for a Point of Beginning, thence N 02° 29' 50" W., 816.06 feet, thence N 00° 50' 19" W., 466.70 feet, thence N 89° 02' 43" E., 285.09 feet, thence S 00° 30' 08" E., 1282.65 feet to a point on the North right of way line of said County Road 138, thence S 89° 04' 28" W., along the North line thereof, 254.26 feet to the Point of Beginning.

Inst:2006020060 Date:08/23/2006 Time:14:38

DC, P. DeWitt Cason, Columbia County B:1093 P:1945

FHAVA/CONV
Legal Description Exhibit A
2C404-XX (04/03)(d)



* 2 3 9 9 1 *



* 1 4 0 6 9 3 8 6 3 0 0 0 0 2 D 5 3 7 *

C

0601-61

D

22

ROAD

FRIER

138

27

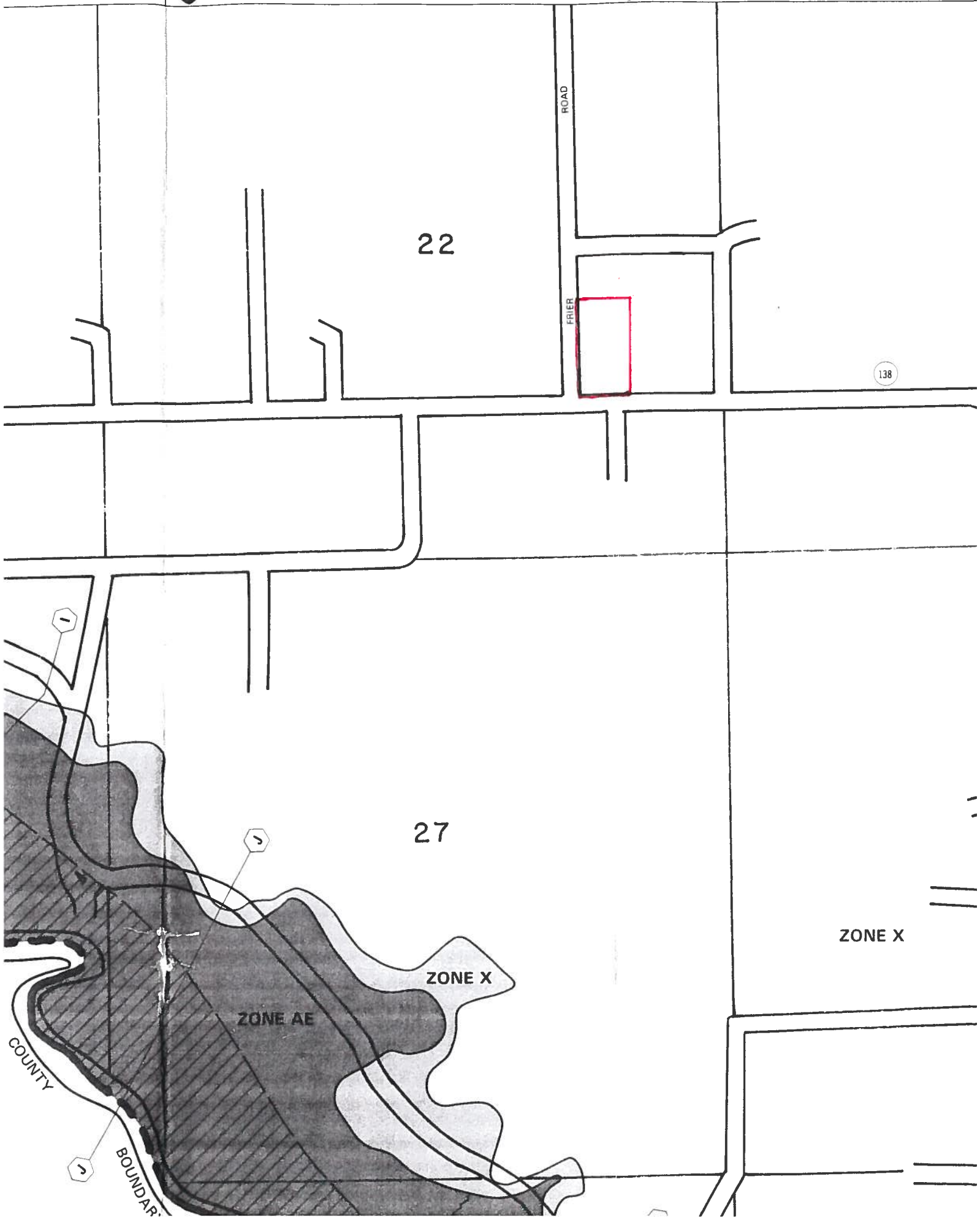
ZONE X

ZONE X

ZONE AE

COUNTY

BOUNDARY



Notice of Treatment 4/1/88

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 116 Ave 16 Ave
City: G. Ville **Phone:** 3762661

Site Location: Subdivision _____

Lot # _____ **Block#** _____ **Permit #** 25097

Address 3261 SW FR-1 AVE FT. White

<u>Product used</u>	<u>Active Ingredient</u>	<u>% Concentration</u>
---------------------	--------------------------	------------------------

☐ Premise	Imidacloprid	0.1%
----------------------------------	--------------	------

☐ Termidor	Fipronil	0.12%
-----------------------------------	----------	-------

☐ Bora Care	Disodium Octaborate Tetrahydrate	23.0%
------------------------------------	----------------------------------	-------

Type treatment:

☐ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

<u>W/B</u>	<u>2846</u>	<u>2212</u>	<u>224</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

<u>11/27/06</u>	<u>1:14</u>	<u>Richard</u>
Date	Time	Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



25097

Notice of Treatment

41188

Applicator: **Florida Pest Control & Chemical Co. (www.flapest.com)**Address: 116 NW 16 AVECity GvillePhone 376-2861

Site Location: Subdivision _____

Lot # _____ Block# _____

Permit # _____

Address 3261 SW FRY AVEProduct usedActive Ingredient% Concentration☒ Premise

Imidacloprid

0.1%

☐ Termidor

Fipronil

0.12%

☐ Bora Care

Disodium Octaborate Tetrahydrate

23.0%

Type treatment:

☒ Soil☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

Perimeter 28557

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line MCT.

4/9/07

Date

11:45

Time

Mitch

Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©

COLUMBIA COUNTY OFFICE 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 22-7S-16-04294-003

Building permit No. 000025097

Use Classification SF/UTILITY

Fire: 0.00

Permit Holder RONALD CLARK

Waste:

Owner of Building RANDOLPH BELL

Total: 0.00

Location: 3261 SW FRY AVE, FT. WHITE, FL

Date: 04/27/2007



Randy Jones
by *69* Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

COLUMBIA COUNTY ON CITY OF ALBUQUERQUE

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 22-7S-16-04294-003 Building permit No. 000025097

Use Classification SF/UTILITY Fire: 0.00

Permit Holder RONALD CLARK Waste:

Owner of Building RANDOLPH BELL Total: 0.00

Location: 3261 SW FRY AVE, FT. WHITE, FL

Date: 04/27/2007



Randy Jones
by Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Short Form
Estimate
Heating & Air

Job: Bell 2036 Sqft.
Date: 08-28-06
By: Michael C.

P.O. BOX 1817, Newberry, FL 32869 Phone:

Fax: (352) 472-1809

Project Information

For: Ronald Clark Construction

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	31	93		
Inside db (°F)	68	75	Method	Tight
Design TD (°F)	37	18	Construction quality	0
Daily range	-	M	Fireplaces	
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	50		

HEATING EQUIPMENT

Make Carrier
Trade Base 13 Puron HP
Model 25HBA342A30

Efficiency 7.7 HSPF

Heating input
Heating output 41000 Btuh @ 47°F
Temperature rise 28 °F
Actual air flow 1317 cfm
Air flow factor 0.035 cfm/Btuh
Static pressure 1.00 in H2O
Space thermostat

COOLING EQUIPMENT

Make Carrier
Trade Base 13 Puron HP
Cond 25HBA342A30
Coil CE3AA042+58MVB040-14+PURON-TXV

Efficiency 13.5 SEER

Sensible cooling 27650 Btuh
Latent cooling 11850 Btuh
Total cooling 39500 Btuh
Actual air flow 1317 cfm
Air flow factor 0.048 cfm/Btuh
Static pressure 1.00 in H2O
Load sensible heat ratio 0.81

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
bath 2	96	2803	1061	98	51
bed room 2	120	2171	1671	76	80
closet 2	12	0	0	0	0
closet1	12	0	0	0	0
bed room 1	171	4236	2199	148	105
hall 1	72	576	271	20	13
kitchen	216	2140	1269	75	61
dining room	180	4559	2325	159	111
living room	508	6534	6812	228	326
utility	108	3655	5679	128	271
master bath	144	2193	1357	77	65
w.i.c.	72	108	177	4	8
master bedroom	324	8771	4733	306	226

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed



wrightsoft

Comfort Builder by Wrightsoft 6.0.55 RSRCAR41556

2006-Aug-28 11:13:28

© Documents and Settings\Bryan Bounds\My Documents\Wrightsoft HVAC\default.rpt Calc = MJ8 Orle

Page 1

Entire House	2035	37746	27556	1317	1317
Other equip loads		3981	1937		
Equip. @ 0.98 RSM			28903		
Latent cooling			6919		
TOTALS	2035	41727	35822	1317	1317

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Duct System Summary

Entire House

Bounds Heating & Air

Job: Bell 2035 Sqft.
Date: 08-28-06
By: Michael C.

P.O. BOX 1617, Newberry, FL 32669 Phone: (352)472-2761 Fax (352) 472-1809

Project Information

For: Ronald Clark Construction

	Heating	Cooling
External static pressure	1.00 in H2O	1.00 in H2O
Pressure losses	0.30 in H2O	0.30 in H2O
Available static pressure	0.70 in H2O	0.70 in H2O
Supply / return available pressure	0.45 / 0.25 in H2O	0.45 / 0.25 in H2O
Lowest friction rate	0.100 in/100ft	0.100 in/100ft
Actual air flow	1317 cfm	1317 cfm
Total effective length (TEL)	327 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Cig (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
bath 2	h 2803	98	51	0.100	7	16x3	VIFx	56.0	135.0	st2
bed room 2	c 1671	76	80	0.100	6	16x2	VIFx	47.0	135.0	st2
bed room 1	h 4236	148	105	0.100	8	16x4	VIFx	35.0	145.0	st2
hall 1	h 576	20	13	0.100	4	16x1	VIFx	42.0	155.0	st2
kitchen	h 2140	75	61	0.100	6	16x2	VIFx	35.0	170.0	st2
dining room	h 4559	159	111	0.100	8	16x4	VIFx	24.0	180.0	st2
living room-A	c 3406	114	163	0.100	8	16x4	VIFx	31.0	160.0	st2
living room	c 3406	114	163	0.100	8	16x4	VIFx	17.0	180.0	st2
utility-A	c 2840	64	136	0.100	8	16x4	VIFx	9.0	145.0	st1
utility-B	c 2840	64	136	0.100	8	16x4	VIFx	12.0	185.0	st1
master bath	h 2193	77	65	0.100	6	16x2	VIFx	23.0	185.0	st1
w.l.c.	c 177	4	8	0.100	4	16x1	VIFx	15.0	160.0	st1
master bedroom-A	h 4385	153	113	0.100	8	16x4	VIFx	29.0	145.0	st1
master bedroom	h 4385	153	113	0.100	8	16x4	VIFx	20.0	155.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Cig (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	514	571	0.100	642	12	16 x 8	RectFbg	
st2	Peak AVF	803	746	0.100	803	13	16 x 9	RectFbg	

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	1317	1317	13.0	0.050	382	24	16x 31		VIFx	rt1

Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
rt1	Peak A/VF	1317	1317	0.050	458	22	18 x 23	RectFbg	

Bell job

PRODUCT APPROVAL SPECIFICATION SHEET

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Entergy	Wood-edge steel door in wood frame	00-0720.05
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER	Entergy	Double-wood edge steel door in wood fr.	01-0314.29
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Capitol	650 FIN Alum. Single hung	42963.03-122-47
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	EIK	Prestige 30 HD	01-0919.11
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS	Simpson	H16, H2.5, H10	FL1423 + FL4
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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


APPLICANT SIGNATURE

9-25-06
DATE



**Short Form
Entire House
Bounds Heating & Air**

Job: Bell 2036 Sqft.
Date: 08-28-06
By: Michael C.

P.O. BOX 1817, Newberry, FL 32869 Phone: (352)472-2761 Fax: (352) 472-1809

Project Information

For: Ronald Clark Construction

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	31	93		
Inside db (°F)	68	75	Method	Tight
Design TD (°F)	37	18	Construction quality	0
Daily range	-	M	Fireplaces	
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	50		

HEATING EQUIPMENT

Make Carrier
Trade Base 13 Puron HP
Model 25HBA342A30
Efficiency 7.7 HSPF
Heating input
Heating output 41000 Btuh @ 47°F
Temperature rise 28 °F
Actual air flow 1317 cfm
Air flow factor 0.035 cfm/Btuh
Static pressure 1.00 in H2O
Space thermostat

COOLING EQUIPMENT

Make Carrier
Trade Base 13 Puron HP
Cond 25HBA342A30
Coil CE3AA042+58MVB040-14+PURON-TXV
Efficiency 13.5 SEER
Sensible cooling 27650 Btuh
Latent cooling 11850 Btuh
Total cooling 39500 Btuh
Actual air flow 1317 cfm
Air flow factor 0.048 cfm/Btuh
Static pressure 1.00 in H2O
Load sensible heat ratio 0.81

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
bath 2	96	2803	1061	98	51
bed room 2	120	2171	1671	76	80
closet 2	12	0	0	0	0
closet1	12	0	0	0	0
bed room 1	171	4236	2199	148	105
hall 1	72	576	271	20	13
kitchen	216	2140	1269	75	61
dining room	180	4559	2325	159	111
living room	508	6534	6812	228	326
utility	108	3655	5679	128	271
master bath	144	2193	1357	77	65
w.i.c.	72	108	177	4	8
master bedroom	324	8771	4733	306	226

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



wrightsoft

Comfort Builder by Wrightsoft 6.0.55 RSRCAR41556

2006-Aug-28 11:13:28

C:\Documents and Settings\Bryan Bounds\My Documents\Wrightsoft HVAC\default.mpr Calc = MJB Orle

Page 1

Entire House	2035	37746	27556	1317	1317
Other equip loads		3981	1937		
Equip. @ 0.98 RSM			28903		
Latent cooling			6919		
TOTALS	2035	41727	35822	1317	1317

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Duct System Summary

Entire House

Bounds Heating & Air

Job: Bell 2035 Sqft.
Date: 08-28-06
By: Michael C.

P.O. BOX 1617, Newberry, FL 32669 Phone: (352)472-2761 Fax: (352) 472-1808

Project Information

For: Ronald Clark Construction

External static pressure	Heating 1.00 in H2O	Cooling 1.00 in H2O
Pressure losses	0.30 in H2O	0.30 in H2O
Available static pressure	0.70 in H2O	0.70 in H2O
Supply / return available pressure	0.45 / 0.25 in H2O	0.45 / 0.25 in H2O
Lowest friction rate	0.100 in/100ft	0.100 in/100ft
Actual air flow	1317 cfm	1317 cfm
Total effective length (TEL)	327 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
bath 2	h 2803	98	51	0.100	7	16x3	VIFx	56.0	135.0	st2
bed room 2	c 1671	76	80	0.100	6	16x2	VIFx	47.0	135.0	st2
bed room 1	h 4236	148	105	0.100	8	16x4	VIFx	35.0	145.0	st2
hall 1	h 576	20	13	0.100	4	16x1	VIFx	42.0	155.0	st2
kitchen	h 2140	75	61	0.100	6	16x2	VIFx	35.0	170.0	st2
dining room	h 4559	159	111	0.100	8	16x4	VIFx	24.0	180.0	st2
living room-A	c 3406	114	163	0.100	8	16x4	VIFx	31.0	160.0	st2
living room	c 3406	114	163	0.100	8	16x4	VIFx	17.0	180.0	st2
utility-A	c 2840	64	136	0.100	8	16x4	VIFx	9.0	145.0	st1
utility-B	c 2840	64	136	0.100	8	16x4	VIFx	12.0	185.0	st1
master bath	h 2193	77	65	0.100	6	16x2	VIFx	23.0	185.0	st1
w.i.c.	c 177	4	8	0.100	4	16x1	VIFx	15.0	160.0	st1
master bedroom-A	h 4385	153	113	0.100	8	16x4	VIFx	29.0	145.0	st1
master bedroom	h 4385	153	113	0.100	8	16x4	VIFx	20.0	155.0	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	514	571	0.100	642	12	16 x 8	RectFbg	
st2	Peak AVF	803	746	0.100	803	13	16 x 9	RectFbg	

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	1317	1317	119.0	0.050	382	24	16x 31		VIFx	rt1

Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
rt1	Peak AVF	1317	1317	0.050	458	22	18 x 23	RectFbg	

RESIDENTIAL WIND DESIGN & ANALYSIS

FBC SECTION 1609 \ ***NO COPIES ARE TO BE PERMITTED***

PREPARED FOR:

THE BELL RESIDENCE

PREPARED BY:

**MARTY R. ESKRIDGE
14952 MAIN ST
ALACHUA FL 32615
386-462-1340 / 352-375-6329**

SUMMARY

SUMMARY: Wind Load Analysis for The Bell Residence

Wind Speed: 110 M.P.H. \ No Copies Permitted \ Florida Building Code \ Latest Edition

Foundation:

20" wide x 10" deep stemwall footing with (2) #5 rebar continuous minimum. CMU walls must have #5 dowels at 48" o.c. with a standard 90 degree ACI hook in footing and a 4" slab on grade. Monolithic slab to be 12" wide x 20" deep minimum with (2) #5 rebar continuous with 12" minimum coverage on face of foundation. It is assumed that ideal soil conditions and pad preparation are provided.

Walls:

8" CMU block with vertical #5 reinforcing bar in grout filled cell at 48" o.c. maximum spacing. Wall heights are 10' nominal. Provide an 8" x 8" bond beam with 1-#5 rebar horizontal continuous at the top course. Install pre-cast, pre-engineered lintels or pre-engineered steel lintels spanning over all openings. One #5 rebar each corner. One #5 rebar each side of door and window openings. Two #5 rebar in openings wider than 12'-0". One #5 rebar where girders or girder trusses bear on masonry wall.

Shearwalls:

Transverse: 40'-0"

Longitudinal: 67'-0"

Allowable pounds per foot unit shear on shearwalls: 428 plf

Trusses:

Pre-engineered Pre-fabricated with the bracing system designed by the manufacturer. Trusses must be anchored according to the truss engineering. Trusses must bear on all exterior walls and then porch headers. Trusses must bear on interior cmu closet.

Roof Sheathing:

7/16" osb minimum attached to the top chords of the trusses with 8d/131 gauge nails spaced at 4" o.c. edges and 8" interior.

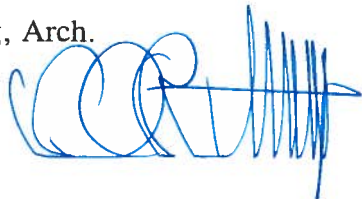
Columns:

12" x 12" x 10' with four #5 rebar continuous. See truss engineering for uplift anchorages.

Ceiling Diaphragm:

Install ceiling diaphragm on all open porches using the same nail patterns and nail sizes at the roof sheathing.

Paul R. Stresing, Arch.
AR0013985



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 @ 3" O.C.
 Wall sheathing nailing Adequate exterior walls top w/8d nails @ 3" O.C., as long as sheathing covers top plate, otherwise use SP2 @ 32" O.C. in addition to sheathing nailing.
 Use SP2 top and SP1 bottom each stud for all interior load bearing walls and anchor bolts @ 32" O.C.
 Interior anchor bolts to be ½" x 8" A307 or ½" x 6" 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: For nailing into SPF members, multiply table values by .86

ASCE 7-02

6/22/06

Wind Load Design per ASCE 7-02

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	Hipped	
Eave Height (Eht)	10.00	ft
Ridge Height (RHt)	19.18	ft
Mean Roof Height (Ht)	14.39	ft
Width Perp. to Wind (B)	55.50	ft
Width Parallel to Wind (L)	55.00	ft
Damping Ratio (beta)	0.01	

Red values should be changed only through "Main Menu"

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.26
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	
I =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	30.00	ft
Izm	$Cc * (33/z)^{0.167}$	0.3048	
Lzm	$I * (zm/33)^{Epsilon}$	309.99	ft
Q	$(1/(1+0.63*((B+Ht)/Lzm)^{0.63}))^{0.5}$	0.8957	
Gust2	$0.925 * ((1+1.7 * Izm * 3.4 * Q)/(1+1.7 * 3.4 * Izm))$	0.8635	
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	$4.6 * NatFreq * Ht / Vzm$	0.93	
Nb	$4.6 * NatFreq * B / Vzm$	3.60	
Nd	$15.4 * NatFreq * Depth / Vzm$	11.95	
Rh	$1/Nh - (1/(2 * Nh^2) * (1 - Exp(-2 * Nh)))$	0.5861	
Rb	$1/Nb - (1/(2 * Nb^2) * (1 - Exp(-2 * Nb)))$	0.2392	
Rd	$1/Nd - (1/(2 * Nd^2) * (1 - Exp(-2 * Nd)))$	0.0802	
RR	$((1/Beta) * Rn * Rh * Rb * (0.53 + 0.47 * Rd))^{0.5}$	0.6626	
gg	$+(2 * LN(3600 * n1))^{0.5} + 0.577 / (2 * LN(3600 * n1))^{0.5}$	4.19	
Gust3	$0.925 * ((1 + 1.7 * Izm * (3.4^2 * Q^2 + GG^2 * RR^2)^{0.5}) / (1 + 1.7 * 3.4 * Izm))$	1.05	

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

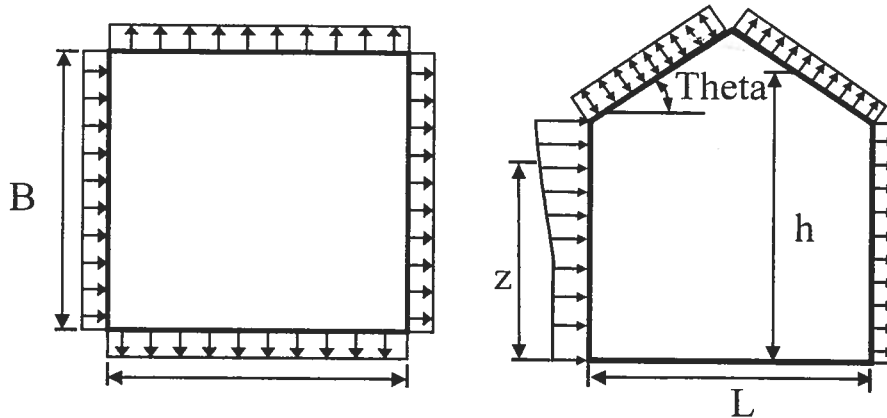
Wind Load Design per ASCE 7-02

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

Elev. ft	Kz	Kzt	Kd	qz lb/ft^2	Pressure (lb/ft^2)	
					Windward Wall*	
					+GCpi	-GCpi
19.18	0.70	1.00	1.00	21.70	11.79	18.19
15	0.70	1.00	1.00	21.70	11.79	18.19

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	$2.01 \cdot (15/z_g)^{2/\alpha}$	0.57	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	$.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d$	17.80	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 55.5 ft wall)	-0.50	-10.89	-4.48
Leeward Walls (Wind Dir Parallel to 55 ft wall)	-0.50	-10.86	-4.45
Side Walls	-0.70	-13.96	-7.56
Roof - Normal to Ridge ($\theta \geq 10$)			
Windward - Max Negative	-0.20	-6.33	0.08
Windward - Max Positive	0.30	1.34	7.74
Leeward Normal to Ridge	-0.60	-12.43	-6.02
Overhang Top	-0.20	-3.12	-3.12
Overhang Bottom	0.80	0.69	0.69
Roof - Parallel to Ridge (All θ)			
Dist from Windward Edge: 0 ft to 7.195 ft	-0.90	-17.04	-10.63
Dist from Windward Edge: 7.195 ft to 14.39 ft	-0.90	-17.04	-10.63
Dist from Windward Edge: 14.39 ft to 28.78 ft	-0.50	-10.89	-4.48

ASCE 7-02

6/22/06

Wind Load Design per ASCE 7-02

Dist from Windward Edge: > 28.78 ft	-0.30	-7.82	-1.41
-------------------------------------	-------	-------	-------

* Horizontal distance from windward edge

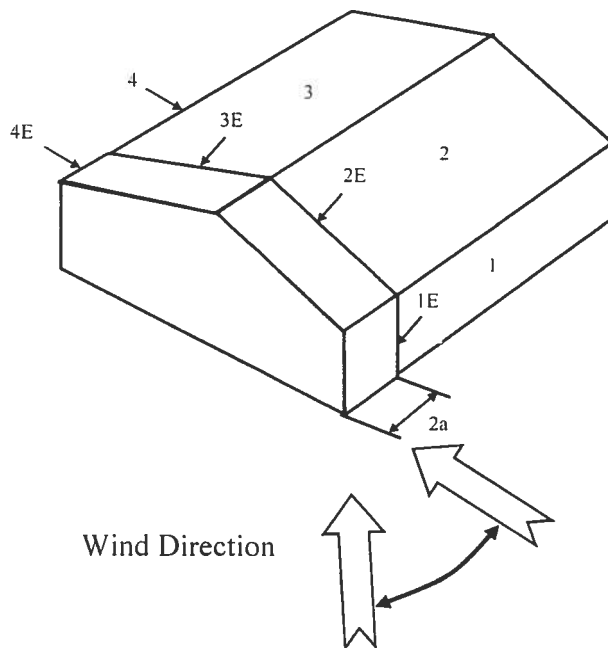
Figure 6-4 - External Pressure Coefficients, GCpf

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

Kh =	$2.01 \cdot (15/z_g)^{(2/\alpha)}$	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	$0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d$	=	17.80

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

* $p = qh \cdot (GCpf - GCpi)$



Wind Load Design per ASCE 7-02

Figure 6-4 - External Pressure Coefficients, GCpf

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

$$\begin{aligned} K_h &= 2.01 \cdot (15/z_g)^{(2/\alpha)} &= & 0.57 \\ K_{ht} &= \text{Topographic factor (Fig 6-2)} &= & 1.00 \\ Q_h &= 0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d &= & 17.80 \end{aligned}$$

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

$$* p = q_h \cdot (GCpf - GCpi)$$

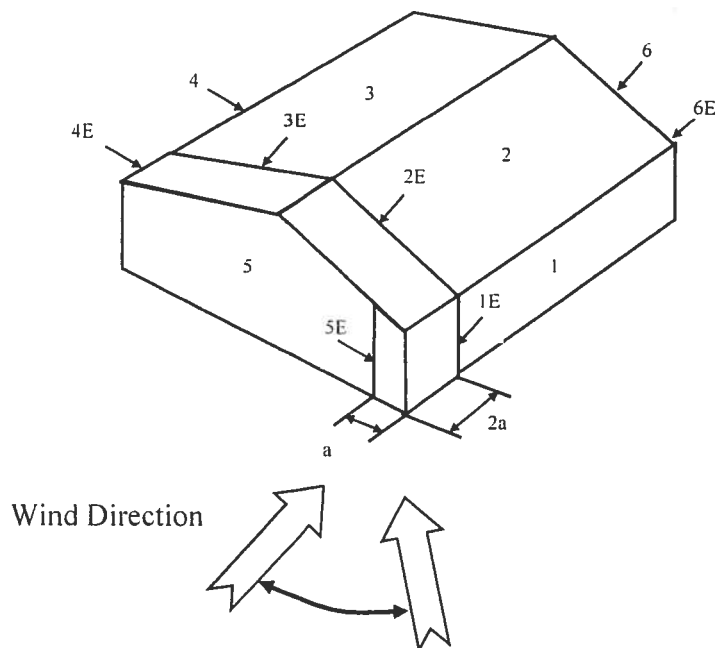
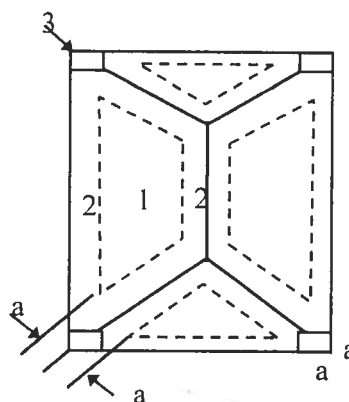


Figure 6-5 - External Pressure Coefficients, GCp

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

Wind Load Design per ASCE 7-02

A 3D perspective drawing of a rectangular block. The front face is a rectangle with a width of 4 and a height of 5. The depth of the block is labeled as H_t . The base of the block is a square with side length a , indicated by two arrows at the bottom front corner.



Hipped Roof
 $10 < \text{Theta} \leq 30$

$$a = 5.5 \implies \boxed{5.50 \text{ ft}}$$
[illegible]

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

Table 6-7 Internal Pressure Coefficients for Buildings, C_{pi}

Condition	Gcpi	
	Max +	Max -

ASCE 7-02

6/22/06

Wind Load Design per ASCE 7-02

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, C_p

r (Rise-to-Span Ratio) = 0.3

Condition	Variable	C_p		
		Windward Quarter	Center Half	Leeward Quarter
Roof on Elevated Structure	C_p	0.13	-1	-0.5
	P (+GCpi) - psf	-1.28	-18.58	-10.89
	P (-GCpi) - psf	5.13	-12.17	-4.48
Roof Springing from Ground	C_p	0.42	-1	-0.5
	P (+GCpi) - psf	3.25	-18.58	-10.89
	P (-GCpi) - psf	3.25	-18.58	-10.89

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

Variable	Description	Value	
L	Roof dimension normal to wind direction	55.00	ft
B	Roof dimension parallel to wind direction	55.50	ft
L/B	Ratio of L to B	0.991	
Theta	Slope of Roof	26.6	Deg
C_f	Force Coefficient	1.20	
X	Distance to center of pressure from windward edge	0.42	ft