

DATE 11/10/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023841

APPLICANT BRYAN ZECHER PHONE 752-8653
ADDRESS P.O. BOX 815 LAKE CITY FL 32056
OWNER STEVE STAFFORD PHONE _____
ADDRESS 371 NW BRADY CIRCLE LAKE CITY FL 32055
CONTRACTOR BRYAN ZECHER PHONE 752-8653
LOCATION OF PROPERTY LAKE JEFFREY, TL ON GWEN LAKE AVE, TL ON ASHLEY ST,
TL ON BRADY CIRCLE, 2ND ON RIGHT
TYPE DEVELOPMENT ADDITION TO SFD ESTIMATED COST OF CONSTRUCTION 9450.00
HEATED FLOOR AREA 189.00 TOTAL AREA 189.00 HEIGHT .00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 4/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT 1
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 25-3S-16-02298-027 SUBDIVISION _____
LOT _____ BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES _____

CBC054575
Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____
EXISTING 05-1142-E BK JH N
Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 23082

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ Foundation _____ Monolithic _____
date/app. by _____ date/app. by _____ date/app. by _____
Under slab rough-in plumbing _____ Slab _____ Sheathing/Nailing _____
date/app. by _____ date/app. by _____ date/app. by _____
Framing _____ Rough-in plumbing above slab and below wood floor _____
date/app. by _____ date/app. by _____
Electrical rough-in _____ Heat & Air Duct _____ Peri. beam (Lintel) _____
date/app. by _____ date/app. by _____ date/app. by _____
Permanent power _____ C.O. Final _____ Culvert _____
date/app. by _____ date/app. by _____ date/app. by _____
M/H tie downs, blocking, electricity and plumbing _____ Pool _____
date/app. by _____ date/app. by _____
Reconnection _____ Pump pole _____ Utility Pole _____
date/app. by _____ date/app. by _____ date/app. by _____
M/H Pole _____ Travel Trailer _____ Re-roof _____
date/app. by _____ date/app. by _____ date/app. by _____

BUILDING PERMIT FEE \$ 50.00 CERTIFICATION FEE \$.95 SURCHARGE FEE \$.95
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$.00 WASTE FEE \$ _____
FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ _____ TOTAL FEE 126.90

INSPECTORS OFFICE _____ CLERKS OFFICE CN

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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVINCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

C#23073

Revised 9-23-04

For Office Use Only Application # 0510-76 Date Received 10/25 By JH Permit # 23841
 Application Approved by - Zoning Official BLK Date 03.11.05 Plans Examiner OKJIT Date 11-2-05
 Flood Zone X Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Den.
 Comments Ev. NESTN - Roof - Ownership -

Applicants Name Bryan Zecher Phone 752-8653
 Address PO Box 815 Lake City, FL
 Owners Name Steve Skifford Phone _____
 911 Address 371 NW Brady Circle
 Contractors Name Bryan Zecher Construction, Inc Phone 752-8653
 Address PO Box 815 Lake City, FL 32055
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Teena Ruffo / Mark Disoway
 Mortgage Lenders Name & Address _____

Circle the correct power company FL Power & Light Clay Elec. Suwannee Valley Elec. Progressive Energy
 Property ID Number 25-35-16-02298-027 Estimated Cost of Construction \$15,000
 Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions Lake Jeffery - to Gwen Lake Ave, T/L to T/L
Ashley St, T/L on Brady Circle, 2nd lane on right

Type of Construction - addition Number of Existing Dwellings on Property _____
 Total Acreage 1/2 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 35 Side 20 Side 20 Rear 20
 Total Building Height 12 Number of Stories 1 Heated Floor Area 109 Roof Pitch 4/12
ADDITION OF 189 SQ FT FAMILY ROOM

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.

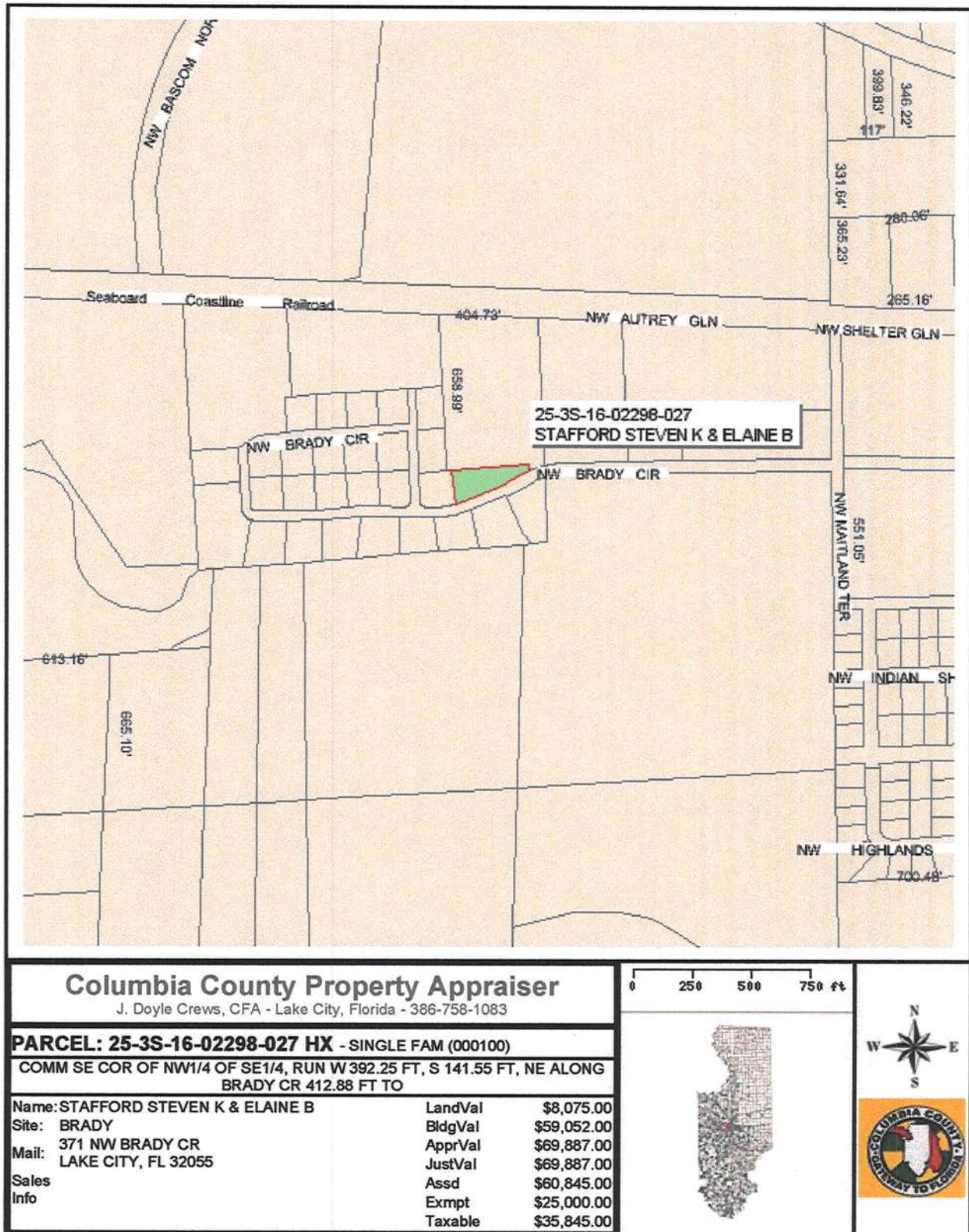
Owner Builder or Agent (including Contractor) REBECCA DUGAN
 STATE OF FLORIDA
 COUNTY OF COLUMBIA
 MY COMMISSION #DD452939
 EXPIRES: JUL 20, 2009
 Bonded through 1st State Insurance



Sworn to (or affirmed) and subscribed before me
 this 12 day of October 20 05.
 Personally known ✓ or Produced Identification _____

Contractor Signature _____
 Contractors License Number CBC054575
 Competency Card Number _____
 NOTARY STAMP/SEAL

Notary Signature _____





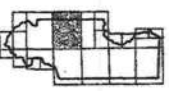
APPROXIMATE SCALE IN FEET
2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 175 OF 290



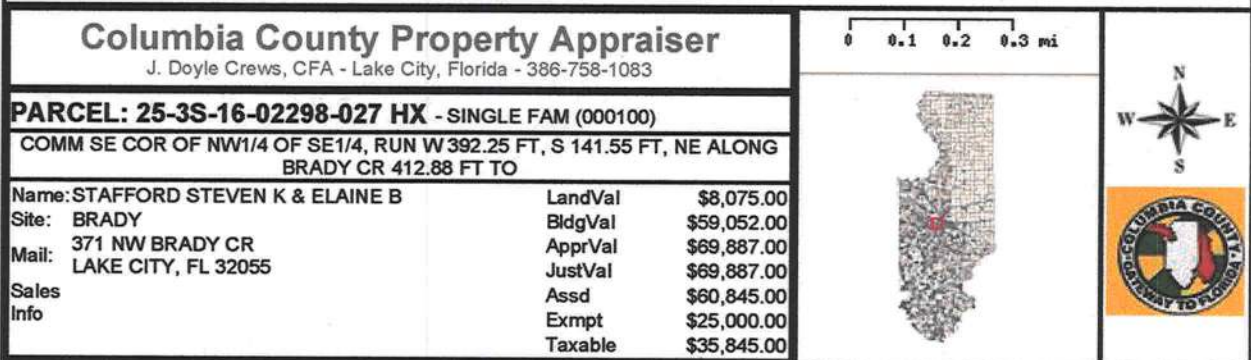
PANEL LOCATION

COMMUNITY-PANEL NUMBER
120070 0175 B
EFFECTIVE DATE:
JANUARY 6, 1988



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/nifmsd.



http://appraiser.columbiacountyfla.com/GIS/Print_Map.asp?pjbnlkplhgmeclpoffdddhfacb... 10/31/2005

25-3S-16-02298-027

COMM SE COR OF NW1/4 OF SE1/4, STAFFORD STEVEN K & ELAINE B 25-3S-16-02298-027 Columbia Cou
RUN W 392.25 FT, S 141.55 FT, 371 NW BRADY CR
NE ALONG BRADY CR 412.88 FT TO
E LINE OF SW1/4 OF SE1/4, N 10 LAKE CITY FL 32055 PRINTED 9/16/2005 10:16
APPR 9/08/2003 DF

USE 000100 SINGLE FAM	AE? Y	1511 HTD AREA	112.700 INDEX	25316.02 NBHD	PROP USE 000
MOD 1 SFR	BATH 2.00	1800 EFF AREA	46.207 E-RATE	100.000 INDX	STR 25- 3S- 16
EXW 19 COMMON BRK	FIXT	83173 RCN		1975 AYE	MKT AREA 06
% 0000000000	BDRM 3	71.00 %GOOD	59,052 B BLDG VAL	1975 EYB	(PUD1
RSTR 03 GABLE/HIP	RMS	-----			AC
RCVR 03 COMP SHNGL	UNTS	FIELD CK:			NTCD
% N/A	C-W%	LOC: 371 BRADY CIR NW LAKE CITY			APPR CD
INT 05 DRYWALL	HGHT				CNDO
% N/A	PMTR	+---12---			SUBD
FLR 14 CARPET	STYS 1.0	+-----23-----+ +-----32-----+			BLK
% N/A	ECON	IBAS1993			LOT
HTTP 04 AIR DUCTED	FUNC	1			MAP# 69-A
A/C 03 CENTRAL	SPCD	3			HX
QUAL 03 AVERAGE	DEPR 52	+-----23-----+			TXDT 002
FNDN N/A	UD-1 N/A	IFGR1993			
SIZE 03 RECTANGLE	UD-2 N/A	I			
CEIL N/A	UD-3 N/A	2			
ARCH N/A	UD-4 N/A	0			
FRME 01 NONE	UD-5 N/A	I			
KTCH N/A	UD-6 N/A	+-----23-----+ +-----20-----+			
WNDO N/A	UD-7 N/A				
CLAS N/A	UD-8 N/A				
OCC N/A	UD-9 N/A				
COND N/A	% N/A				
SUB A-AREA % E-AREA	SUB VALUE				
BAS93 1511 100 1511	49571				
FGR93 460 55 253	8300				
FOP93 120 30 36	1181				

TOTAL 2091 1800 59052	-----									
EXTRA FEATURES										
AE BN CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT
Y 1 0190	FPLC PF				1		1993	1.00	1.000	UT
Y 0166	CONC,PAVMT				1		0000	1.00	1.000	UT
Y 0258	PATIO				1		0000	1.00	1.000	UT
Y 0021	BARN,FR AE				1		0000	1.00	1.000	UT

LAND DESC	ZONE	ROAD {UD1 {UD3	FRONT DEPTH	FIELD CK:	UNITS	UT	PRICE	ADJ	UT	P
AE CODE	TOPO	UTIL {UD2 {UD4	BACK DT	ADJUSTMENTS						
Y 000100 SFR	RSF-1 0002			1.00 1.00 .95 1.00	1.000	LT	8500.000			8075.0
	0002 0003									

2005

25-3S-16-02298-027

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RUN W 392.25 FT, S 141.55 FT, 371 NW BRADY CR
NE ALONG BRADY CR 412.88 FT TO
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APPR 9/08/2003 DF

USE 000100 SINGLE FAM	AE? Y	1511 HTD AREA	112.700 INDEX	25316.02 NBHD	PROP USE 0001
MOD 1 SFR	BATH 2.00	1800 EFF AREA	48.461 E-RATE	100.000 INDX	STR 25- 3S- 16
EXW 19 COMMON BRK	FIXT	87230 RCN	1975 AYB	MKT AREA 06	
% 0000000000	BDRM 3	70.00 %GOOD	61,061 B BLDG VAL	1975 EYB	(PUD1
RSTR 03 GABLE/HIP	RMS	-----			AC
RCVR 03 COMP SHNGL	UNTS	FIELD CK:			NTCD
% N/A	C-W%	LOC: 371 BRADY CIR NW LAKE CITY			APPR CD
INT 05 DRYWALL	HGHT				CNDO
% N/A	PMTR	+---12-+			SUBD
FLR 14 CARPET	STYS 1.0	+-----23-----+ +-----32-----+			BLK
% N/A	ECON	IBAS1993			LOT
HTTP 04 AIR DUCTED	FUNC	1			MAP# 69-A
A/C 03 CENTRAL	SPCD	3			HX
QUAL 03 AVERAGE	DEPR 52	+-----23-----+			TXDT 002
FNDN N/A	UD-1 N/A	IFGR1993 I			
SIZE 03 RECTANGLE	UD-2 N/A	I			
CEIL N/A	UD-3 N/A	2			
ARCH N/A	UD-4 N/A	0			
FRME 01 NONE	UD-5 N/A	I			
KTCH N/A	UD-6 N/A	+-----23-----+ +-----20-----+			
WNDO N/A	UD-7 N/A				
CLAS N/A	UD-8 N/A				
OCC N/A	UD-9 N/A				
COND N/A	% N/A				
SUB A-AREA % E-AREA SUB VALUE					
BAS93 1511 100 1511 51257					
FGR93 460 55 253 8583					
FOP93 120 30 36 1221					

TOTAL 2091 1800 61061	-----									
EXTRA FEATURES										
AE BN CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT
Y 1 0190	FPLC PF				1		1993	1.00	1.000	UT
Y 0166	CONC,PAVMT				1		0000	1.00	1.000	UT
Y 0258	PATIO				1		0000	1.00	1.000	UT
Y 0021	BARN,FR AE				1		0000	1.00	1.000	UT

LAND DESC	ZONE	ROAD {UD1 {UD3 FRONT DEPTH	FIELD CK:	UNITS	UT	PRICE	ADJ	UT	PR	SPCD	%
AE CODE	TOPO	UTIL {UD2 {UD4 BACK DT	ADJUSTMENTS								
Y 000100 SFR	RSF-1	0002	1.00 1.00 .95 1.00	1.000	LT	8500.000				8075.0	
	0002	0003									

2006

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF :

Inst:2005027257 Date:11/02/2005 Time:10:24

MK DC,P.DeWitt Cason,Columbia County B:1063 P:2020

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: Lot 27, 371 NW Brady Circle
2. General Description of Improvement: addition
3. Owner Information:
 - a. Name and Address: Steve Stafford
371 NW Brady Circle, Lake City, FL 32055
 - b. Interest in Property: _____
 - c. Name and Address of Fee Simple Titleholder (if other than owner): _____
4. Contractor (name and address): Bryan Teicher Construction Inc.
P.O. Box 815 Lake City, FL 32056
5. Surety:
 - a. Name and Address: _____
 - b. Amount of Bond: _____
6. Lender (name and address): _____
7. Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Florida Statutes 713.13(1)(a)(7): _____
8. In addition to himself, owner designates: _____
9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified): _____

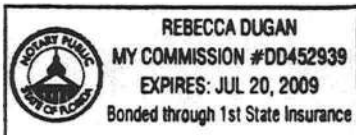
Steve K. Stafford
Type Owner Name: Steve Stafford

Type Owner Name: _____

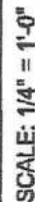
Sworn to and subscribed before me this 2nd day of November, 2005.

Personally Known ☒
Produced ID _____
Did/Did Not Take an Oath _____

Rebecca Dugan
Type Notary's Name Rebecca Dugan
Notary Public, State of Florida
Commission Expiry & Number: 7/20/09



OF 2 SHEETS



MARK DISOSWAY P.E.
Ph 386-754-5419
POB868, Lake City, F 32056
PE_No FL-53915 NC-26032



Compliance with Method C of Chapter 6 of the Florida Energy Efficiency Code may be demonstrated by the use of Form 600C-01 for additions of 600 square feet or less, site-installed components of manufactured homes, and renovations to single and multifamily residences. Alternative methods are provided for additions by use of Form 600B-01 or 600A-01.

PROJECT NAME: AND ADDRESS:	509303 Stafford E. H.	BUILDER:		PERMITTING OFFICE:	Columbia	CLIMATE ZONE:	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>
OWNER:		PERMIT NO.:	23841	JURISDICTION NO.:	221000		

SMALL ADDITIONS TO EXISTING RESIDENCES (600 Square feet or less of conditioned area). Prescriptive requirements in Tables 6C-1, 6C-2 and 6C-3 apply only to the components of the addition, not to the existing building. Space heating, cooling, and water heating equipment efficiency levels must be met only when equipment is installed specifically to serve the addition or is being installed in conjunction with the addition construction. Components separating unconditioned spaces from conditioned spaces must meet the prescribed minimum insulation levels. **RENOVATIONS** (Residential buildings undergoing renovations costing more than 30% of the assessed value of the building). Prescriptive requirements in Tables 6C-1 and 6C-2 apply only to the components and equipment being renovated or replaced. **MANUFACTURED HOMES AND BUILDINGS** Only site-installed components and features are covered by this form. **BUILDING SYSTEMS** Comply when complete new system is installed.

- Please Print
- CK
1. Renovation, Addition, New System or Manufactured Home

2. Single family detached or Multifamily attached

3. If Multifamily—No. of units covered by this submission

4. Conditioned floor area (sq. ft.)

5. Predominant eave overhang (ft.)

6. Glass area and type:

a. Clear glass

b. Tint, film or solar screen

7. Percentage of glass to floor area

8. Floor type and insulation:

a. Slab-on-grade (R-value)

b. Wood, raised (R-value)

c. Wood, common (R-value)

d. Concrete, raised (R-value)

e. Concrete, common (R-value)

9. Wall type and insulation:

a. Exterior:

1. Masonry (Insulation R-value)

2. Wood frame (Insulation R-value)

b. Adjacent:

1. Masonry (Insulation R-value)

2. Wood frame (Insulation R-value)

c. Marriage Walls of Multiple Units* (Yes/No)

10. Ceiling type and insulation:

a. Under attic (Insulation R-value)

b. Single assembly (Insulation R-value)

11. Cooling system*

(Types: central, room unit, package terminal A.C., gas, existing, none)

12. Heating system*: (Types: heat pump, elec. strip, natural gas, L.P. gas, gas h.p., room or PTAC, existing, none)

13. Air Distribution System*:

a. Backflow damper or single package systems* (Yes/No)

b. Ducts on marriage walls adequately sealed* (Yes/No)

14. Hot water system:

(Types: elec., natural gas, other, existing, none)

* Pertains to manufactured homes with site installed components.

1.	Addition	
2.	Single	
3.	X	
4.	189	
5.	2 FT	
	Single Pane	Double Pane
6a.	sq. ft.	46 sq. ft.
6b.	sq. ft.	sq. ft.
7.	24 %	
8a.	R=	39 lin. ft.
8b.	R=	sq. ft.
8c.	R=	sq. ft.
8d.	R=	sq. ft.
8e.	R=	sq. ft.
9a-1	R=	sq. ft.
9a-2	R= 13	312 sq. ft.
9b-1	R=	sq. ft.
9b-2	R=	sq. ft.
9c.		
10a.	R= 30	189 sq. ft.
10b.	R=	sq. ft.
11.	Type: Existing	
	SEER/EER:	
12.	Type: Existing	
	HSPF/COPI/AFUE:	
13a.	N/A	
13b.	N/A	
14.	Type: none	
	EF:	

I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code. PREPARED BY: Daniel I hereby certify that this building is in compliance with the Florida Energy Code. OWNER AGENT:	DATE: 10-4-05	Review of 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 in accordance with Section 553.908, F.S. BUILDING OFFICIAL: DATE:
--	---------------	--

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD



ESTIMATED ENERGY PERFORMANCE SCORE* =
The higher the score, the more efficient the home.



1. New home or addition	<u>Addition</u>	11. Ducts: Location & Insulation Level	
2. Single family or multifamily	<u>784</u>	a. Supply ducts:	R=
3. Number of units (if multifamily)		b. Return ducts:	R= <u>N/A</u>
4. Number of bedrooms		c. Air handling unit (AHU)	
5. Is this a worst case? (yes or no)	<u>Yes</u>	12. Cooling systems	Capacity: <u>N/A</u>
6. Conditioned floor area	<u>189</u> sq.ft.	a. Split system	SEER: <u> </u>
7. Glass type & area		b. Single package	SEER: <u> </u>
a. Single pane, clear	<u> </u> sq.ft.	c. Ground/water source	COP: <u> </u>
b. Single pane, tinted	<u> </u> sq.ft.	d. Room unit	EER: <u> </u>
c. Double pane, clear	<u>46</u> sq.ft.	e. PTAC	EER: <u> </u>
d. Double pane, tinted	<u> </u> sq.ft.	13. Heating systems	Capacity: <u>N/A</u>
8. Floor types, Insulation level		a. Split system heat pump	HSPF: <u> </u>
a. Slab-on-grade, edge insulation	R= <u>0</u>	b. Single package heat pump	HSPF: <u> </u>
b. Wood, raised	R= <u> </u>	d. Gas furnace, natural gas	AFUE: <u> </u>
c. Concrete, raised	R= <u> </u>	e. Gas furnace, LPG	AFUE: <u> </u>
9. Wall types, Insulation level		f. Gas-driven heat pump	COP: <u> </u>
Exterior		g. Combo water/space gas	Recov.Eff. <u> </u>
a. Wood frame	R= <u>13</u>	14. Water heating systems	
b. Metal frame	R= <u> </u>	a. Electric resistance	EF: <u> </u>
c. Concrete block	R= <u> </u>	b. Gas-fired, natural gas	EF: <u>N/A</u>
d. Log	R= <u> </u>	c. Gas-fired, LPG	EF: <u> </u>
e. Other: <u> </u>	R= <u> </u>	d. Solar system with tank	EF: <u> </u>
Adjacent		e. Dedicated heat pump with tank	EF: <u> </u>
a. Wood frame	R= <u> </u>	f. Heat recovery unit	HeatRec%: <u> </u>
b. Metal frame	R= <u> </u>	g. Other: <u> </u>	
c. Concrete block	R= <u> </u>	15. HVAC credits claimed	<u>N/A</u>
d. Log	R= <u> </u>	a. Ceiling fans	<u> </u>
e. Other: <u> </u>	R= <u> </u>	b. Cross ventilation	<u> </u>
10. Ceiling types, Insulation level		c. Whole house fan	<u> </u>
a. Under attic	R= <u>30</u>	d. Multizone cooling credit	<u> </u>
b. Single assembly	R= <u> </u>	e. Multizone heating credit	<u> </u>
c. Knee walls/skylight walls	R= <u> </u>	f. Programmable thermostat	<u> </u>
d. Radiant barrier installed	<u> </u>	g. Airtight duct credit claimed	<u> </u>
e. Interior-radiation control coating	<u> </u>	h. Factory-sealed AHU credit	<u> </u>
f. White roof credit	<u> </u>		

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 Code compliant features. **Builder Signature:** _____ **Date:** _____

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

*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE Energy Star™ 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 the web site at www.fsec.ucf.edu for information and a list of certified Raters.

COMPONENT		MINIMUM INSULATION	INSULATION INSTALLED	EQUIPMENT		MINIMUM EFFICIENCY	INSTALLED EFFICIENCY
WALLS	Concrete Block	R-7	<u>R13</u>	COOLING	Central A/C - Split	SEER = 10.0	SEER = <u>N/A</u>
	Frame, 2' x 4'	R-11			-Single Pkg.	SEER = 9.7	SEER = <u> </u>
	Frame, 2' x 6'	R-19		SPACE HEATING	Room unit or PTAC	EER = 8.5*	EER = <u> </u>
	Common, Frame	R-11			Electric Resistance	ANY	HSPF = <u>N/A</u>
	Common, Masonry	R-3			Heat pump - Split	HSPF = 6.8	HSPF = <u> </u>
CEILING	Under Attic	R-30	<u>R30</u>	SPACE HEATING	-Single Pkg.	HSPF = 6.6	HSPF = <u> </u>
	Single Assembly; Enclosed	R-19			Room unit or PTHP	COP = 2.7*	HSPF/ = <u> </u>
	Frame	R-13			Gas, natural or propane	AFUE = .78	AFUE = <u> </u>
	Metal Pans	R-10		HOT WATER	Fuel Oil	AFUE = .78	AFUE = <u> </u>
	Single Assembly; Open	R-11			Electric Resistance	EF = .88	EF = <u>N/A</u>
FLOORS	Slab-on-grade	No Minimum	<u>0</u>	HOT WATER	Gas; Natural or L.P.	EF = .54	EF = <u> </u>
	Raised Wood	R-19			Fuel Oil	EF = .54	EF = <u> </u>
	Raised Concrete	R-7					
	Common, Frame	R-11					
DUCT	In unconditioned space	R-6					
	In conditioned space	No minimum					

* See Table 6-3, 6-7

TABLE 6C-2: PRESCRIPTIVE REQUIREMENTS FOR GLASS AREAS IN ADDITIONS ONLY

Maximum percentage glass to floor area allowed is selected by type, overhang length, and solar heat gain coefficient. Maximum % = <u>30%</u> Installed % = <u>24</u>							
GLASS TYPE, OVERHANG, AND SOLAR HEAT GAIN COEFFICIENT REQUIRED FOR GLASS PERCENTAGE ALLOWED							
UP TO 20%		UP TO 30%		UP TO 40%		UP TO 50%	
Single	Double	Single	Double	Single	Double	Single	Double
OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC
1'-.87 0'-.75	0'-.78	2'-.87 1'-.75 0'-.57	1'-.78 0'-.61	NOT ALLOWED	2'-.78 1'-.61 0'-.44	NOT ALLOWED	3'-.78 2'-.61 1'-.44 0'-.35
Get certified SHGC from the manufacturer or use defaults: Single clear SHGC = .87, double clear SHGC = .78, and single tint SHGC = .75							

TABLE 6C-3 MINIMUM REQUIREMENTS FOR ALL PACKAGES			
COMPONENTS	SECTION	REQUIREMENTS	CHECK
Exterior Joints & Cracks	606.1	To be caulked, gasketed, weather-stripped or otherwise sealed.	✓
Exterior Windows & Doors	606.1	Max. 0.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Sole & Top Plates	606.1	Sole plates and penetrations through top plates of exterior walls must be sealed.	✓
Recessed Lighting	606.1	Type IC rated with no penetrations (two alternatives allowed).	✓
Multi-story Houses	606.1	Air barrier on perimeter of floor cavity between floors.	N/A
Exhaust Fans	606.1	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	N/A
Combustion Heating	606.1	Combustion space and water heating systems must be provided with outside combustion air, except for direct vent appliances.	N/A
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	N/A
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 minimum thermal efficiency of 78%.	N/A
Hot Water Pipes	612.1	Insulation is required for hot water circulating systems (including heat recovery units).	N/A
Shower Heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	N/A
HVAC Duct Construction, Insulation & Installation	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 610.1. Ducts in attics must be insulated to a minimum of R-6.	✓
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	✓

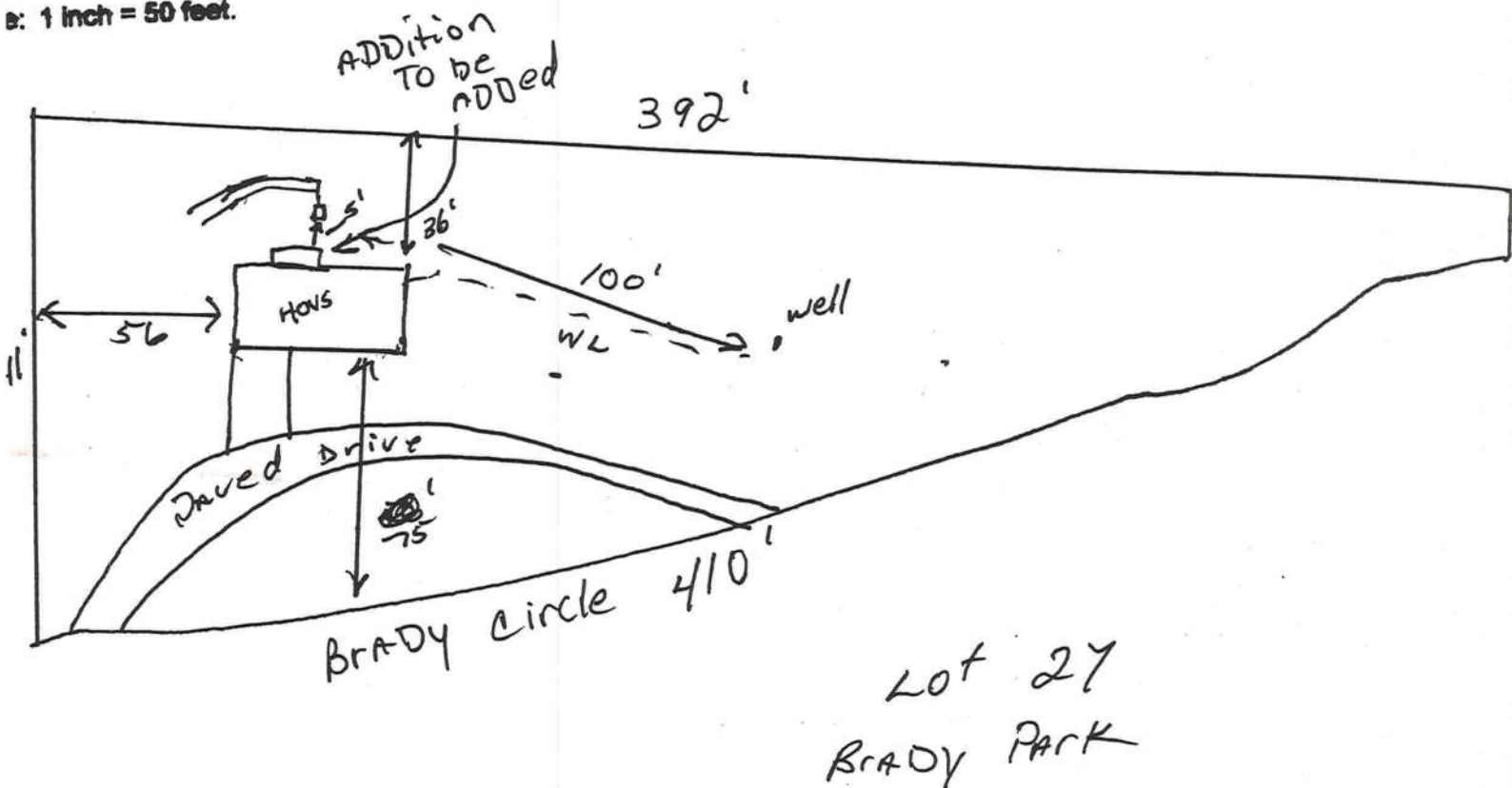
GENERAL DIRECTIONS:

- On Table 6C-1 indicate the R-value of the insulation being added to each component and the efficiency levels of the equipment being installed. All R-values and efficiencies installed must meet or exceed the minimum values listed. Components and equipment neither being added nor renovated may be left blank.
- ADDITIONS ONLY. Determine the percentage of new glass to conditioned floor area in the addition as follows. Total the areas of all glass windows, sliding glass doors and glass door panels. Double the area of all non-vertical roof glass and add it to the previous total. When glass in existing exterior walls is being removed or enclosed by the addition, an amount equal to the total area of this glass may be subtracted from the total glass area. Divide the adjusted glass area total by the conditioned floor area of the addition. Multiply by 100 to get the percent. Find the largest glass percentage under which your calculated percentage falls on Table 6C-2. Prescriptives are given by the type of glass (Single or Double pane) and the overhang (OH) paired with a solar heat gain coefficient (SHGC). For a given glass type and overhang, the minimum solar heat gain coefficient allowed is specified. Actual glass windows and doors previously in the exterior walls of the house and being reinstalled in the addition do not have to comply with the overhang and solar heat gain coefficient requirements on Table 6C-2. All new glass in the addition must meet the requirement for one of the options in the glass percentage category you indicated. The overhang (OH) distance is measured perpendicularly from the face of the glass to a point directly under the outermost edge of the overhang.
- RENOVATIONS ONLY. Replacement glass needs to meet the following requirements: Any glass type and solar heat gain coefficient may be used for glass areas which are under at least a two foot overhang and whose lowest edge does not extend further than 8 feet from the overhang. Glass areas being renovated that do not meet this criteria must be either single-pane tinted, double-pane clear or double-pane tinted.
- BUILDING SYSTEMS. Comply when new system is installed for system installed.
- Complete the information requested on the top half of page 1.
- Read "Minimum Requirements for Small Additions and Renovations", Table 6C-3, and check all applicable items.
- Read, sign and date the "Owner/Agent" certification statement on page 1.

**STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT**
Permit Application Number 05-1142E

----- PART II - SITEPLAN -----

Scale: 1 inch = 50 feet.



Notes: _____

Plan submitted by: Rocky D. F. O.
in Approved ✓

Not Approved _____

MASTER CONTRACTOR

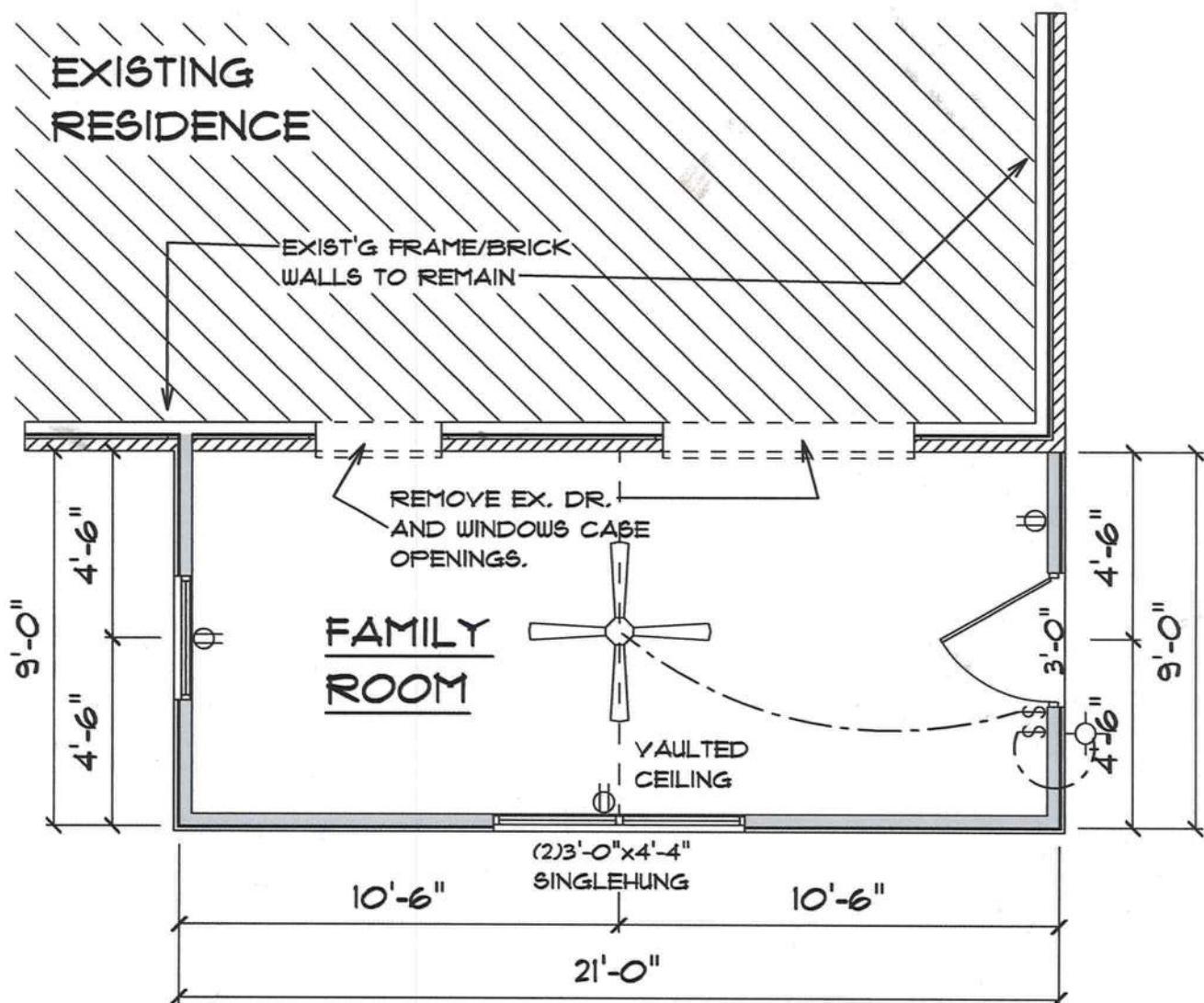
Date 11-8-05

Columbia

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Page 2 of 4



* FLOOR PLAN *

&

* ELECTRIC LAYOUT *

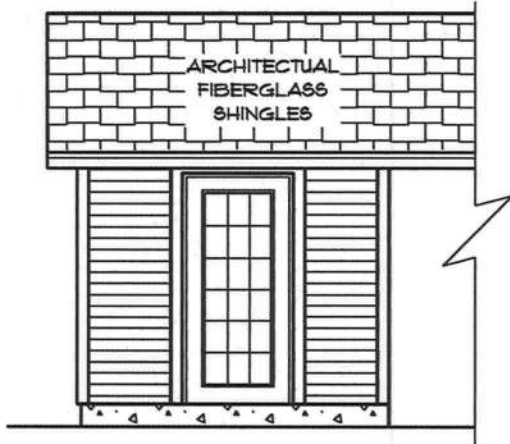
SCALE : 1/4" = 1'-0"

FAMILY ROOM ADDITION for STEVE STAFFORD, SR.

SHEET 1 of 2



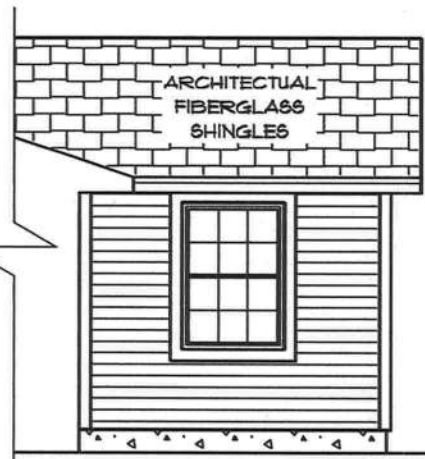
SCALE : 3/16" = 1'-0"



* LEFTSIDE ELEV *

SCALE : 3/16" = 1'-0"

12" OVERHANG ON GABLE END
24" ON ALL OTHER EAVES



* LEFTSIDE ELEV *

SCALE : 3/16" = 1'-0"

FAMILY ROOM ADDITION

for

STEVE STAFFORD, SR.

SHEET 2 of 2

Compliance with Method C of Chapter 6 of the Florida Energy Efficiency Code may be demonstrated by the use of Form 600C-01 for additions of 600 square feet or less, site-installed components of manufactured homes, and renovations to single and multifamily residences. Alternative methods are provided for additions by use of Form 600B-01 or 600A-01.

PROJECT NAME: AND ADDRESS:	509303 Stafford Ed.	BUILDER:		PERMITTING OFFICE:		CLIMATE ZONE:	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/>
OWNER:		PERMIT NO.:				JURISDICTION NO.:	221000

SMALL ADDITIONS TO EXISTING RESIDENCES (600 Square feet or less of conditioned area). Prescriptive requirements in Tables 6C-1, 6C-2 and 6C-3 apply only to the components of the addition, not to the existing building. Space heating, cooling, and water heating equipment efficiency levels must be met only when equipment is installed specifically to serve the addition or is being installed in conjunction with the addition construction. Components separating unconditioned spaces from conditioned spaces must meet the prescribed minimum insulation levels. **RENOVATIONS** (Residential buildings undergoing renovations costing more than 30% of the assessed value of the building). Prescriptive requirements in Tables 6C-1 and 6C-2 apply only to the components and equipment being renovated or replaced. **MANUFACTURED HOMES AND BUILDINGS**. Only site-installed components and features are covered by this form. **BUILDING SYSTEMS** Comply when complete new system is installed.

Please Print

CK

1. Renovation, Addition, New System or Manufactured Home
2. Single family detached or Multifamily attached
3. If Multifamily—No. of units covered by this submission
4. Conditioned floor area (sq. ft.)
5. Predominant eave overhang (ft.)
6. Glass area and type:
 - a. Clear glass
 - b. Tint, film or solar screen
7. Percentage of glass to floor area
8. Floor type and insulation:
 - a. Slab-on-grade (R-value)
 - b. Wood, raised (R-value)
 - c. Wood, common (R-value)
 - d. Concrete, raised (R-value)
 - e. Concrete, common (R-value)
9. Wall type and insulation:
 - a. Exterior:
 1. Masonry (Insulation R-value)
 2. Wood frame (Insulation R-value)
 - b. Adjacent:
 1. Masonry (Insulation R-value)
 2. Wood frame (Insulation R-value)
 - c. Marriage Walls of Multiple Units* (Yes/No)
10. Ceiling type and insulation:
 - a. Under attic (Insulation R-value)
 - b. Single assembly (Insulation R-value)
11. Cooling system*
(Types: central, room unit, package terminal A.C., gas, existing, none)
12. Heating system*: (Types: heat pump, elec. strip, natural gas, L.P. gas, gas h.p., room or PTAC, existing, none)
13. Air Distribution System*:
 - a. Backflow damper or single package systems* (Yes/No)
 - b. Ducts on marriage walls adequately sealed* (Yes/No)
14. Hot water system:
(Types: elec., natural gas, other, existing, none)

* Pertains to manufactured homes with site installed components.

1.	Addition	
2.	Single	
3.	X	
4.	189	
5.	2 FT	
	Single Pane	Double Pane
6a.	sq. ft.	46 sq. ft.
6b.	sq. ft.	sq. ft.
7.	24 %	
8a.	R=	39 lin. ft.
8b.	R=	sq. ft.
8c.	R=	sq. ft.
8d.	R=	sq. ft.
8e.	R=	sq. ft.
9a-1	R=	sq. ft.
9a-2	R= 13	312 sq. ft.
9b-1	R=	sq. ft.
9b-2	R=	sq. ft.
9c		
10a.	R= 30	189 sq. ft.
10b.	R=	sq. ft.
11.	Type: Existing	
	SEER/EER:	
12.	Type: Existing	
	HSPF/COP/AFUE:	
13a.	N/A	
13b.	N/A	
14.	Type: none	
	EF:	

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

PREPARED BY:

DATE:

10-4-05

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

OWNER AGENT:

DATE:

10/6/05

Review of 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 in accordance with Section 553.908, F.S.

BUILDING OFFICIAL:

DATE:

COMPONENT		MINIMUM INSULATION	INSULATION INSTALLED	EQUIPMENT		MINIMUM EFFICIENCY	INSTALLED EFFICIENCY	
WALLS	Concrete Block	R-7	<u>R13</u>	COOLING	Central A/C - Split	SEER = 10.0	SEER = <u>N/A</u>	
	Frame, 2' x 4'	R-11			- Single Pkg.	SEER = 9.7	SEER = <u> </u>	
	Frame, 2' x 6'	R-19			Room unit or PTAC	EER = 8.5*	EER = <u> </u>	
	Common, Frame	R-11						
	Common, Masonry	R-3						
CEILINGS	Under Attic	R-30	<u>R30</u>	SPACE HEATING	Electric Resistance	ANY	<u>N/A</u>	
	Single Assembly; Enclosed	R-19			Heat pump - Split	HSPF = 6.8		HSPF = <u> </u>
	Frame	R-13			- Single Pkg.	HSPF = 6.6		HSPF = <u> </u>
	Metal Pans	R-10			Room unit or PTHP	COP = 2.7*		HSPF/ = <u> </u>
	Single Assembly; Open	R-11						COP
FLOORS	Slab-on-grade	No Minimum	<u>0</u>	HOT WATER	Gas, natural or propane	AFUE = .78	AFUE = <u> </u>	
	Raised Wood	R-19			Fuel Oil	AFUE = .78	AFUE = <u> </u>	
	Raised Concrete	R-7						
	Common, Frame	R-11						
DUCT	In unconditioned space	R-6	<u> </u>		Electric Resistance	EF = .88	EF = <u>N/A</u>	
	In conditioned space	No minimum			Gas; Natural or L.P.	EF = .54	EF = <u> </u>	
					Fuel Oil	EF = .54	EF = <u> </u>	

* See Table 6-3, 6-7

TABLE 6C-2: PRESCRIPTIVE REQUIREMENTS FOR GLASS AREAS IN ADDITIONS ONLY

Maximum percentage glass to floor area allowed is selected by type, overhang length, and solar heat gain coefficient. Maximum % = <u>30%</u> Installed % = <u>24</u>							
GLASS TYPE, OVERHANG, AND SOLAR HEAT GAIN COEFFICIENT REQUIRED FOR GLASS PERCENTAGE ALLOWED							
UP TO 20%		UP TO 30%		UP TO 40%		UP TO 50%	
Single	Double	Single	Double	Single	Double	Single	Double
OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC	OH - SHGC
1' - .87	0' - .78	2' - .87	1' - .78	NOT ALLOWED	2' - .78	NOT ALLOWED	3' - .78
0' - .75		1' - .75	0' - .61		1' - .61		2' - .61
		0' - .57			0' - .44		1' - .44
							0' - .35
Get certified SHGC from the manufacturer or use defaults: Single clear SHGC = .87, double clear SHGC = .78, and single tint SHGC = .75							

TABLE 6C-3 MINIMUM REQUIREMENTS FOR ALL PACKAGES			
COMPONENTS	SECTION	REQUIREMENTS	CHECK
Exterior Joints & Cracks	606.1	To be caulked, gasketed, weather-stripped or otherwise sealed.	✓
Exterior Windows & Doors	606.1	Max. 0.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Sole & Top Plates	606.1	Sole plates and penetrations through top plates of exterior walls must be sealed.	✓
Recessed Lighting	606.1	Type IC rated with no penetrations (two alternatives allowed).	✓
Multi-story Houses	606.1	Air barrier on perimeter of floor cavity between floors.	N/A
Exhaust Fans	606.1	Exhaust fans vented to unconditioned space shall have dampers, except for combustion devices with integral exhaust ductwork.	N/A
Combustion Heating	606.1	Combustion space and water heating systems must be provided with outside combustion air, except for direct vent appliances.	N/A
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	N/A
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 minimum thermal efficiency of 78%.	N/A
Hot Water Pipes	612.1	Insulation is required for hot water circulating systems (including heat recovery units).	N/A
Shower Heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	N/A
HVAC Duct Construction, Insulation & Installation	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 610.1. Ducts in attics must be insulated to a minimum of R-6.	✓
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	✓

- GENERAL DIRECTIONS:
- On Table 6C-1 indicate the R-value of the insulation being added to each component and the efficiency levels of the equipment being installed. All R-values and efficiencies installed must meet or exceed the minimum values listed. Components and equipment neither being added nor renovated may be left blank.
 - ADDITIONS ONLY. Determine the percentage of new glass to conditioned floor area in the addition as follows. Total the areas of all glass windows, sliding glass doors and glass door panels. Double the area of all non-vertical roof glass and add it to the previous total. When glass in existing exterior walls is being removed or enclosed by the addition, an amount equal to the total area of this glass may be subtracted from the total glass area. Divide the adjusted glass area total by the conditioned floor area of the addition. Multiply by 100 to get the percent. Find the largest glass percentage under which your calculated percentage falls on Table 6C-2. Prescriptives are given by the type of glass (Single or Double pane) and the overhang (OH) paired with a solar heat gain coefficient (SHGC). For a given glass type and overhang, the minimum solar heat gain coefficient allowed is specified. Actual glass windows and doors previously in the exterior walls of the house and being reinstalled in the addition do not have to comply with the overhang and solar heat gain coefficient requirements on Table 6C-2. All new glass in the addition must meet the requirement for one of the options in the glass percentage category you indicated. The overhang (OH) distance is measured perpendicularly from the face of the glass to a point directly under the outermost edge of the overhang.
 - RENOVATIONS ONLY. Replacement glass needs to meet the following requirements. Any glass type and solar heat gain coefficient may be used for glass areas which are under at least a two foot overhang and whose lowest edge does not extend further than 8 feet from the overhang. Glass areas being renovated that do not meet this criteria must be either single-pane tinted, double-pane clear or double-pane tinted.
 - BUILDING SYSTEMS. Comply when new system is installed for system installed.
 - Complete the information requested on the top half of page 1.
 - Read "Minimum Requirements for Small Additions and Renovations", Table 6C-3, and check all applicable items.
 - Read, sign and date the "Owner/Agent" certification statement on page 1.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD



ESTIMATED ENERGY PERFORMANCE SCORE* =
The higher the score, the more efficient the home.



<p>1. New home or addition <u>Addition</u></p> <p>2. Single family or multifamily <u>Yes</u></p> <p>3. Number of units (if multifamily) _____</p> <p>4. Number of bedrooms _____</p> <p>5. Is this a worst case? (yes or no) <u>Yes</u></p> <p>6. Conditioned floor area <u>189</u> sq.ft.</p> <p>7. Glass type & area</p> <p>a. Single pane, clear _____ sq.ft.</p> <p>b. Single pane, tinted _____ sq.ft.</p> <p>c. Double pane, clear <u>76</u> sq.ft.</p> <p>d. Double pane, tinted _____ sq.ft.</p> <p>8. Floor types, Insulation level</p> <p>a. Slab-on-grade, edge insulation R= <u>0</u></p> <p>b. Wood, raised R= _____</p> <p>c. Concrete, raised R= _____</p> <p>9. Wall types, Insulation level</p> <p>Exterior</p> <p>a. Wood frame R= <u>13</u></p> <p>b. Metal frame R= _____</p> <p>c. Concrete block R= _____</p> <p>d. Log R= _____</p> <p>e. Other: _____ R= _____</p> <p>Adjacent</p> <p>a. Wood frame R= _____</p> <p>b. Metal frame R= _____</p> <p>c. Concrete block R= _____</p> <p>d. Log R= _____</p> <p>e. Other: _____ R= _____</p> <p>10. Ceiling types, Insulation level</p> <p>a. Under attic R= <u>30</u></p> <p>b. Single assembly R= _____</p> <p>c. Knee walls/skylight walls R= _____</p> <p>d. Radiant barrier installed _____</p> <p>e. Interior-radiation control coating _____</p> <p>f. White roof credit _____</p>	<p>11. Ducts: Location & Insulation Level</p> <p>a. Supply ducts: R= _____</p> <p>b. Return ducts: R= <u>N/A</u></p> <p>c. Air handling unit (AHU) _____</p> <p>12. Cooling systems</p> <p>a. Split system Capacity: <u>N/A</u></p> <p>b. Single package SEER: _____</p> <p>c. Ground/water source SEER: _____</p> <p>d. Room unit COP: _____</p> <p>e. PTAC EER: _____</p> <p>13. Heating systems</p> <p>a. Split system heat pump Capacity: <u>N/A</u></p> <p>b. Single package heat pump HSPF: _____</p> <p>d. Gas furnace, natural gas HSPF: _____</p> <p>e. Gas furnace, LPG AFUE: _____</p> <p>f. Gas-driven heat pump AFUE: _____</p> <p>g. Combo water/space gas COP: _____</p> <p>Recov.Eff. _____</p> <p>14. Water heating systems</p> <p>a. Electric resistance EF: _____</p> <p>b. Gas-fired, natural gas EF: <u>N/A</u></p> <p>c. Gas-fired, LPG EF: _____</p> <p>d. Solar system with tank EF: _____</p> <p>e. Dedicated heat pump with tank EF: _____</p> <p>f. Heat recovery unit HeatRec%: _____</p> <p>g. Other: _____</p> <p>15. HVAC credits claimed <u>N/A</u></p> <p>a. Ceiling fans _____</p> <p>b. Cross ventilation _____</p> <p>c. Whole house fan _____</p> <p>d. Multizone cooling credit _____</p> <p>e. Multizone heating credit _____</p> <p>f. Programmable thermostat _____</p> <p>g. Airtight duct credit claimed _____</p> <p>h. Factory-sealed AHU credit _____</p>
---	---

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 Code compliant features. **Builder Signature:** _____ **Date:** 12/1/08

New Home Address: 371 NW Brady Ct **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 Energy Star™ 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 the web site at www.fsec.ucf.edu for information and a list of certified Raters.

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10:00:13 AM

Licensee Details**Licensee Information**

Name: **ZECHER, BRYAN CHRISTIAN (Primary Name)**
BRYAN ZECHER CONSTRUCTION INC (DBA)
Main Address: **P O BOX 815**
LAKE CITY, Florida 32056
Lic. Location: **465 NW ORANGE ST**
LAKE CITY, FL 32055 United States
Columbia

License Information

License Type: **Certified Building Contractor**
Rank: **Cert Building**
License Number: **CBC054575**
Status: **Current, Active**
Licensure Date: **12/05/1991**
Expires: **08/31/2006**

Special Qualifications	Effective Date
------------------------	----------------

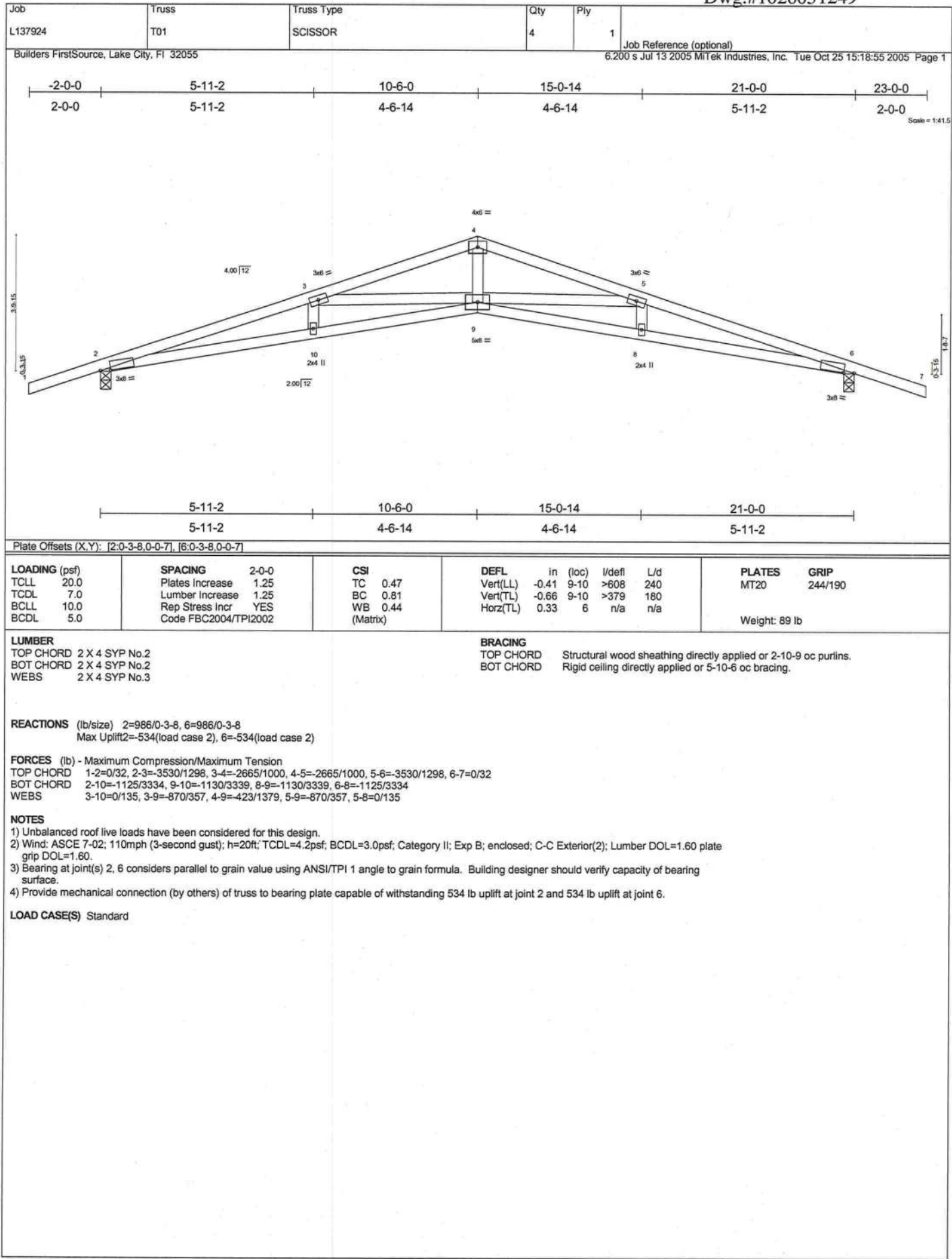
Bldg Code Core Course Credit	
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Qualified Business License Required	04/13/2004
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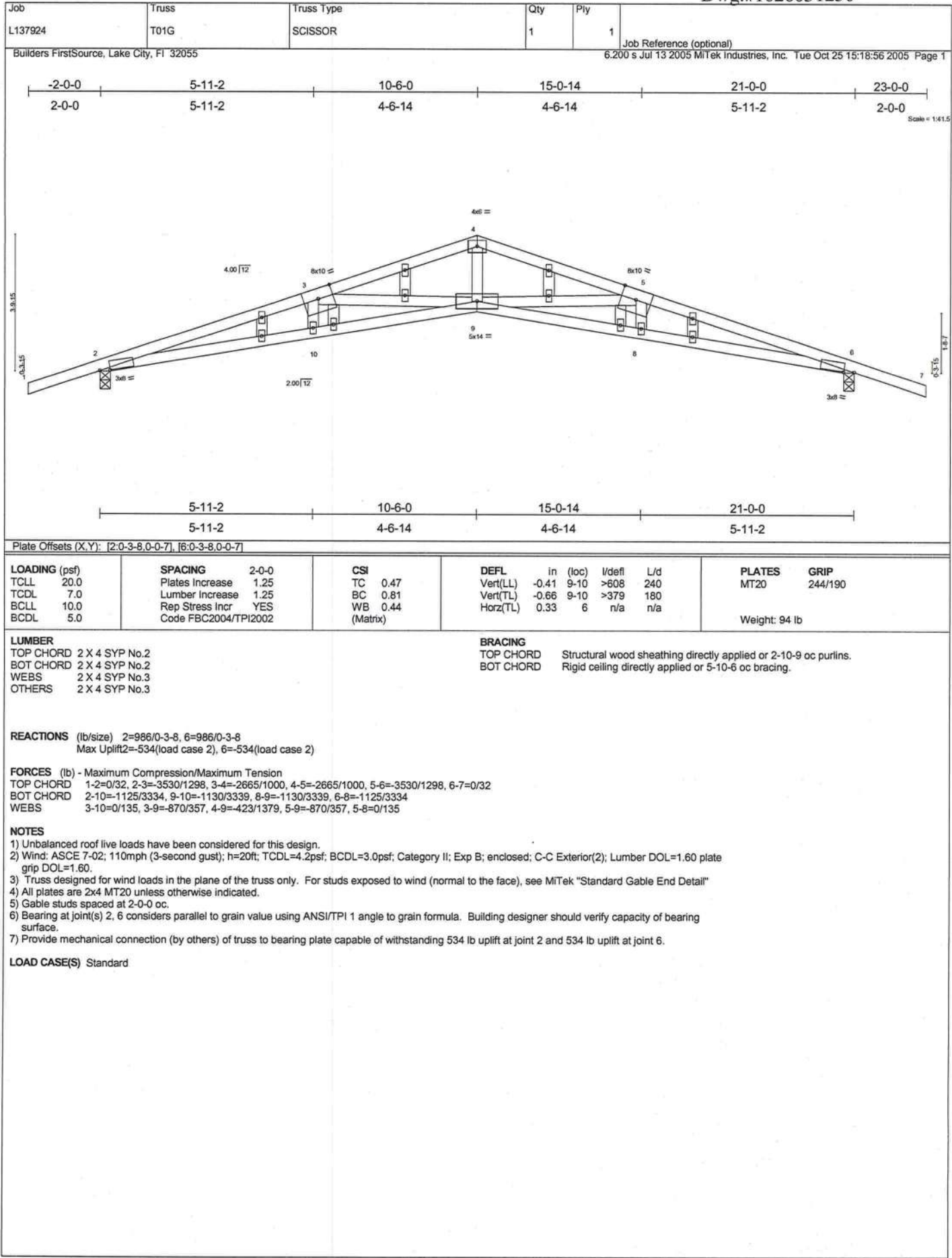
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OCTOBER 26, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

<https://www.myfloridalicense.com/licensing/w15181455000-VICICARLIEPCKKj...> 10/11/2004

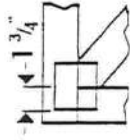


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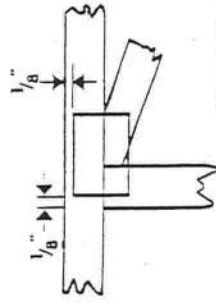
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Symbols

PLATE LOCATION AND ORIENTATION



- Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seal.



- For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.

- This symbol indicates the required direction of slots in connector plates.



PLATE SIZE

4 X 4

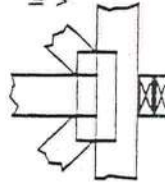
- The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



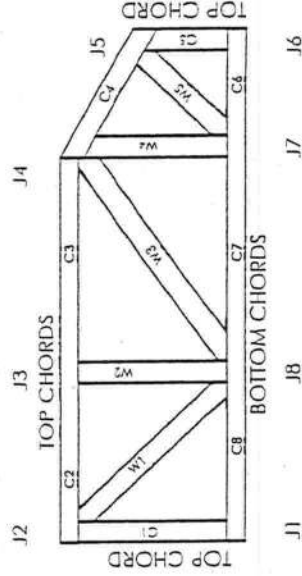
- Indicates location of required continuous lateral bracing.

BEARING



- Indicates location of joints at which bearings (supports) occur.

Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DILLIR	960022-W, 970036-H
NER	561



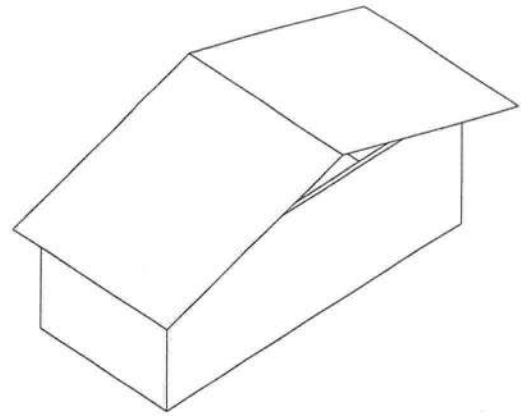
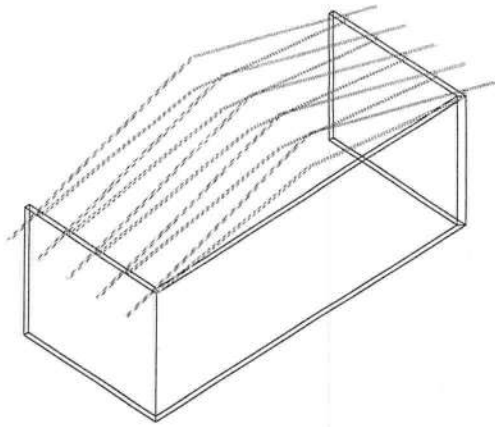
MITek Engineering Reference Sheet: MII-7473

General Safety Notes

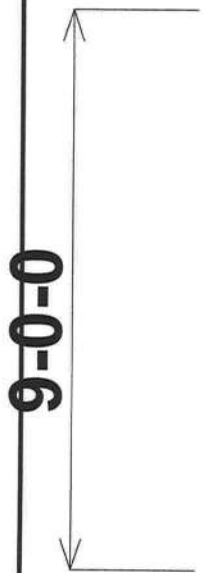
Failure to Follow Could Cause Properly Damage or Personal Injury

- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear lightly against each other.
- Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
- Unless otherwise noted, locate chord splices at 1/4 panel length (± 6" from adjacent joint.)
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size and location dimensions shown indicate minimum plating requirements.
- Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
- Top chords must be sheathed or purlins provided at spacing shown on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
- Do not overload roof or floor trusses with stacks of construction materials.
- Do not cut or alter truss member or plate without prior approval of a professional engineer.
- Care should be exercised in handling, erection and installation of trusses.

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21-0-0



9-0-0

T01		
T01		
T01	VAULTED CLG.	VAULTED CLG.
T01		
T01G		

21-0-0



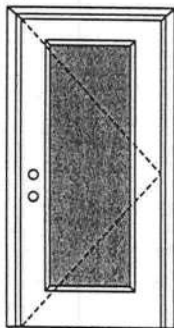
X

Glazed Inswing Unit

COP-WL-MA0141-02

FIBERGLASS 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".



Test Data Review Certificate #3026447A;
#3026447B; #3026447C and COP/Test
Report Validation Matrix #3026447A-
001, 002, 003; #3026447B-001, 002,
003; #3026447C-001, 002, 003
provides additional information -
available from the ITS/WH website
(www.etisemko.com), the Masonite
website (www.masonite.com) or the
Masonite technical center.

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

Design Pressure
+52.0/-52.0

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0001-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



822 Series

1/2 GLASS:



105 Series



106, 160 Series*



129 Series*



12 R/L, 23 R/L, 24 R/L
Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door style: Eyebrow 5-panel with scroll.

Oakcraft™
Wood-grain **ART** Textured
FIBERGLASS ENTRY DOORS

June 17, 2002

Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

ARTEK™
Non-Textured Fiberglass Entry Doors



Exclusively from
Masonite®
Masonite International Corporation

X

Glazed Inswing Unit

COP-WL-MA0141-02

FIBERGLASS DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series

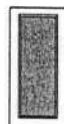


410 Series

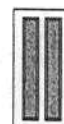
FULL GLASS:



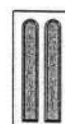
109 Series



114, 120, 122
Series



152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

CTLA-805W-2

Certifying Engineer and License Number: Ramesh Patel, P.E./20224

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 0.075" minimum thick fiberglass skins. Both stiles constructed of 1-5/8" laminated lumber. Top end rails constructed of 31/32" wood. Bottom end rails constructed of 31/32" wood composite. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

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 Balthaz

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



Test Data Review Certificate #3026447A;
#3026447B; #3026447C and COP/Test
Report Validation Matrix #3026447A-
001, 002, 003; #3026447B-001, 002,
003; #3026447C-001, 002, 003
provides additional information -
available from the ITS/WH website
(www.etlsemko.com), the Masonite
website (www.masonite.com) or the
Masonite technical center.

2

Oakcraft™
Wood-grain / Textured
FIBERGLASS ENTRY DOORS

June 17, 2002
Our continuing program of product improvement makes specifications, design and product
detail subject to change without notice.

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Exclusively from
Masonite®
Masonite International Corporation

Roger Butler
754-3664



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

Rendered to:

MI 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.

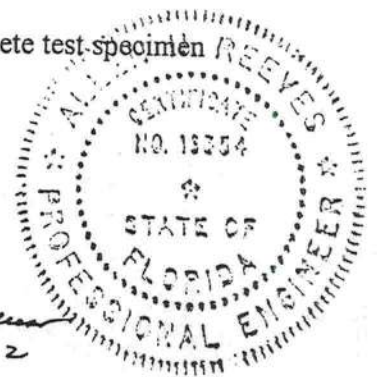
For ARCHITECTURAL TESTING, INC.

Mark A. Hess

Mark A. Hess, Technician

MAH:nlb

Allen 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 N. 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 AAMA/NWDA 101/I.S. 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 N. Reeves
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 588-97)		
	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

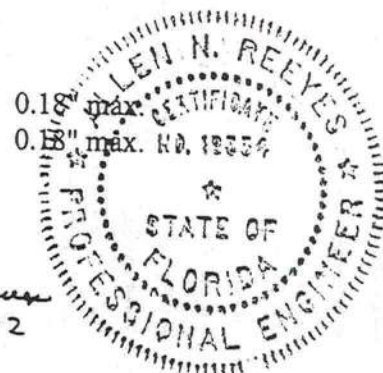
Optional Performance

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 N. Reeves
1 APRIL 2002



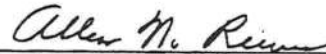
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. 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:nlb
01-41134.01



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





AAMA/NWWDA 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/NWWDA 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 N. Reeves
1 APRIL 2002





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 25, or Prestique 30 --

PA 100 = 4 nails

PA 107 = 5 nails

MD NOA# = 01-1226.04

Prestique 135 or Prestique I* --

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.

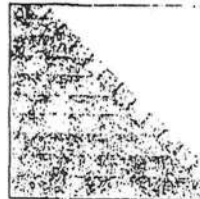
If there are any questions please contact:

Mike Reed -- Technical Manager
(205) 342-0287

or

Daniel DeJarnette -- QA Engineer
(205) 342-0298

ROOFING PRODUCTS SPECIFICATIONS - TUSCALOOSA, AL

PRESTIQUE®
HIGH DEFINITION®

RAISED PROFILE™

High Definition

Product size	13 1/2" x 39 1/2"
Exposure	5 1/2"
Pieces/Bundle	16
Bundles/Square	1/90 sq. ft.
Squares/Pallet	11

30-year limited warranty period; non-promoted coverage for shingles and application labor for the initial 5 years, plus an option for transferability; promoted coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*

Product size	13 1/2" x 39 1/2"
Exposure	5 1/2"
Pieces/Bundle	22
Bundles/Square	3/100 sq. ft.
Squares/Pallet	16

30-year limited warranty period; non-promoted coverage for shingles and application labor for the initial 5 years, plus an option for transferability; promoted coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*

High Definition

Product size	13 1/2" x 39 1/2"
Exposure	5 1/2"
Pieces/Bundle	16
Bundles/Square	1/90.5 sq. ft.
Squares/Pallet	14

30-year limited warranty period; non-promoted coverage for shingles and application labor for the initial 5 years, plus an option for transferability; promoted coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*

HIP AND RIDGE SHINGLES

Size: 12" x 12"
Exposure: 6 1/2"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

High Definition

Product size	12 1/2" x 30 1/2"
Exposure	5 1/2"
Pieces/Bundle	22
Bundles/Square	3/100 sq. ft.
Squares/Pallet	16

30-year limited warranty period; non-promoted coverage for shingles and application labor for the initial 5 years, plus an option for transferability; promoted coverage for application labor and shingles for balance of limited warranty period; 5-year limited wind warranty*

52 Bundles/Pallet
18 Pallets/Truck
836 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors: Antique Slate, Weatheredwood, Snowwood, Seabreeze, Hickory, Burwood™, Forest Green, Wedgewood™, Birchwood™, Sandalwood, Canyon Collection: Balsam Forest, Weathered Sage, Sierra Sunset.

All Prestique Raised Profile and Seal-A-Ridge roofing products contain Elk WindGuard™ sealant. WindGuards activated with the sun's heat, bonding shingles into a wind and weather resistant mass that resists blow-offs and leaks.

Check for availability with built-in StainGuard™ treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Seabreeze.

All Prestique and Raised Profile shingles meet UL Wind Resistant (UL 540) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles meet the latest Metro Dade building code requirements.

* See actual limited warranty for conditions and limitations.

* Check for product availability.

Scope: Work includes furnishing all labor, materials, and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula FLX.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

Preparation of Roof Deck: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards, weathered vinylwood (exposure 1 raised shingling) or least 3/8" (9.5mm) thick conforming to the specifications of the American Plywood Association (APA) (1704mm) oriented strandboard or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

Minimums: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater; apply non-perforated flt. 15 or 30 asphalt-saturated felt underlayment for low slopes (1" per foot; 101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm); use two plus of underlayment overlapped a minimum of 18". Fasteners shall be of sufficient length and driving power for securing material as required by the application instructions printed on shingle wrapper.

For areas where algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula FLX with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All

warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some cases, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed under no circumstances will Elk accept application requirements less than those contained in its application instructions.

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail: specinfo@elkcorp.com.

SOUTHEAST &
ATLANTIC OFFICE:
800.945.5551

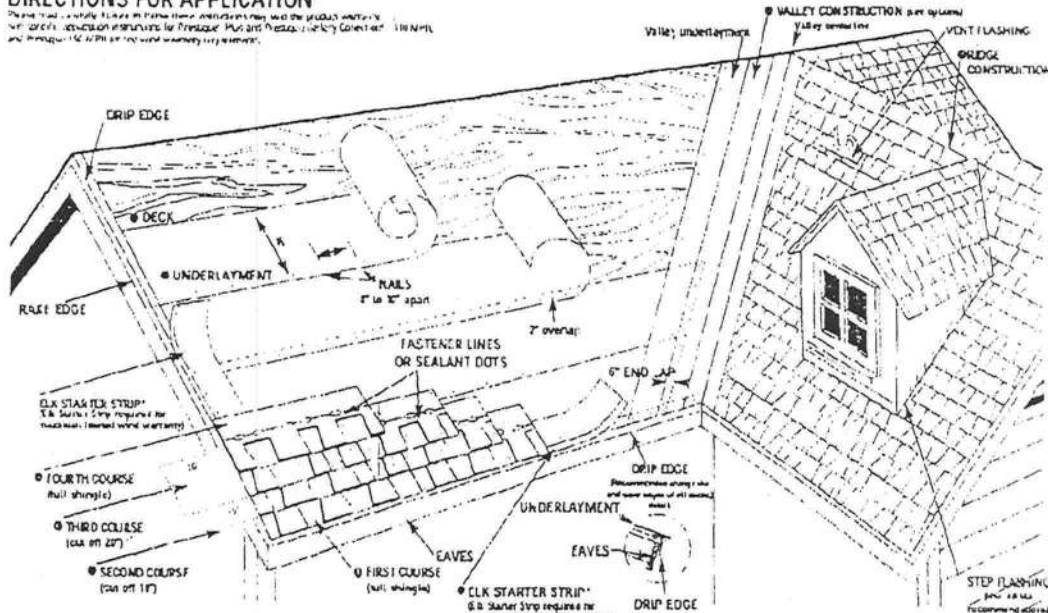
CORPORATE HEADQUARTERS:
800.354.7732

PLANT LOCATION:
800.945.5545

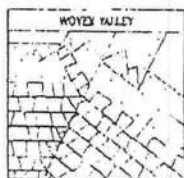
ELK
www.elkcorp.com

DIRECTIONS FOR APPLICATION

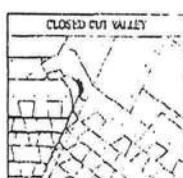
These instructions are for use in conjunction with the product literature and the instructions for the specific shingle product being installed. The instructions are for use in conjunction with the product literature and the instructions for the specific shingle product being installed.



A VALLEY CONSTRUCTION OPTION (Asph/Flt, Gbl and California Gbl are also acceptable). NOTE: For complete ARMA Valley construction details, see ARMA Product Manual, Roofing Division.



VALLEY CENTER LINE



VALLEY CENTER LINE



VALLEY CENTER LINE

DIRECTIONS FOR APPLICATION

These instructions are the minimum required to meet the application requirements. Your failure to follow these instructions may void the product warranty. In some cases, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed under no circumstances will Elk accept application responsibility for any failure that results from these instructions. Shingles should not be joined together. All shingles should be properly vented. Note: It is not necessary to remove ice on back of shingles.

DECK PREPARATION

Deck should be dry, well-seasoned 1 1/2\"/>

UNDERLAYMENT

Apply underlayment (Elk-Protectant No. 15 or 30 asphalt) over the deck. Cover drip edge at eaves only. For low slope (12/12 or less), comply with the deck's underlayment specifications. A minimum of 18\"/>

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope, 12/12 or less, use coated roll roofing 18\"/>

For low slope (12/12 up to 18/12), use a continuous layer of asphalt felt cement between the two pieces of underlayment from the rake edge to roof line. Seal at least 24\"/>

Consult the Elk Field Service Department for application specifications over other decks and other slopes.

STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR A STRIP SHINGLE INVERTED WITH THE HEADUP APPLIED AT THE EAVE EDGE. When at least 1\"/>

FIRST COURSE

Start at the rake with the shingle having 20\"/>

SECOND COURSE

Start at the rake with the shingle having 20\"/>

THIRD COURSE

Start at the rake with the shingle having 20\"/>

FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES

Repeat application as shown for second, third and fourth courses. Do not rock shingles straight up the roof.

VALLEY CONSTRUCTION

Open woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturers Association (ARMA) recommended procedures. For metal valleys, use 36\"/>

RIDGE CONSTRUCTION

For ridge construction use Class A Seal-A-Ridge with formula 1/2\"/>

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept stapling methods according to the following instructions. Always nail or staple through the fastener line or on products without fastener lines, nail or staple horizontally and in line with sealant dots.

ARMA: Composite shingles, 3/8\"/>

STAPLES: Composite shingles, 15-gauge minimum, crown width minimum of 15/16\"/>

Fasteners should be long enough to obtain 3/4\"/>

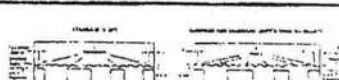
MANSARD APPLICATIONS

Correct fastening is critical to the performance of the roof. For slopes exceeding 12/12 use 36\"/>

LIMITED WIND WARRANTY

For a Limited Wind Warranty up to 110 MPH for Prestique Plus or 90 MPH for Prestique Plus, shingles must be applied with 6 properly placed nails per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY.

Also, Elk Starter Strip shingles must be applied at the eaves and rake edges in quality Prestique Plus, Prestique Gallery Collection and Prestique 1 shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Starter Strip be applied over the eaves or rake edges of other shingles.



HELP STOP SLOW-OFFS AND CALL-BACKS

A minimum of four fasteners must be driven into the double thickness (reinforcing area) of the shingle. Nails or staples must be placed along, and through, the thickness of the shingle without fastener lines, nail or staple between and in line with sealant dots. CAUTION: Do not use fastener line in shingle assembly.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified. At Prestique and Prestique Plus shingles have a UL-1 Wind Resistance Rating when applied in accordance with these instructions using nails or staples on roofs as well as low construction.

CAUTION TO WHOLESALE: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

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COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001

ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant

Plans Examiner

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All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.

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Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.

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Site Plan including:

- a) Dimensions of lot
- b) Dimensions of building set backs
- c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
- d) Provide a full legal description of property.

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Wind-load Engineering Summary, calculations and any details required

- a) Plans or specifications must state compliance with FBC Section 1606
- b) The following information must be shown as per section 1606.1.7 FBC
 - a. Basic wind speed (MPH)
 - b. Wind importance factor (I) and building category
 - c. Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
 - d. The applicable internal pressure coefficient
 - e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifi ally designed by the registered design professional

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Elevations including:

- a) All sides
- b) Roof pitch
- c) Overhang dimensions and detail with attic ventilation
- d) Location, size and height above roof of chimneys
- e) Location and size of skylights
- f) Building height
- e) Number of stories

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1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiteicide or alternative method)
10. Slab on grade
 - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiteicide or alternative method)
11. Slab on grade
 - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

Floor Framing System:

Plumbing Fixture layout

g) Arc Fault Circuits (AFCI) in bedrooms

Gas System Type (LP or Natural) Location and BTU demand of equipment

- b) Size of pressure tank
- c) Cycle stop valve if used

Existing

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058
4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit.
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is \$10.00
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$5.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$25.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 758-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK