

Columbia County Building Permit Application

444.17

Revised 9-23-04

For Office Use Only Application # 0606-60 Date Received 6-19-06 By LM Permit # 1158/24779
Application Approved by - Zoning Official BHK Date 6-21-06 Plans Examiner OKJTH Date 6-21-06
Flood Zone XPC Development Permit N/A Zoning RSF/MH-2 Land Use Plan Map Category Res. Low Dev.
Comments NO

Applicants Name SUSAN FAIR Phone 752-1711
Address 180 NW AMENITY CT. LAKE CITY, FL 32055
Owners Name CORNERSTONE DEVELOPERS Phone 752-1711
911 Address 174 NW KATELYN WAY LAKE CITY, FL 32055
Contractors Name BRYAN ZECHER Phone 752-8653
Address PO BOX 815 LAKE CITY, FL 32056
Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address MARIC DISOSWAY PO BOX 868 LAKE CITY FL 32056
Mortgage Lenders Name & Address NA
Circle the correct power company FL Power & Light Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 28-35-16-02377-101 Estimated Cost of Construction \$90,000.00
Subdivision Name MAGNOLIA HILLS Lot 1 Block Unit Phase
Driving Directions TAKE 90 TO BROWN RD. TURN RIGHT. GO 1/4 MILE AND
TURN RIGHT ON NW ETHAN PLACE. 1ST LOT ON RIGHT.
SEE ATTACHED
Type of Construction FRAME + HARDI-SFO Number of Existing Dwellings on Property 0
Total Acreage 30 acre Lot Size 1/2 acre Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 31' L-Side 12' R-Side 31' Rear 123'
Total Building Height 18'9" Number of Stories 1 Heated Floor Area 1500 SQ FT Roof Pitch 6/12
Porch 44 GARAGE 430 TOTAL 1974

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. CH 2580

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.

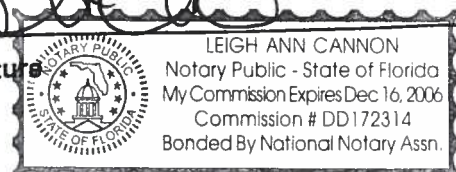
Kim W. Cy
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 19TH day of JUNE 2006.
Personally known ✓ or Produced Identification

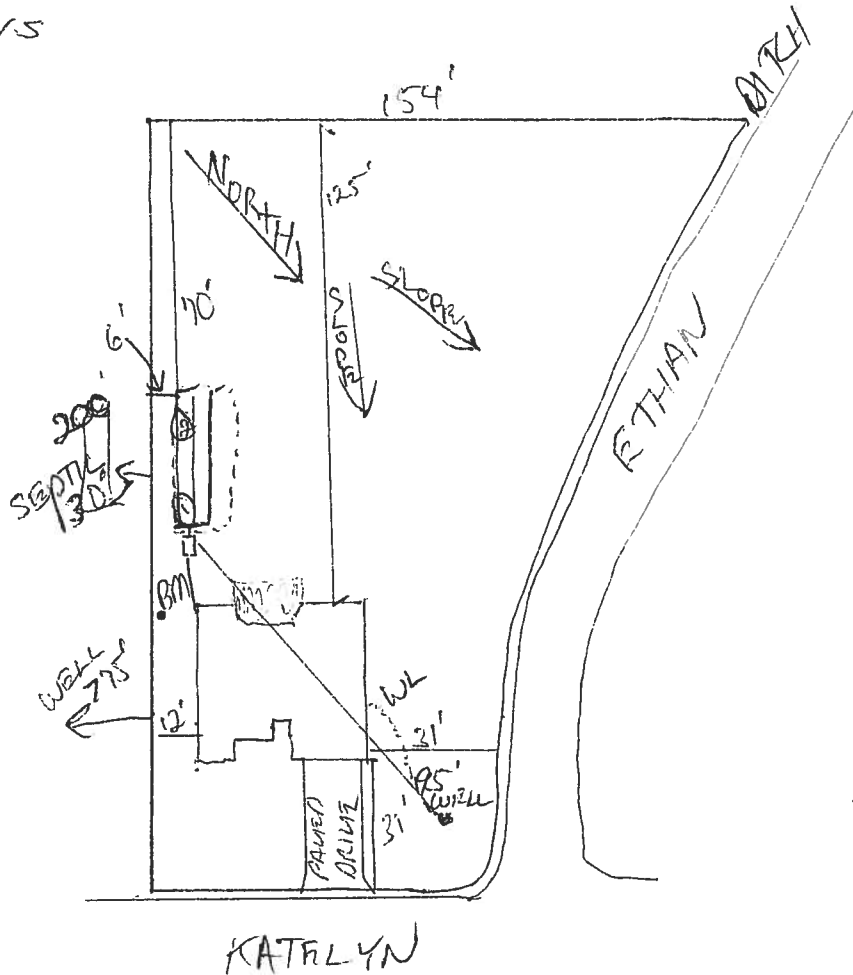
Kim W. Cy
Contractor Signature
Contractors License Number CBC054575
Competency Card Number
NOTARY STAMP/SEAL

Leigh Ann Cannon
Notary Signature



Permit Application Number 06-0632N

Cornerstone Dev LLC
Chris
NOT 1, Magnolia Hills



Notes: _____

MASTER CONTRACTOR

Not Approved_____

By _____

Columbia

County Health Department

Page 2 of 4

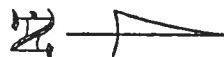
RANGE 16 EAST.
COLUMBIA COUNTY, FLORIDA.

OF SA 1/4 OF SA 1/4
OF SECTION IN
13.5.16 E
SET 6 CONCRETE
MATERIALS IS 4708

UNPAID
LANDS
NOT A PART.

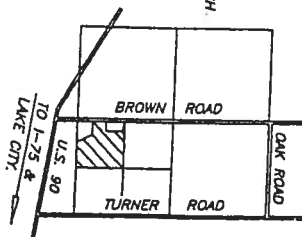
GRAPHIC SCALE
SCALE 1" = 100'

SCALE 1" = 100'

[illegible]

UNEVALUATED
LANDS
NOT A PART

LOCATION SKETCH
NOT TO SCALE
SECTION 28,
T 3 S, R 16 E.



MARK D. DUREN, P.S.M.
TS 4700

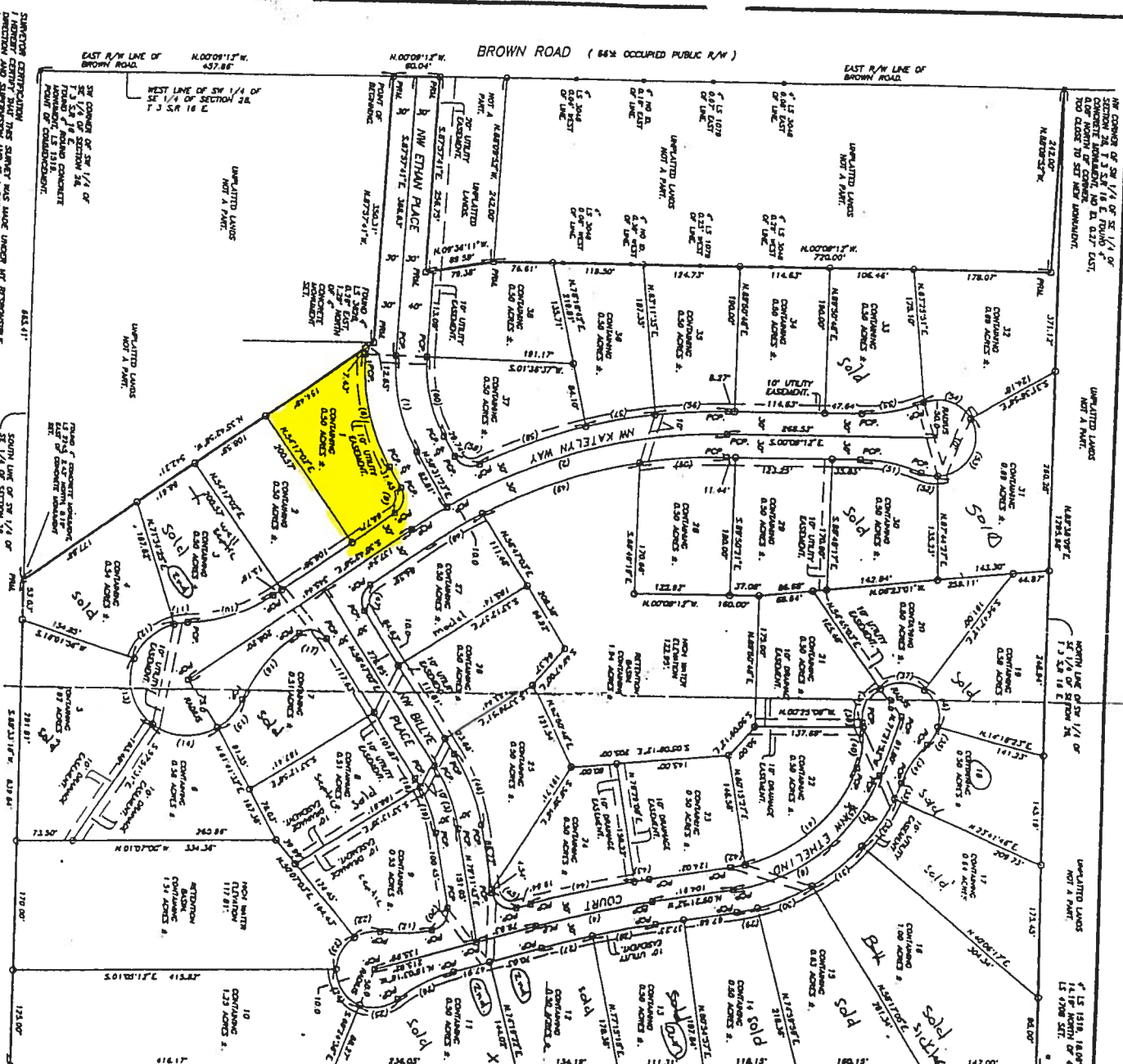
IS 4300

RT. 18 BOX 555

MEMBERS WELCOME ROAD
KE CITY FLA 32005

4) 758-9831 OFFICE

WO#: 140-04-96F



Prepared by and return to:

Home Town Title of North Florida
2744 US Highway 90 West
Lake City, FL 32055
386-754-7175
File Number: 2005-2188

Inst:2006003506 Date:02/13/2006 Time:16:16

Doc Stamp-Deed : 3276.00

L. F. - DC, P. DeWitt Cason, Columbia County B:1073 P:2551

[Space Above This Line for Recording Data]

Warranty Deed

This Warranty Deed made this 9th day of February, 2006 between James Lambert Hair, II, a married person not residing on subject property whose post office address is 314 North Marion Avenue, Lake City, FL 32055, grantor, and Cornerstone Developers, LLC, a Florida Limited Liability Company whose post office address is 180 NW Amenity Court, Lake City, FL 32055, grantee:

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

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

Lots 1, 2, 6, 9, 10, 20, 22, 23, 24, 25, 26, 28, 29, 33, 35, 36, 37 and 38 of MAGNOLIA HILLS, according to the plat thereof as recorded in Plat Book 6, Page 189, public records of Columbia County, Florida.

Parcel Identification Number: R023777-101,102,106,109,120,110,122

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2005.

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

Signed, sealed and delivered in our presence:

Witness Name: BARBARA A. ERADDOSIO

Witness Name: DAWNA W. LANG

James Lambert Hair, II (Seal)

State of Florida
County of Columbia

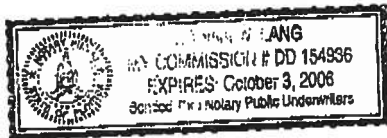
The foregoing instrument was acknowledged before me this 9th day of February, 2006 by James Lambert Hair, II, who ☐ is personally known or ☒ has produced a driver's license as identification.

[Notary Seal]

Dawna W. Lang
Notary Public

Printed Name: DAWNA W. LANG

My Commission Expires: _____

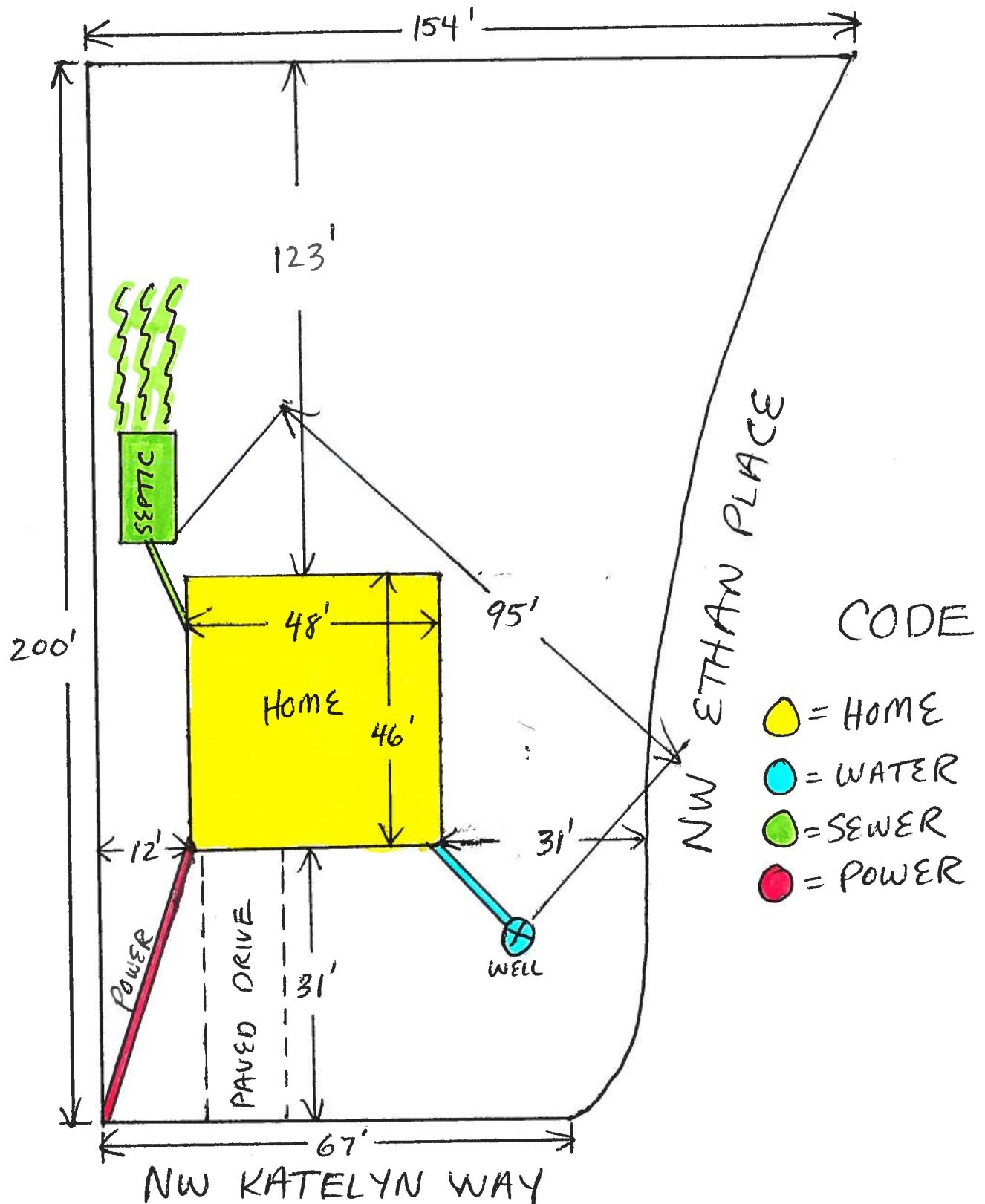


Inst:2006003506 Date:02/13/2006 Time:16:16

Doc Stamp-Deed : 3276.00

DC,P.DeWitt Cason,Columbia County B:1073 P:2552

MAGNOLIA HILLS COLUMBIA COUNTY, FL. LOT 1 SITE PLAN



HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
~~XXXXXX~~ XXXXXXXX
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

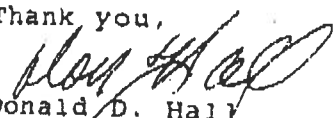
June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,


Donald D. Hall
DDH/jk

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: 606024TheSamuelModel	Builder: Bryan Zecher Construction
Address: Lot: 1, Sub: Magnolia Hills, Plat:	Permitting Office: Columbia
City, State: Lakeland, FL	Permit Number: 24779
Owner: Model Home	Jurisdiction Number: 221000
Climate Zone: North	

1. New construction or existing New ☐	12. Cooling systems
2. Single family or multi-family Single family ☐	a. Central Unit Cap: 33.0 kBtu/hr
3. Number of units, if multi-family 1 ☐	SEER: 11.00
4. Number of Bedrooms 3 ☐	b. N/A ☐
5. Is this a worst case? Yes ☐	c. N/A ☐
6. Conditioned floor area (ft²) 1500 ft² ☐	13. Heating systems
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)	a. Electric Heat Pump Cap: 33.0 kBtu/hr
a. U-factor: Description Area	HSPF: 7.30
(or Single or Double DEFAULT) 7a. (Dble Default) 186.0 ft² ☐	b. N/A ☐
b. SHGC:	c. N/A ☐
(or Clear or Tint DEFAULT) 7b. (Clear) 186.0 ft² ☐	14. Hot water systems
8. Floor types	a. Electric Resistance Cap: 40.0 gallons
a. Slab-On-Grade Edge Insulation R=0.0, 192.0(p) ft ☐	EF: 0.93
b. N/A ☐	b. N/A ☐
c. N/A ☐	c. Conservation credits
9. Wall types	(HR-Heat recovery, Solar
a. Frame, Wood, Adjacent R=13.0, 183.0 ft² ☐	DHP-Dedicated heat pump)
b. Frame, Wood, Exterior R=13.0, 1108.0 ft² ☐	15. HVAC credits
c. N/A ☐	(CF-Ceiling fan, CV-Cross ventilation,
d. N/A ☐	HF-Whole house fan,
e. N/A ☐	PT-Programmable Thermostat,
10. Ceiling types	MZ-C-Multizone cooling,
a. Under Attic R=30.0, 1558.0 ft² ☐	MZ-H-Multizone heating)
b. N/A ☐	
c. N/A ☐	
11. Ducts	
a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 150.0 ft ☐	
b. N/A ☐	

Glass/Floor Area: 0.12

Total as-built points: 23429

Total base points: 23666

PASS

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

PREPARED BY: Ben Spauld

DATE: 6-5-06

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

OWNER/AGENT: Chris W. Cr

DATE: 6-19-06

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Magnolia Hills, Plat: , Starke, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X SPM X SOF = Points							
.18	1500.0	20.04	5410.8	Double, Clear	SE	2.0	5.5	45.0	42.75	0.77	1488.9
				Double, Clear	S	6.5	5.5	15.0	35.87	0.49	266.1
				Double, Clear	SE	12.0	5.3	45.0	42.75	0.39	759.0
				Double, Clear	E	8.5	7.0	10.0	42.06	0.47	196.6
				Double, Clear	SW	2.0	1.5	3.0	40.16	0.44	53.0
				Double, Clear	NW	9.5	7.5	6.0	25.97	0.60	93.2
				Double, Clear	NW	2.0	5.5	30.0	25.97	0.86	666.7
				Double, Clear	NW	2.0	8.0	30.0	25.97	0.93	721.1
				Double, Clear	NE	1.5	1.5	2.0	29.56	0.59	34.6
				As-Built Total:				186.0		4279.2	
WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Adjacent	183.0	0.70	128.1	Frame, Wood, Adjacent			13.0	183.0	0.60		109.8
Exterior	1108.0	1.70	1883.6	Frame, Wood, Exterior			13.0	1108.0	1.50		1662.0
Base Total:		1291.0	2011.7	As-Built Total:				1291.0		1771.8	
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points							
Adjacent	20.0	1.60	32.0	Exterior Insulated				20.0	4.10		82.0
Exterior	40.0	4.10	164.0	Exterior Insulated				20.0	4.10		82.0
				Adjacent Insulated				20.0	1.60		32.0
Base Total:		60.0	196.0	As-Built Total:				60.0		196.0	
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points							
Under Attic	1500.0	1.73	2595.0	Under Attic			30.0	1558.0	1.73 X 1.00		2695.3
Base Total:		1500.0	2595.0	As-Built Total:				1558.0		2695.3	
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Slab	192.0(p)	-37.0	-7104.0	Slab-On-Grade Edge Insulation			0.0	192.0(p)	-41.20		-7910.4
Raised	0.0	0.00	0.0								
Base Total:			-7104.0	As-Built Total:				192.0		-7910.4	
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
	1500.0	10.21	15315.0					1500.0	10.21		15315.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Magnolia Hills, Plat: , Starke, FL,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 18424.5				Summer As-Built Points: 16346.9						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
18424.5	0.4266		7859.9	(sys 1: Central Unit 33000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 16347	1.00	(1.09 x 1.147 x 1.00)	0.310	1.000		6341.2
18424.5	0.4266		7859.9	16346.9	1.00	1.250	0.310	1.000		6341.2

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Magnolia Hills, Plat: , Starke, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1500.0	12.74	3439.8	Double, Clear	SE	2.0	5.5	45.0	14.71	1.21	798.3
				Double, Clear	S	6.5	5.5	15.0	13.30	3.03	603.9
				Double, Clear	SE	12.0	5.3	45.0	14.71	2.54	1682.8
				Double, Clear	E	8.5	7.0	10.0	18.79	1.34	252.1
				Double, Clear	SW	2.0	1.5	3.0	16.74	1.76	88.2
				Double, Clear	NW	9.5	7.5	6.0	24.30	1.03	149.9
				Double, Clear	NW	2.0	5.5	30.0	24.30	1.01	734.7
				Double, Clear	NW	2.0	8.0	30.0	24.30	1.00	731.2
				Double, Clear	NE	1.5	1.5	2.0	23.57	1.04	49.2
				As-Built Total:				186.0			
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	183.0	3.60	658.8	Frame, Wood, Adjacent	13.0		183.0	3.30	603.9		
Exterior	1108.0	3.70	4099.6	Frame, Wood, Exterior	13.0		1108.0	3.40	3767.2		
Base Total: 1291.0 4758.4				As-Built Total: 1291.0				4371.1			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	20.0	8.00	160.0	Exterior Insulated			20.0	8.40	168.0		
Exterior	40.0	8.40	336.0	Exterior Insulated			20.0	8.40	168.0		
				Adjacent Insulated			20.0	8.00	160.0		
Base Total: 60.0 496.0				As-Built Total: 60.0				496.0			
CEILING TYPESArea X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1500.0	2.05	3075.0	Under Attic	30.0		1558.0	2.05 X 1.00	3193.9		
Base Total: 1500.0 3075.0				As-Built Total: 1558.0				3193.9			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	192.0(p)	8.9	1708.8	Slab-On-Grade Edge Insulation	0.0	192.0(p)	18.80	3609.6			
Raised	0.0	0.00	0.0								
Base Total: 1708.8				As-Built Total: 192.0				3609.6			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1500.0 -0.59 -885.0				1500.0 -0.59 -885.0							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Magnolia Hills, Plat: , Starke, FL,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		12593.0		Winter As-Built Points:			15876.0			
Total Winter X Points	System = Multiplier	Heating Points		Total X Cap X Component Ratio	Duct X Multiplier	System X Multiplier	Credit = Multiplier	Heating Points		
				(System - Points) (DM x DSM x AHU)						
				(sys 1: Electric Heat Pump 33000 btuh ,EFF(7.3) Ducts:Unc(S),Unc(R),Gar(AH),R6.0						
12593.0	0.6274	7900.8		15876.0	1.000	(1.069 x 1.169 x 1.00)	0.467	1.000	9267.5	
12593.0	0.6274	7900.8		15876.0	1.00	1.250	0.467	1.000	9267.5	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Magnolia Hills, Plat: , Starke, FL,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank X	Multiplier X Credit = Total
Number of	X	Multiplier	=	Volume		Bedrooms		Ratio	Multiplier
Bedrooms			Total						
3		2635.00	7905.0	40.0	0.93	3		1.00	2606.67 1.00 7820.0
				As-Built Total:					7820.0

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling	+	Heating	+	Cooling	+	Heating	+
Points		Points		Points		Points	
			Hot Water				Hot Water
			Points				Points
			=				=
			Total				Total
			Points				Points
7860		7901	7905	23666	6341	9268	7820 23429

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 1, Sub: Magnolia Hills, Plat: , Starke, FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.2

The higher the score, the more efficient the home.

Model Home, Lot: 1, Sub: Magnolia Hills, Plat: , Starke, FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 33.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1500 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 33.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 186.0 ft ²		HSPF: 7.30
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 186.0 ft ²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 192.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.93
9. Wall types		b. N/A	
a. Frame, Wood, Adjacent	R=13.0, 183.0 ft ²	c. Conservation credits	
b. Frame, Wood, Exterior	R=13.0, 1108.0 ft ²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 1558.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 150.0 ft		
b. N/A			

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

Builder Signature: Chris G

Date: 6-19-06

Address of New Home: 174 NW KATELYN WAY City/FL Zip: LAKE CITY, FL. 32055



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

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLR2PB v4.1)

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001159

DATE 07/24/2006 PARCEL ID # 28-3S-16-02377-101
APPLICANT SUSAN FAIR PHONE 386.752.1711
ADDRESS 180 NW AMENITY COURT LAKE CITY FL 32055
OWNER CORNERSTONE DEVELOPERS PHONE 386.752.1711
ADDRESS 174 NW KATELYN WAY LAKE CITY FL 32055
CONTRACTOR BRYAN ZECHER PHONE 386.752.8653
LOCATION OF PROPERTY 90-W TO BROWN RD, TR TO 1/4 MILE AND TURN R ON ETHAN PLACE, 1ST.
LOT ON R. _____

SUBDIVISION/LOT/BLOCK/PHASE/UNIT MAGNOLIA HILLS 1

SIGNATURE _____

INSTALLATION REQUIREMENTS

☐

Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
 - b) the driveway to be served will be paved or formed with concrete.
- Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

☐

Culvert installation shall conform to the approved site plan standards.

☐

Department of Transportation Permit installation approved standards.

☒

Other WAIVER REQUEST FOR 18"X24' MITERED CULVERTS IN S.D.

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALLATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00

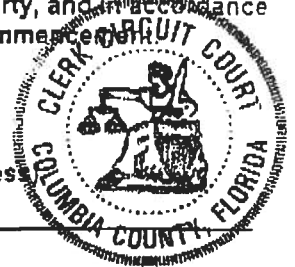


24779

**NOTICE OF COMMENCEMENT FOR
COLUMBIA COUNTY, FLORIDA**

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

Tax Parcel ID Number 28-35-16-02377-101



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

Lot 1, Magnolia Hills
174 NW Katelyn way
Lake City, FL 32055

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY that the above and foregoing
is a true copy of the original filed in this office.
P. DEWITT CASON, CLERK OF COURTS

By Sharon Feagle
Deputy Clerk

2. General description of Improvement: New Home

Date 06-20-06

3. Owner Name & Address Cornerstone Developers, LLC, 180 N.W.
Amenity Ct, Lake City, FL 32055 Interest In Property Fee Simple

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

5. Contractor Name Bryan Zecher Construction Phone Number 386-752-8653
Address P.O. Box 815 Lake City, FL 32056

6. Surety Holders Name N/A Phone Number

Address

Amount of Bond N/A

7. Lender Name N/A

Address

nst:2006011778 Date:06/20/2006 Time:13:04

S. P. DC, P. Dewitt Cason, Columbia County B:1087 P:715

8. Persons within the State of Florida designated by the
served as provided by section 718.13 (1)(a) 7; Florida St

Name N/A

Address

9. In addition to himself/herself the owner designates N/A of

to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee N/A

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording
(Unless a different date is specified) N/A

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Signature of Owner



Sworn to (or affirmed) and subscribed before
day of June 19, 2006

NOTARY STAMP/SEAL

Susan Ann Fair

Signature of Notary



UNIVERSAL

ENGINEERING SCIENCES

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

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

REPORT ON IN-PLACE DENSITY TESTS

CLIENT: CONVERSION DEVELOPMENT

PROJECT: Magnolia Hills Lot 1

174 N.W. KATHY WAY

CC6640612 CC6

AREA TESTED: Fill & prop. Bldg. Foundation

COURSE: F16

DEPTH OF TEST: 0-1'

TYPE OF TEST: D-2922

DATE TESTED: 1-19-07

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

REMARKS:

[illegible]TECH. 50

DATE: 1-18-07

W.O. NUMBER:

WEATHER:

ON SITE TIME: 1.0 hr.

TRAVEL TIME:

SCOPE OF FIELD WORK:

visited the above Ref. project to inspect the undercut of the SIG material & prop. Bldg. PAD on lot 1 of Magnolia Hills. The undercut area was probed and found to be stable and in a non-yielding condition, a total of 3' of unsuitable clayey material was removed and hauled off site. The undercut was BIF with a clean fill material hauled in from off site.

COPIES TO:

FIELD REPORT RECORD



Consulting Geotechnical Engineers



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ENGINEERING SCIENCES

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

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

REPORT ON IN-PLACE DENSITY TESTS

Permit # 000024779

CLIENT: Coarner Stone Del.

PROJECT: Magnolia Hills Lot #1

174 NW Katelyn Way Lake City FL 32085 (Columbia CTy)

AREA TESTED: Fill & Prop Bldg Pad.

COURSE: F/G

DEPTH OF TEST: 0-1'

TYPE OF TEST: ASTM D-2922

DATE TESTED: 1-15-07

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

REMARKS: _____

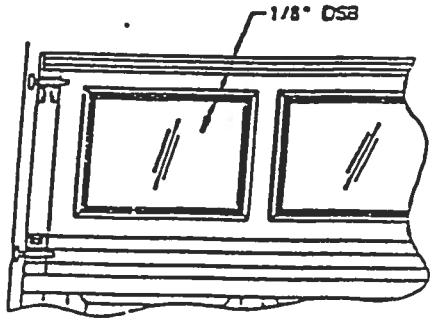
LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT. MOIST.
		112.0			12.0
Approx center of ^{1/2} N side of prop PAD.	110.4		98.6	6.1	
Approx C of PAD.	108.4		96.8	7.0	
Approx C of west ^{1/2} side of Prop Bldg PAD	109.0		97.3	6.7	

TECH. J/TG

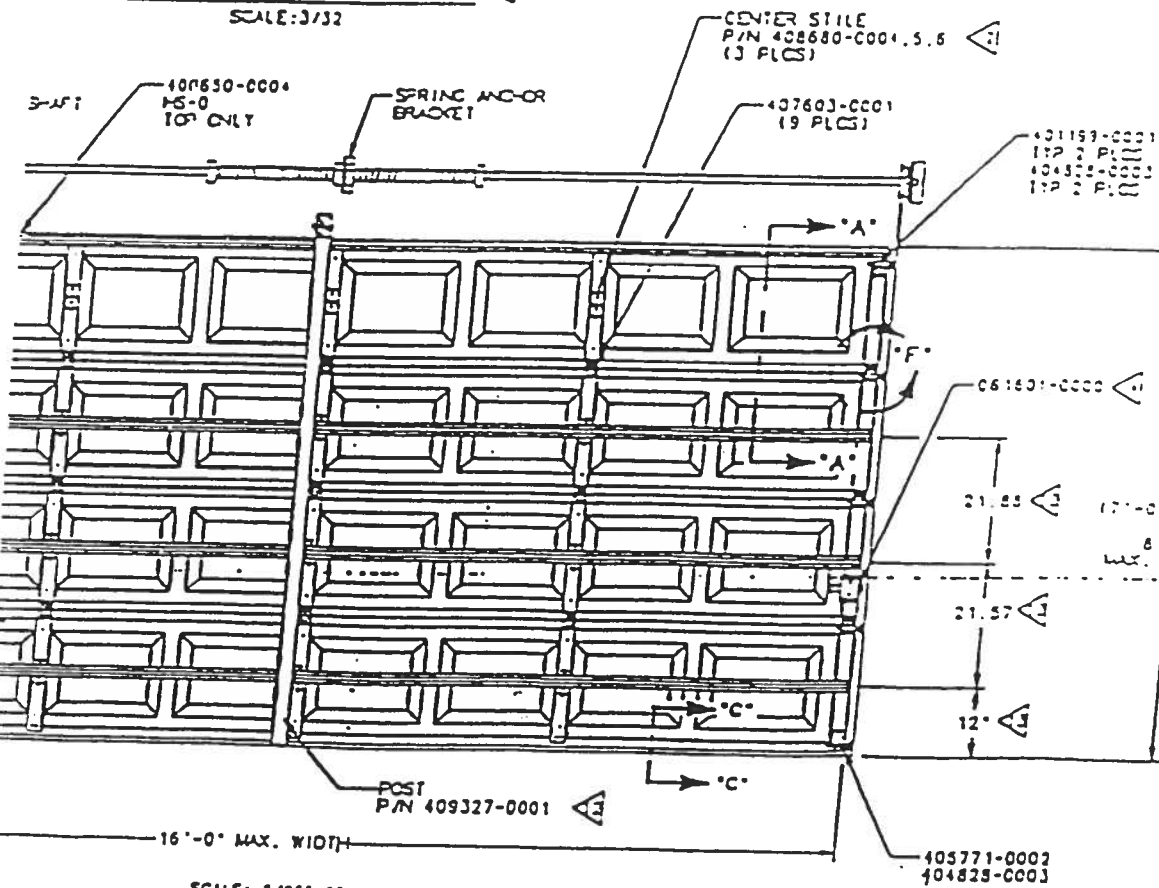
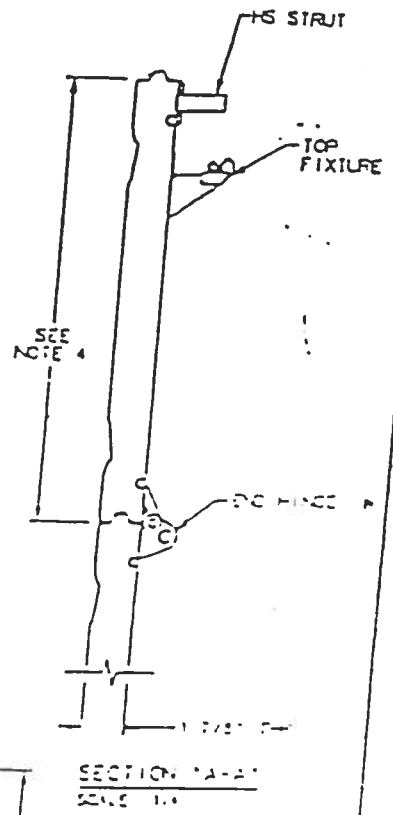
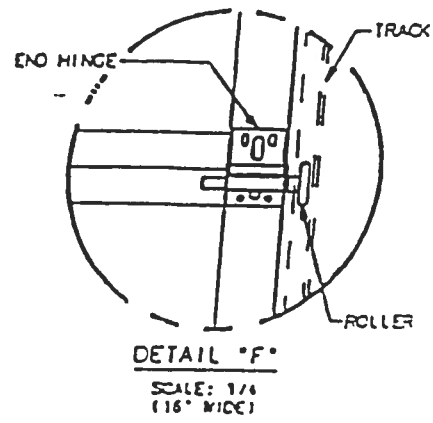
SECTION WITH 5 OR MORE SECTIONS MUST BE
 2 STRUTS FOR THE ADDITIONAL INTERMEDIATE
 ON THE THIRD SECTION.
 2. SECTIONS LESS THAN 20.812" MUST BE
 THE ACTUAL SECTION HEIGHT & 20.812".
 1 X 5/8" LONG TYPE AB HEX HEAD METAL SCREW
 4 WIND WARNINGS ISSUED.

GARAGE DOORS

REVISIONS			
REV	DESCRIPTION	DATE	BY
A	REV PER EN 10130	3/08/98	C
B	REV PER EN 10141	3/13/98	C
C	REV PER EN 10132	1/8/97	C



OPTIONAL WINDOW DETAIL
 SCALE: 3/32



DESIGN LOAD
 25 PSF =
 TEST LOAD
 37.5 PSF =

[Handwritten signature]
 10/10/01

SCALE: 1/16" = 1"
 INTERIOR ELEVATION

THE DRAWING AND/OR TECHNICAL INFORMATION ON THIS
 SHEET IS THE PROPERTY OF GARAGE DOOR CORPORATION
 AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY
 FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL,
 INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY
 INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT
 THE WRITTEN PERMISSION OF GARAGE DOOR CORPORATION.
 SCALE: THIS SHEET IS AT THE TOP.

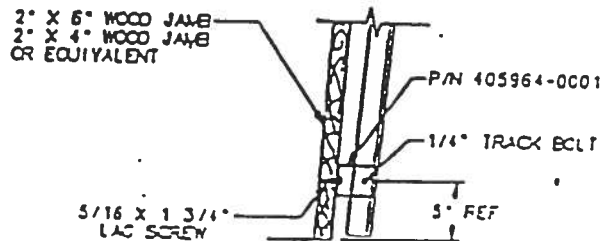
MATERIAL SPECIFICATIONS			DATE	BY
DESCRIPTION	QTY	UNIT	DATE	BY
407603-0001	19	PLCS	01/13/98	M. YOUNG
401153-0001	1	PL	02/19/98	DAVID FAX
404325-0001	1	PL	02/19/98	DAVID FAX
405771-0002	1	PL	02/19/98	DAVID FAX
404825-0003	1	PL	02/19/98	DAVID FAX
406530-0004	1	PL	02/19/98	DAVID FAX
409327-0001	1	PL	02/19/98	DAVID FAX

SERIES 280 & 180
 RES. STL DR. 16'-0" MAX
 WIDTH WINDOW
 D-409335

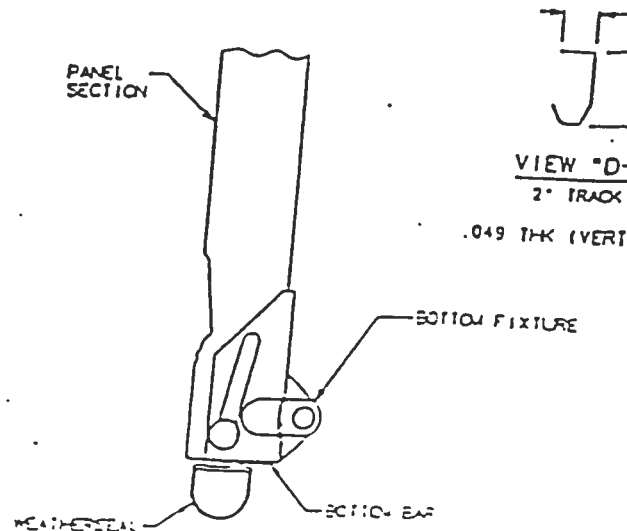
NOTES

1. TESTED IN ACCORDANCE WITH STANDARD BUILDING CODE, CHAPTER 17, TO A POSITIVE AND NEGATIVE 37.5 PSF.
2. DASH NUMBERS REPRESENT VARIOUS SECTION HEIGHTS.
3. FOUR SECTION 7' HIGH DOOR SHOWN. 8' HIGH DOORS HAVE FIVE SECTIONS.
4. SECTION HEIGHT OF 20.312, 19.00 & 16.75 ARE AVAILABLE AND MAY BE USED IN COMBINATION TO ACHIEVE VARIOUS HEIGHT DOORS.
5. EMBOSSEMENT PATTERN OF 14.50 X 20.375 SHOWN. ALTERNATE PATTERNS OF 12.50 X 43.375 AND 12.50 X 20.375 MAY BE USED.
6. TORSION SPRINGS SHOWN. EXTENSION SPRINGS AVAILABLE.
7. USE THIS BRACKET, REF. P/N 405964-0002, ON 8' HIGH DOORS ONLY.
8. WINDOW MAY BE INSTALLED IN THE TOP SECTION OR THE SECTION IMMEDIATELY BELOW THE TOP SECTION.

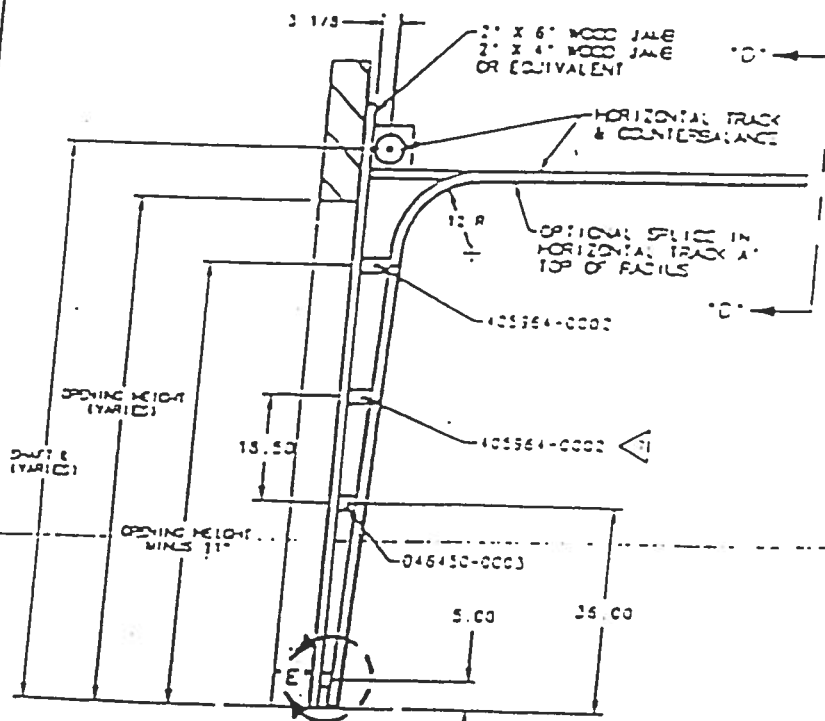
9. THE STRUT PLACEMENT ON (CONSISTENT WITH THE DOOR SECTIONS ARE TO BE PLACED
10. THE STRUT PLACEMENT DIME REDUCED BY THE DIFFERENCI
11. SCREW P/N 605911-0001 IS
12. POST TO BE INSTALLED ONLY
13. STRUT PLACEMENTS CAN VARY
14. QUANTITY FOR LOCKS CAN BE



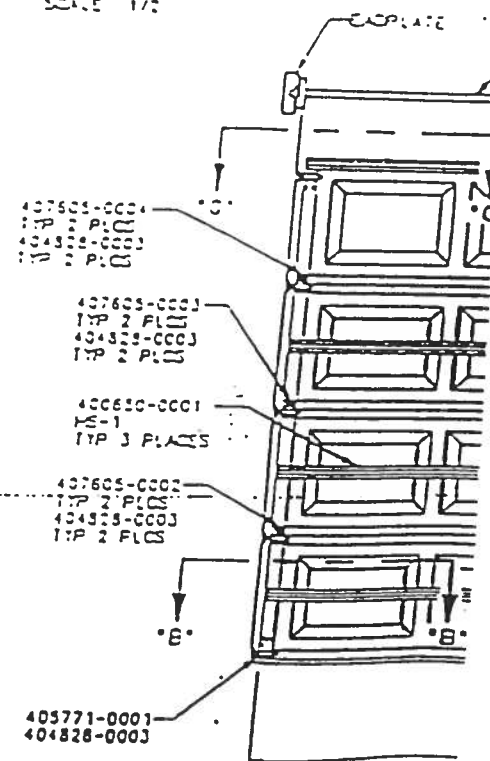
DETAIL "E"
SCALE: 1/3



SECTION "C-C"
SCALE: 1/2



STANDARD TRACK DETAIL FOR 16"
SCALE: 1/16" = 1"



SERIES 280 THRU 289 ARE EQUIVALENT CONSTRUCTION 25GA STEEL
SERIES 180 ARE SAME CONSTRUCTION AS SERIES 280 ONLY 24GA STEEL
AND END CAPS

DOOR TESTED WAS 251 SERIES.

DOOR WIDTH	CENTER STILE	END STILE	ROLLER SWIFT BRACKET	STRUTS/SECT.	ROLLER	VERTICAL TRACK GAGE	JAMB LOAD (LBS PER FT-HI)	HARDWARE
16"	3	SINGLE		H51 H50	2" X 7/16"	.049"	100	STD.

Anthony POWER HEADER®**GARAGE HEADER (84) 26F_b - 1.9E**

ENGINEERED WOOD SECTION PROPERTIES AND LOAD CAPACITIES
ALLOWABLE DESIGN STRESSES (PSI):

FLEXURAL STRESS (F_b) = 2600
COMPRESSION PERP. TO GRAIN ($F_{c\perp}$) = 740
HORIZONTAL SHEAR (F_v) = 225
MODULUS OF ELASTICITY (MOE) = 1.9×10^6

SPAN (feet)	21	24	27	30	33	36	39
WGT (lb/ft)	27.7	9.0	10.4	11.7	12.9	14.2	15.5
MOMENT (ft-lb)	326	514	789	1115	1521	2014	2604
REACT (lb)	8865	12015	15996	20145	24772	29877	35460
REACT (kN)	3908	4550	5250	5892	6533	7175	7817

NOTES:

1. Beam weights are based on 38 pcf.
2. Moment capacities are based on a span of 21 feet and must be modified for other spans.
3. Flexural Stress, F_b , shall be modified by the Volume Factor, C_v , as outlined in AITC 117 - Design 1993 and the NDS for Wood Construction 1997.
4. Allowable design properties and load capacities are based on a load duration of 100 percent and dry use conditions.
5. The AITC NER 466 was used in calculating the above allowable design stresses for Power Header®.

GARAGE HEADER COMPARISONS

WGT (lb/ft)	3-1/2" x 8-3/8"	3-1/2" x 9-5/8"	3-1/2" x 9"	3-1/2" x 9-1/4"	3-1/2" x 11-1/4"
810 / 540	3-1/2" x 8-3/8"	3-1/2" x 9-5/8"	3-1/2" x 9"	3-1/2" x 9-1/4"	3-1/2" x 11-1/4"
990 / 720	3-1/2" x 9-3/4"	3-1/2" x 9-5/8"	3-1/2" x 10-1/2"	3-1/2" x 9-1/4"	3-1/2" x 11-1/4"
640 / 400	3-1/2" x 12-5/8"	3-1/2" x 13-1/4"	3-1/2" x 13-1/2"	3-1/2" x 14"	3-1/2" x 14"
765 / 510	3-1/2" x 14"	3-1/2" x 15-1/8"	3-1/2" x 15"	3-1/2" x 14"	3-1/2" x 16"
750 / 490	3-1/2" x 15-3/8"	3-1/2" x 16-1/2"	3-1/2" x 16-1/2"	3-1/2" x 16"	3-1/2" x 18"
900 / 600	3-1/2" x 16-3/4"	3-1/2" x 17-7/8"	3-1/2" x 18"	3-1/2" x 16"	—

For more information on POWER HEADER®,
or other laminated structural products from
Anthony Forest Products Company please call
1-800-221-2326 or FAX at 870-862-6502.

POWER HEADER® is a trademark of
Anthony Forest Products Company
Post Office Box 1877 • El Dorado, Arkansas 71731
Internet address: <http://www.anthonyforest.com>
e-mail: info@anthonyforest.com
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Distributed by:

WOODFORD PLYWOOD, INC.
"Structural Wood Products"

11980 West Beaver Street
Jacksonville, Florida 32220

(904) 695-9080
(800) 447-6568
FAX (904) 695-9160

26F_b - 1.9E

Anthony POWER HEADER®

3-1/2" WIDTH GARAGE HEADER PLF CAPACITY

844	896	1216	1373									
7161	207	254	330	390	510	552	669	752	824			
114	145	180	231	277	359	391	510	534	653	707	789	

844	975	1322										
161	207	254	330	390	510	552	724	752	897			
114	145	180	231	277	359	391	510	534	699	693		

562	778	888	1056	1363	1367	1582						
107	153	169	245	260	380	368	540	501	715	664	864	840
76	107	120	171	185	267	261	380	356	521	471	684	609 813

NOTES:

1. Values shown are the maximum uniform loads in pounds per lineal foot (PLF) that can be applied to the header. Header weight has been subtracted from the allowable total load.
2. Tables are based on simple span uniform load conditions using a design span equal to the center-to-center of bearing. Non-shaded areas are based on 3" of bearing at each support, shaded areas on 4.5" of bearing, and shaded & outlined areas on 6" of bearing at supports.
3. Headers are assumed to be loaded on the top edge with continuous lateral support along compression edge.
4. When no live load is listed, total load controls.
5. Deflection limits are listed within the PLF table heading.

GARAGE HEADER SIZING USING PLF TABLES:

To size a garage header supporting roof only, determine the total load & live load in pounds per lineal foot (PLF). Check the appropriate PLF table for a header supporting roof loads only (125% Non-Snow vs. 115% Snow) and select a member with a total load and live load capacity which meets or exceeds the design load for the rough opening size. For a garage header supporting roof, wall, and floor framing, determine the total load and live load in pounds per lineal foot (PLF). Select a header size from the roof, wall, and floor table (100% load duration) which has a total load and live load capacity equal to or greater than the design load for the appropriate rough opening.

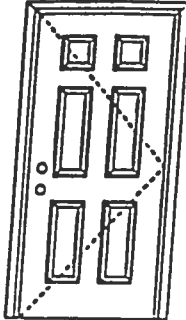
X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door

Maximum unit size = 3'0" x 6'8"

Design Pressure

+66.0/-66.0

limited water unless special threshold design is used

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistance requirements for a specific building design and protective system is determined by ASCE 7-02 and state or local building codes which the region requires.



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS-WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MCDWL-MAC001-02

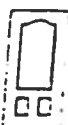
MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MCDWL-MAC001-02

APPROVED DOOR STYLES:



Plain



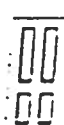
A101 Top 3-panel



3-panel



6-panel



New England 4-panel



Colonial 4-panel



8-panel



8-panel



10-panel



6-panel



6-panel with screen



Eyebrow 5-panel



Eyebrow 5-panel with screen

Johnson
EntrySystems

June 17, 2002

Our continuing program of product development makes specifications and standards obsolete and we advise customers to consult with us for the latest information.

PREVOCOR[®] International
Premium Quality Doors

Exclusively from
Masonite

Masonite International Corporation

X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L. Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 56533



Test Data Review Certificate #2025447A
and COP/Test Report Verification Matrix
#2025447A-001 provides additional
information - available from the ITS WH
website (www.itswh.com), the
Masonite website (www.masonite.com)
or the Masonite Technical Center.

Johnson
EntrySystems

June 17, 2002
Our continuing program of product development and improvements makes our products
and services the most advanced in the industry.



Exclusively from
Masonite

Masonite International Corporation

WINDOWS



AAMA/NWDA 101/I.S.2-97
TEST REPORT SUMMARY

Rendered to:

MH HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin
TYPE: Aluminum Single Hung Window

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft ²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

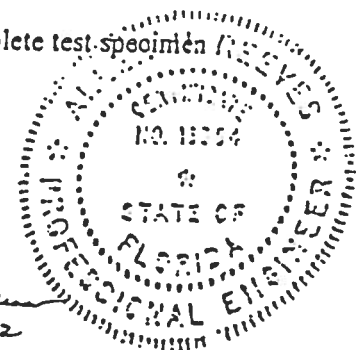
For ARCHITECTURAL TESTING, INC.

Mark A. Hess

Mark A. Hess, Technician

MAH:nlb

Allen T. Reeves
1 APRIL 2002





Architectural Testing

AAMA/NWDA 101/I.S.2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01

Test Date: 03/07/02

Report Date: 03/26/02

Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

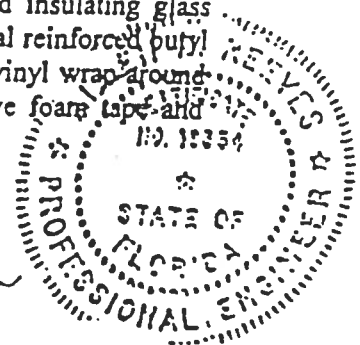
Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allen T. Riemer
1 APRIL 2002



Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

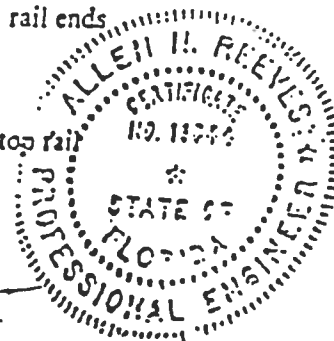
Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Allen H. Reeves
1 APRIL 2002





Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

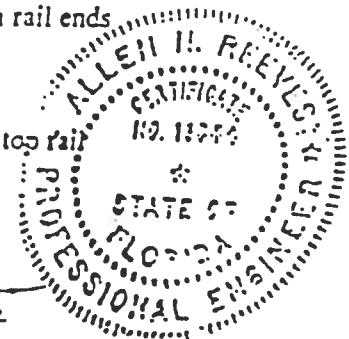
Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Allen H. Reeves
1 APRIL 2002





Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max

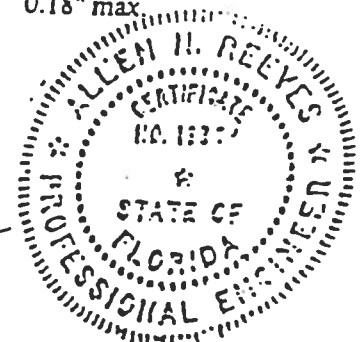
Note #1: The tested specimen meets the performance levels specified in ASTM E 283-91 and 1011.1.5. 2-97 for air infiltration.

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42" 0.43"	0.26" max. 0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
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Allen H. Reeves
1 APRIL 2002





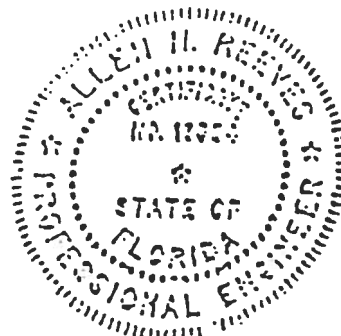
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

MAH:nb
01-41134.01

Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002



Test Specimen Description: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 555-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test:	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test:	No entry	No entry

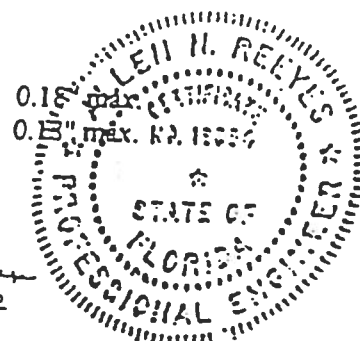
Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"	0.26" max.
	@ 47.2 psf (negative)	0.46"	0.26" max.

*Exceeds L/175 for deflection, but passes all other test requirements.

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)	
@ 67.5 psf (positive)	0.05"
@ 70.8 psf (negative)	0.05"

Allen H. Reeves
1 APRIL 2002



SHINGLES



March 6, 2002

Subject: Elk Product Approval Information

All Prestique® and Capstone® products manufactured in Tuscaloosa, AL are certified under the Miami - Dade County Building Code Office (BCCO). These products also meet the requirements for the Florida Building Code since they are MD approved. The following test protocols must be passed by each of the products in order for MD product certification:

ASTM D3462

PA 100 (110 mph uplift and wind driven rain resistance)

PA 107 (Modified ASTM D3161 - 110 mph wind uplift resistance)

The nailing patterns that were used during the PA 100 and PA 107 wind test protocols for the Prestique and Capstone products are listed below. Also listed below are the Miami - Dade Notice of Acceptance Numbers (NOA).

Raised Profile, Prestique High Definition, Prestique 33, or Prestique 39 -

PA 100 = 4 nails

PA 107 = 5 nails

MD NOA# = 01-1226 04

Prestique 135 or Prestique 136 -

PA 100 = 4 nails

PA 107 = 5 nails

MD NOA# = 01-1226 05

Prestique Plus or Prestique Gallery Collection* -

PA 100 = 4 nails

PA 107 = 4 nails

MD NOA# = 01-1226 03

Capstone*

PA 100 = 4 Nails

PA 107 = 4 Nails

MD NOA# = 01-0523 01

* As per the Elk Limited Warranty, six nails are required for the Elk high wind warranty.

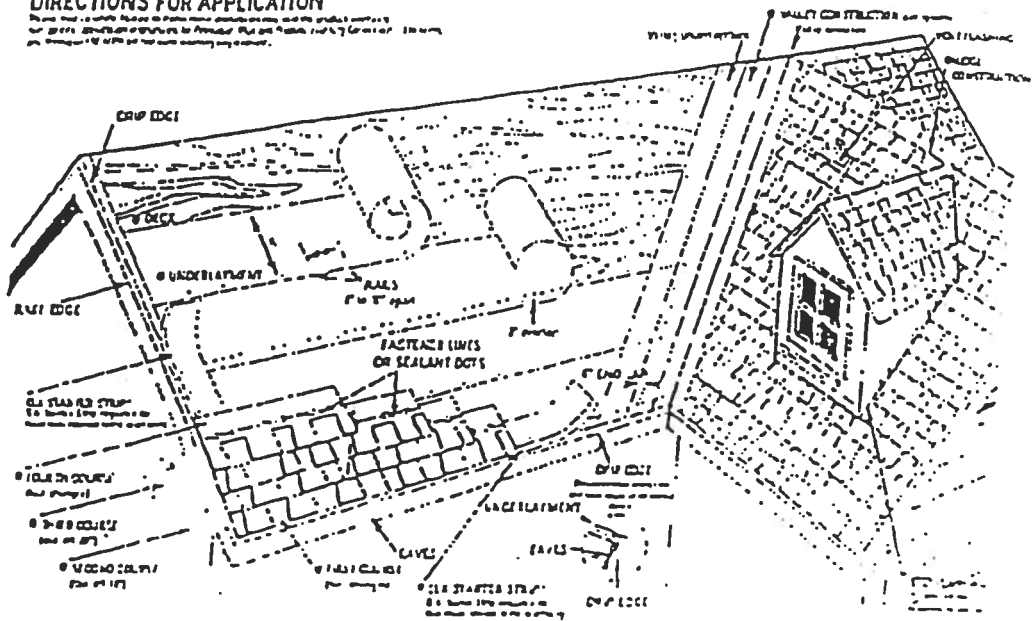
If there are any questions please contact:

Mike Reed - Technical Manager
(205) 342-0287

or Daniel DeJarnette - QA Engineer
(205) 342-0293

DIRECTIONS FOR APPLICATION

It was found that the above information was not sufficient to determine the exact nature of the information and the results of the investigation. The information was not sufficient to determine the exact nature of the information and the results of the investigation. The information was not sufficient to determine the exact nature of the information and the results of the investigation.



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אשר יצאנו ממצרים ואת כל אשר עשה לנו
וְעַתָּה אֵלֶיךָ שׁוֹבִים וְנִשְׁכַּחַם לְפָנֶיךָ כֻלָּם
וְאַתָּה הוֹדֵינוּ בְּרַחֲמֶיךָ וּבְחַסְדֶּיךָ וּבְחַיֵּיךָ
וּבְחַסְדֶּיךָ וּבְחַיֵּיךָ וּבְחַסְדֶּיךָ וּבְחַיֵּיךָ

LET FASHING FOR THE JAMES EARL RAY

TO THE HONORABLE CHIEF OF POLICE
CITY OF NEW YORK

SIR:

I have the honor to acknowledge the receipt of your letter of the 10th inst.

and in reply to inform you that the same has been forwarded to the proper authorities for their consideration.

I am, Sir, very respectfully,
Your obedient servant,

J. J. [Signature]

10. The above information was obtained from the files of the FBI, New York Office, and is being furnished to you for your information.

1. The first part of the document is a list of names and addresses, which appears to be a directory or a list of contacts. The names are written in a cursive script, and the addresses are listed below them.

[illegible]

1. FIRST COURSE
 2. SECOND COURSE

אני מודה לך מאוד על כל מה שעשית בשבילי.
אני מקווה שאתה נמצאת בריאות טובה ושמחה.
אני אפגוש אותך בקרוב.

אהבה,
דוד

1992

3. RESEARCH DESIGN
 The study was a quantitative study using a survey design.
 The data was collected using a questionnaire.

0 1417 (00)720000

1. The first part of the document is a list of names and their corresponding addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

[illegible]

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

הנהגתו של השר לא תהיה נכונה, והוא לא יוכל להנהיג את הממשלה. הוא לא יוכל להנהיג את הממשלה. הוא לא יוכל להנהיג את הממשלה.

[illegible]

THE UNITED STATES OF AMERICA
DO hereby certify that
[Name] is a citizen of the United States of America
and is entitled to the rights and privileges of citizenship.
IN WITNESS WHEREOF, I have hereunto set my hand and the seal of the
Department of State, at Washington, D.C., this [Date] day of [Month], 19[Year].
[Signature]
[Title]

הנהגתו של המנהל הכללי, שיש לו סמכות מלאה, היא שיש להקדים את טובת המדינה על פני כל דבר אחר. והוא מודע לכך שיש לו סמכות מלאה, ולכן הוא מודע לכך שיש לו סמכות מלאה.

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Figure 1

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 03-20-93 BY 4113

1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.

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Figure 1 is a schematic representation of the experimental design. It shows a sequence of events: 'Stimulus presentation', 'Response', 'Feedback', and 'Inter-trial interval'. The sequence is repeated for multiple trials, with a 'Start' box at the beginning and an 'End' box at the end.

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SECTION TO WHOLESALE

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...of handling the ...
...these things completely wrong ...
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ELK 

www.dls.org.cn

ELK
www.elkcan.com

www.qltcorp.com

ROOFING PRODUCTS SPECIFICATIONS TUSCALOOSA, AL



**PRESTIGE®
HIGH DEFINITION®**



RAISED PROFILE

ה'תשנ"א	1970	ה'תשנ"א
ה'תשנ"ב	71	ה'תשנ"ב
ה'תשנ"ג	72	ה'תשנ"ג
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[illegible]

HIP AND RIDGE SHINGLES

1. The first step is to identify the problem or question that needs to be answered.

[illegible][illegible]

1. The first part of the document is a letter from the President of the United States to the President of the Senate, dated January 1, 1877. The letter is signed by Rutherford B. Hayes and is addressed to Charles Schreyer. The letter is a copy of the original, which is in the possession of the President of the Senate.

A3 Prominence and Refined Profile Structures meet UL's Wind Resistance (UL 101) and Seals "A" Fire Ratings (UL 10C) and ASTM Specifications D 3318, Type 1, D 3318, Type 2, C 101 and the requirements of ASTM D 3311.

אין אונזערע פארגעגאנגענע יארן האבן מיר געטון א גרויסע ארבעט צו פארבעסערן אונזערע דאקומענטן און אונזערע ארבעטן. און מיר האבן געטון א גרויסע ארבעט צו פארבעסערן אונזערע דאקומענטן און אונזערע ארבעטן.

[illegible]

14. How many people are there in your family?
 15. What do you do for a living?

1. The first step is to identify the problem. This involves understanding the current situation and the goals that need to be achieved.

[illegible][illegible]

הנהגתו של המנהל, אשר נעדרה כל סמכות, נכונה ונכונה. (2)
הנהגתו של המנהל, אשר נעדרה כל סמכות, נכונה ונכונה. (2)

[illegible]

התאחדות המורים והמורות

SOUTHEAST &
ATLANTIC OFFICE:
BX 945.5551

CORPORATE HEADQUARTERS:
87154 7732

PLANT LOCATION
840.945.5545

ELK
www.elkcorp.com

Residential System Sizing Calculation

Summary

Model Home

Project Title:
606024TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

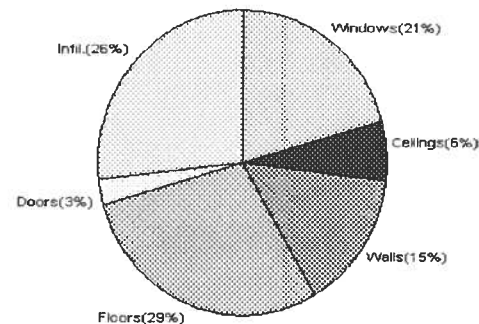
6/5/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	28838 Btuh	Total cooling load calculation	23382 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	114.4 33000	Sensible (SHR = 0.75)	133.1 24750
Heat Pump + Auxiliary(0.0kW)	114.4 33000	Latent	172.5 8250
		Total (Electric Heat Pump)	141.1 33000

WINTER CALCULATIONS

Winter Heating Load (for 1500 sqft)

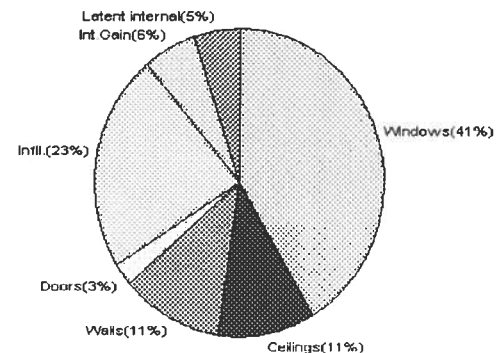
Load component			Load	
Window total	186	sqft	5987	Btuh
Wall total	1291	sqft	4240	Btuh
Door total	60	sqft	777	Btuh
Ceiling total	1558	sqft	1836	Btuh
Floor total	192	sqft	8383	Btuh
Infiltration	188	cfm	7615	Btuh
Duct loss			0	Btuh
Subtotal			28838	Btuh
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			28838	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1500 sqft)

Load component			Load	
Window total	186	sqft	9641	Btuh
Wall total	1291	sqft	2587	Btuh
Door total	60	sqft	588	Btuh
Ceiling total	1558	sqft	2580	Btuh
Floor total			0	Btuh
Infiltration	98	cfm	1824	Btuh
Internal gain			1380	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			18600	Btuh
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			3581	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			4781	Btuh
TOTAL HEAT GAIN			23382	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *V. J. J. J.*

DATE: *6-5-06*

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Model Home

Project Title:
606024TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

Starke, FL

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

6/5/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	45.0		32.2	1449 Btuh
2	2, Clear, Metal, 0.87	N	15.0		32.2	483 Btuh
3	2, Clear, Metal, 0.87	NW	45.0		32.2	1449 Btuh
4	2, Clear, Metal, 0.87	W	10.0		32.2	322 Btuh
5	2, Clear, Metal, 0.87	NE	3.0		32.2	97 Btuh
6	2, Clear, Metal, 0.87	SE	6.0		32.2	193 Btuh
7	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
8	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
9	2, Clear, Metal, 0.87	SW	2.0		32.2	64 Btuh
Window Total			186(sqft)			5987 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Adj(0.09)	13.0	183		3.3	601 Btuh
2	Frame - Wood - Ext(0.09)	13.0	1108		3.3	3639 Btuh
Wall Total			1291			4240 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		20		12.9	259 Btuh
Door Total			60			777Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1558		1.2	1836 Btuh
Ceiling Total			1558			1836Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	192.0 ft(p)		43.7	8383 Btuh
Floor Total			192			8383 Btuh
Zone Envelope Subtotal:						21223 Btuh
Infiltration	Type	ACH	Zone Volume	CFM=		
	Natural	0.94	12000	188.0		7615 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					28838 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Model Home

Project Title:
606024TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

6/5/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	28838 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	28838 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Model Home

Project Title:
606024TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

Starke, FL

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

6/5/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	45.0		32.2	1449 Btuh
2	2, Clear, Metal, 0.87	N	15.0		32.2	483 Btuh
3	2, Clear, Metal, 0.87	NW	45.0		32.2	1449 Btuh
4	2, Clear, Metal, 0.87	W	10.0		32.2	322 Btuh
5	2, Clear, Metal, 0.87	NE	3.0		32.2	97 Btuh
6	2, Clear, Metal, 0.87	SE	6.0		32.2	193 Btuh
7	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
8	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
9	2, Clear, Metal, 0.87	SW	2.0		32.2	64 Btuh
Window Total			186(sqft)			5987 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Adj(0.09)	13.0	183		3.3	601 Btuh
2	Frame - Wood - Ext(0.09)	13.0	1108		3.3	3639 Btuh
Wall Total			1291			4240 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		20		12.9	259 Btuh
Door Total			60			777Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1558		1.2	1836 Btuh
Ceiling Total			1558			1836Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	192.0 ft(p)		43.7	8383 Btuh
Floor Total			192			8383 Btuh
Zone Envelope Subtotal:						21223 Btuh
Infiltration	Type	ACH	Zone Volume	CFM=		
	Natural	0.94	12000	188.0		7615 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					28838 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Model Home

Project Title:
606024TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

Starke, FL

6/5/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	28838 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	28838 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Model Home

Project Title:
606024TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

Starke, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

6/5/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, 0.87, None,N,N	NW	2ft.	5.5ft.	45.0	0.0	45.0	29	60	2702	Btuh	
2	2, Clear, 0.87, None,N,N	N	6.5ft.	5.5ft.	15.0	0.0	15.0	29	29	434	Btuh	
3	2, Clear, 0.87, None,N,N	NW	12ft.	5.25f	45.0	0.0	45.0	29	60	2702	Btuh	
4	2, Clear, 0.87, None,N,N	W	8.5ft.	7ft.	10.0	10.0	0.0	29	80	290	Btuh	
5	2, Clear, 0.87, None,N,N	NE	2ft.	1.5ft.	3.0	0.0	3.0	29	60	180	Btuh	
6	2, Clear, 0.87, None,N,N	SE	9.5ft.	7.5ft.	6.0	6.0	0.0	29	63	174	Btuh	
7	2, Clear, 0.87, None,N,N	SE	2ft.	5.5ft.	30.0	17.2	12.8	29	63	1299	Btuh	
8	2, Clear, 0.87, None,N,N	SE	2ft.	8ft.	30.0	2.2	27.8	29	63	1803	Btuh	
9	2, Clear, 0.87, None,N,N	SW	1.5ft.	1.5ft.	2.0	2.0	0.0	29	63	58	Btuh	
Window Total					186 (sqft)					9641 Btuh		
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load				
1	Frame - Wood - Adj	13.0/0.09		183.0		1.5		276 Btuh				
2	Frame - Wood - Ext	13.0/0.09		1108.0		2.1		2311 Btuh				
Wall Total					1291 (sqft)				2587 Btuh			
Doors	Type			Area (sqft)		HTM		Load				
1	Insulated - Adjacent			20.0		9.8		196 Btuh				
2	Insulated - Exterior			20.0		9.8		196 Btuh				
3	Insulated - Exterior			20.0		9.8		196 Btuh				
Door Total					60 (sqft)				588 Btuh			
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load				
1	Vented Attic/DarkShingle	30.0		1558.0		1.7		2580 Btuh				
Ceiling Total					1558 (sqft)				2580 Btuh			
Floors	Type	R-Value		Size		HTM		Load				
1	Slab On Grade	0.0		192 (ft(p))		0.0		0 Btuh				
Floor Total					192.0 (sqft)				0 Btuh			
	Zone Envelope Subtotal:									15396 Btuh		
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load				
	SensibleNatural	0.49		12000		98.0		1824 Btuh				
Internal gain	Occupants		Btuh/occupant		Appliance		Load					
	6		X 230 +		0		1380 Btuh					
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh		
	Sensible Zone Load									18600 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Model Home

Project Title:
606024TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

Starke, FL

6/5/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	18600 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	18600 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	18600 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3581 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4781 Btuh
	TOTAL GAIN	23382 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Model Home

Project Title:
606024TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

Starke, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

6/5/2006

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	2ft.	5.5ft.	45.0	0.0	45.0	29	60	2702	Btuh
2	2, Clear, 0.87, None,N,N	N	6.5ft.	5.5ft.	15.0	0.0	15.0	29	29	434	Btuh
3	2, Clear, 0.87, None,N,N	NW	12ft.	5.25f	45.0	0.0	45.0	29	60	2702	Btuh
4	2, Clear, 0.87, None,N,N	W	8.5ft.	7ft.	10.0	10.0	0.0	29	80	290	Btuh
5	2, Clear, 0.87, None,N,N	NE	2ft.	1.5ft.	3.0	0.0	3.0	29	60	180	Btuh
6	2, Clear, 0.87, None,N,N	SE	9.5ft.	7.5ft.	6.0	6.0	0.0	29	63	174	Btuh
7	2, Clear, 0.87, None,N,N	SE	2ft.	5.5ft.	30.0	17.2	12.8	29	63	1299	Btuh
8	2, Clear, 0.87, None,N,N	SE	2ft.	8ft.	30.0	2.2	27.8	29	63	1803	Btuh
9	2, Clear, 0.87, None,N,N	SW	1.5ft.	1.5ft.	2.0	2.0	0.0	29	63	58	Btuh
Window Total					186 (sqft)					9641 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Adj	13.0/0.09			183.0			1.5		276 Btuh	
2	Frame - Wood - Ext	13.0/0.09			1108.0			2.1		2311 Btuh	
Wall Total					1291 (sqft)					2587 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Adjacent				20.0			9.8		196 Btuh	
2	Insulated - Exterior				20.0			9.8		196 Btuh	
3	Insulated - Exterior				20.0			9.8		196 Btuh	
Door Total					60 (sqft)					588 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0			1558.0			1.7		2580 Btuh	
Ceiling Total					1558 (sqft)					2580 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	0.0			192 (ft(p))			0.0		0 Btuh	
Floor Total					192.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									15396 Btuh	
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load	
	SensibleNatural	0.49			12000			98.0		1824 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	6			X 230 +			0		1380 Btuh		
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									18600 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Model Home

Project Title:
606024TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

Starke, FL

6/5/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	18600 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	18600 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	18600 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3581 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4781 Btuh
	TOTAL GAIN	23382 Btuh

*Key: Window types (Pn - Number of panes of glass)
 (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
 (U - Window U-Factor or 'DEF' for default)
 (InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
 (ExSh - Exterior shading device: none(N) or numerical value)
 (BS - Insect screen: none(N), Full(F) or Half(H))
 (Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Model Home

Project Title:
606024TheSamuelModel

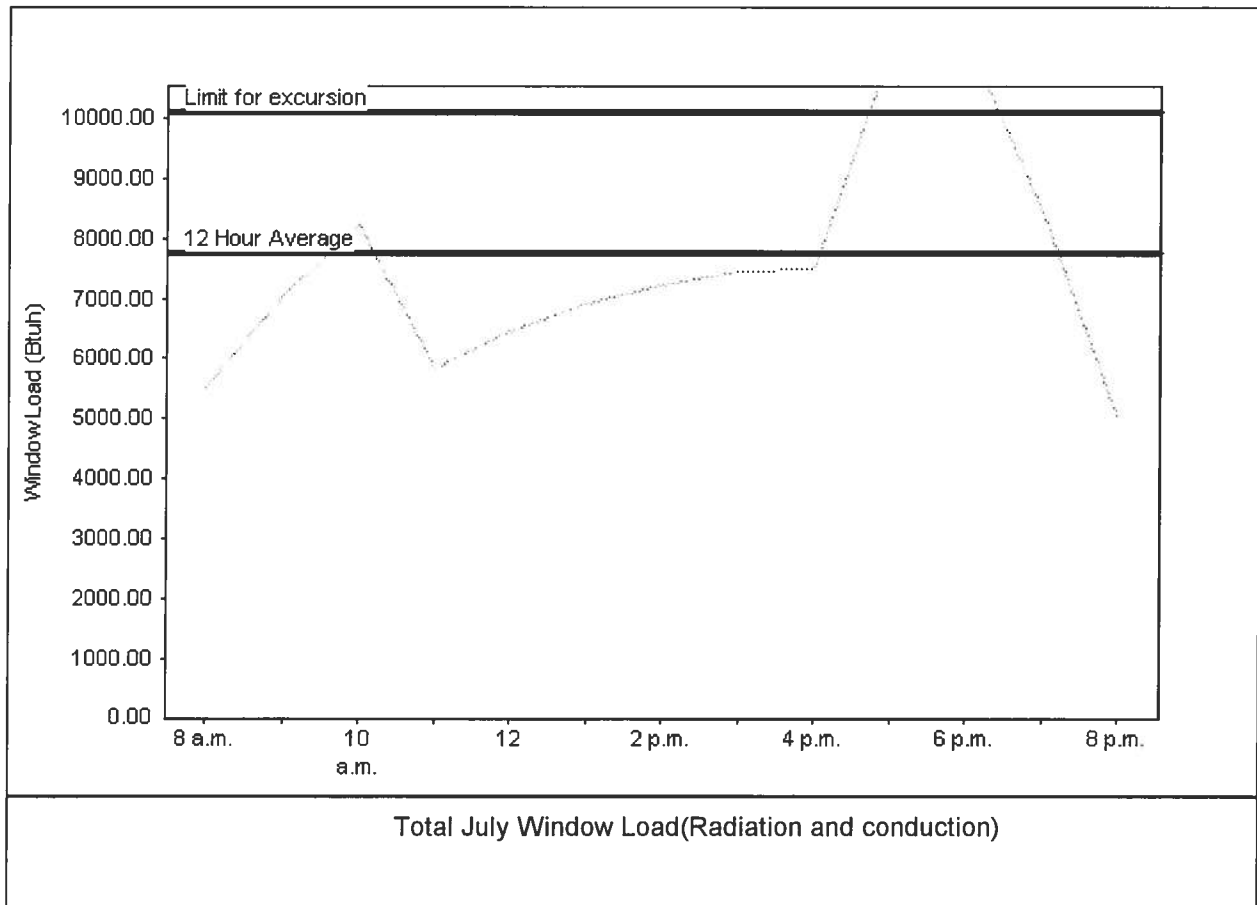
Class 3 Rating
Registration No. 0
Climate: North

6/5/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	7761 Btuh
Summer setpoint	75 F	Peak window load for July	11286 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	10089 Btu
Latitude	29 North	Window excursion (July)	1197 Btuh

WINDOW Average and Peak Loads



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: *[Signature]*

DATE: 6-5-06



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	<i>TLC</i>	<i>DOORS</i>	<i>FL5507</i>
A. SWINGING			
B. SLIDING			<i>FL-5483</i>
C. SECTIONAL/ROLL UP			
D. OTHER		<i>GARAGE DOOR</i>	<i>FL-4606</i>
2. WINDOWS	<i>AWT</i>	<i>WINDOWS</i>	<i>FL-1782</i>
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	<i>HARDI</i>	<i>SIDING</i>	<i>FL889</i>
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	<i>FLIK</i>	<i>SHINGLES</i>	<i>FL-250</i>
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
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.

Chris W. G.
APPLICANT SIGNATURE

6-19-06
DATE

Notice of Treatment

12343

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

Address: 536 SE PATA DR.

City Lake City

Phone (352) 752-1703

Site Location: Subdivision Magnolia Hills

Lot # 1

Block#

Permit #

24779

Address

Product used

Active 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

Main Body

1974

232

4 1/2

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 _____.

02-12-07

Date

3:30

Time

R. D. Anderson

Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©



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ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering •
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4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

REPORT ON IN-PLACE DENSITY TESTS

Permit # 000024779

CLIENT: Corner Stone Del.

PROJECT: Magnolia Hills Lot #1
174 NW Kathleen Way Lake City FL 32055 (Columbia Cty)

AREA TESTED: Fill & Prop Bldg PAD.

COURSE: F/G

DEPTH OF TEST: 0-1'

TYPE OF TEST: ASTM D-2922

DATE TESTED: 1-15-07

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

REMARKS: _____

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT. MOIST.
		112.0			12.0
Approx center of N side of prop PAD	110.4		98.6	6.1	
Approx C of PAD.	108.4		96.8	7.0	
Approx C of west side of Prop Bldg PAD	109.0		92.3	6.7	

TECH. F/T.G.

CERTIFICATE OF OCCUPANCY

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 28-3S-16-02377-101

Building permit No. 000024779

Use Classification SFD/UTILITY

Fire: 27.90

Permit Holder BRYAN ZECHER

Waste: 83.75

Owner of Building CORNERSTONE DEVELOPERS

Total: 111.65

Location: 174 NW KATELYN WAY, (MAGNOLIA HILLS LOT 1)

Date: 05/04/2007

Henry Dicks

Building Inspector

**POST IN A CONSPICUOUS PLACE
(Business Places Only)**

