

DATE 01/18/2008

Columbia County Building Permit
This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000026638

APPLICANT MATT PAUL PHONE 770.298.7080
ADDRESS 159 SW BROADLEAF COURT LAKE CITY FL 32024
OWNER MATTHEW & WANDA PAUL PHONE 719.4769
ADDRESS 1045 SW LEGION DRIVE LAKE CITY FL 32024
CONTRACTOR MATTHEW PAUL PHONE 770.298.7080
LOCATION OF PROPERTY SR.247-S,TL TO TAMARACK LOOP,TR TO LEGION,TL TO 1 MILE TO
SOUTH POINTE POST,500' @ CURVE ON THE R. (ADDRESS POSTED)
TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 126000.00
HEATED FLOOR AREA 1600.00 TOTAL AREA 2500.00 HEIGHT STORIES
FOUNDATION WALLS ROOF PITCH FLOOR
LAND USE & ZONING A-3 MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO.

PARCEL ID 17-4S-16-03051-104 SUBDIVISION SOUTH POINTE
LOT 4 BLOCK PHASE UNIT TOTAL ACRES 5.01

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 08-0036 BLK JTH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD. NOC ON FILE.

Check # or Cash 2537

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 630.00 CERTIFICATION FEE \$ 12.50 SURCHARGE FEE \$ 12.50
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 730.00
INSPECTORS OFFICE CLERKS OFFICE

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGRESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

hand framed trusses

exiting on property well

Spoke to Linda
1/15/08

Columbia County Building Permit Application

For Office Use Only Application # 0801-26 Date Received 1/8/08 By G Permit # 26630
Zoning Official BLK Date 15.01.08 Flood Zone XBP FEMA Map # N/A Zoning A-3
Land Use A-3 Elevation N/A MFE 1st above rd River N/A Plans Examiner OKJTH Date 1-15-08
Comments
☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel #
☐ Dev Permit # ☐ In Floodway ☐ Letter of Authorization from Contractor
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Dropped off by Linda Roder

Name Authorized Person Signing Permit Matthew Paul Fax 752-2282
Address 159 SW Broadleaf Court Lake City FL 32024 Phone 386.719.4269
Owners Name Matthew Paul Phone 770-298-7080
911 Address 1045 SW Legion Dr. Lake City FL 32024
Contractors Name owner builder Matthew Paul Phone 770-298-7080
Address 159 SW Broadleaf Court Lake City FL 32024
Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address Will Myers
Mortgage Lenders Name & Address NA
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 17-45-16-03651-104 Estimated Cost of Construction 150 K
Subdivision Name South Pointe Lot 4 Block Unit Phase
Driving Directions 247, R on Tamarack, L on SW Legion Dr, go 1 mile; Lot on R on curve, (3rd Lot before Adobe Pointe Lane) (or 7th lot down on R past Titanium CT
Number of Existing Dwellings on Property 0
Construction of Single family dwelling has culvert Total Acreage 5.01 Lot Size 5.01
Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 20'-1"
Actual Distance of Structure from Property Lines - Front 200' Side 43' Side 316' Rear 308'-2"
Number of Stories 2 Heated Floor Area 1600 Total Heated Floor Area 1600 Roof Pitch 6-12

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

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

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

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

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

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

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. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

[Signature]
Owners Signature

Affirmed under penalty of perjury to by the Owner and subscribed before me this 7 day of Jan 2008.

Personally known ✓ or Produced Identification ✓

[Signature]
State of Florida Notary Signature (For the Owner)

SEAL:



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

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

[Signature]
Contractor's Signature (Permitee)

Contractor's License Number _____
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 7 day of Jan 2007.

Personally known ✓ or Produced Identification _____

[Signature]
State of Florida Notary Signature (For the Contractor)

SEAL:



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

**COLUMBIA COUNTY BUILDING DEPARTMENT**

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

Office: 386-758-1008 Fax: 386-758-2160

NOTARIZED DISCLOSURE STATEMENT**FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).**

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved for yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that if I am not physically doing the work or physically supervising free labor from friends or relatives, that I must hire licensed contractors, i.e. electrician, plumber, mechanical (heating & air conditioning), etc. I further understand that the violation of not physically doing the work, and the use of unlicensed contractors at the construction site, will cause the project to be shut down by the inspection staff of the Columbia County Building Department. Additionally, state statutes allows for additional penalties. I also understand that if this violation does occur, that in order for the job to proceed, I will have a licensed contractor come in and obtain a new permit as taking the job over. I understand that if I hire subcontractors under a contract price, that they must be licensed to work in Columbia County, i.e. masonry, drywall, carpentry. Contractors licensed by the Columbia County Contractor Licensing Section or the State of Florida are required to have worker's compensation and liability coverage.

TYPE OF CONSTRUCTION☒ Single Family Dwelling☐ Two-Family Residence☐ Farm Outbuilding☐ Other _____☐ Addition, Alteration, Modification or other Improvement

I, Matthew Paul, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss. 489.103(7) allowing this exception for the construction permitted by Columbia County Building Department.

Permit Number _____



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Owner Builder Signature

Date

FLORIDA NOTARY

The above signer is personally known to me or produced identification _____

Notary Signature Linda RoderDate 1-01-08**FOR BUILDING DEPARTMENT USE ONLY**

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7). Date _____ Building Official/Representative _____

This instrument was prepared by (return to):

Glenn M. Wall, Attorney at Law
4411 Suwanee Dam Road, Suite 100
Suwanee, Georgia 30024

Inst:200712022116 Date:10/1/2007 Time:1:23 PM

Doc Stamp-Deed:0.70

DC, P. DeWitt Cason, Columbia County Page 1 of 2

Property Appraisers Parcel Identification Number: 17-4S-16-03051-104

**WARRANTY DEED
(DEED ONLY)**

THIS INDENTURE made this 24 day of September, 2007 between MATTHEW J. PAUL, of the County of Columbia in the State of Florida, hereinafter called the grantor, and MATTHEW J. PAUL and WANDA J. PAUL, husband and wife, hereinafter called the grantee, whose post office address is 159 SW Broadleaf Court, Lake City, Florida 32024 (wherever 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).

WITNESSETH: that the said grantor, for and in consideration of the sum of LOVE AND AFFECTION and other valuable considerations, the receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the said grantee, the following described land, lying and being in Columbia County, Florida, to-wit:

Lot 4 of SOUTH POINTE, a subdivision, according to the plat thereof as recorded in Plat Book 7, Page 52, 53, and 54, of the Public Records of Columbia County, Florida.

This conveyance is made subject to all zoning ordinances, easements, mortgages, and restrictions of record affecting said described property.

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

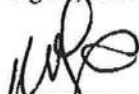
TO HAVE AND TO HOLD, the same in fee simple forever.

AND the said 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; and hereby 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 to all encumbrances.

IN WITNESS WHEREOF, the said grantor has hereunto set hand and seal the day and year first

above written.

Signed, sealed and delivered in our presence:



Witness Signature


Print Witness Name

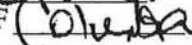

Witness Signature


Printed Witness Name

 (SEAL)
MATTHEW J. PAUL

159 SW Broadleaf Ct Lake City, Florida 32024
Post Office Address


COREY A. BURK

STATE OF 
COUNTY OF 

I HEREBY CERTIFY that on this day before me, an officer duly authorized to administer and take acknowledgements, personally appeared MATTHEW J. PAUL, known to me to be the person described in and who executed the foregoing instrument, who acknowledged before me that he executed the same, that I relied upon the following forms of identification of the above-named persons:

WITNESS my hand and official seal in the County and State last aforesaid this  day of , 2007.

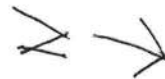
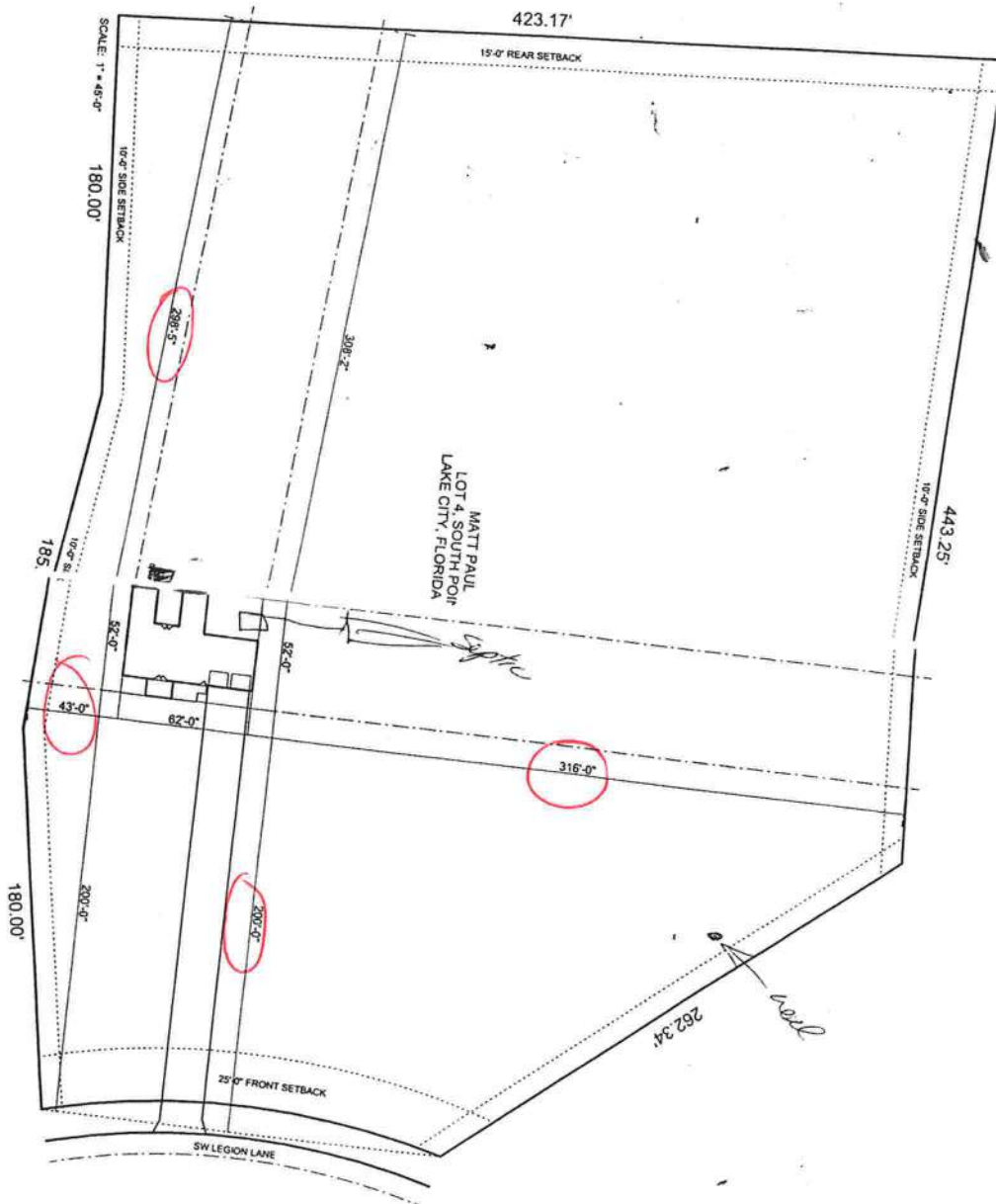

Notary Public
Print name: _____

NOTARY SEAL

My commission expires: _____



Matthew & Wanda Paul
17-45-16-03051-104



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Matt Paul	Builder:	
Address:		Permitting Office:	Columbia County
City, State:	Lake City, FL 32025-	Permit Number:	
Owner:	Paul Residence	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 36.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	2	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1600 ft²		
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: 36.0 kBtu/hr
(or Single or Double DEFAULT) 7a. (Dble Default)	249.0 ft²		HSPF: 7.70
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear)	249.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=5.0, 195.0(p) ft	a. Electric Resistance	Cap: 80.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1215.0 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 588.0 ft²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1600.0 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft		
b. N/A			

Glass/Floor Area: 0.16

Total as-built points: 20145

Total base points: 20959

PASS

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

PREPARED BY: [Signature]

DATE: 12-21-07

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

OWNER/AGENT: [Signature]

DATE: 1-08-07

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: , Lake City, FL, 32025-

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	1600.0	18.59	5354.0	1.Double, Clear	W	1.5	8.0	9.0	38.52	0.96	332.0
				2.Double, Clear	W	9.5	8.0	40.0	38.52	0.49	748.0
				3.Double, Clear	W	1.5	8.0	30.0	38.52	0.96	1107.0
				4.Double, Clear	N	1.5	8.0	45.0	19.20	0.97	835.0
				5.Double, Clear	E	1.5	8.0	30.0	42.06	0.96	1208.0
				6.Double, Clear	E	19.2	8.0	40.0	42.06	0.37	628.0
				7.Double, Clear	S	1.5	8.0	15.0	35.87	0.92	496.0
				8.Double, Clear	W	1.5	8.0	40.0	38.52	0.96	1476.0
				As-Built Total:			249.0			6830.0	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	588.0	0.70	411.6	1. Frame, Wood, Exterior	13.0			1215.0	1.50	1822.5	
Exterior	1215.0	1.70	2065.5	2. Frame, Wood, Adjacent	13.0			588.0	0.60	352.8	
Base Total:				As-Built Total:			1803.0			2175.3	
DOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	20.0	2.40	48.0	1.Adjacent Insulated				20.0	1.60	32.0	
Exterior	0.0	0.00	0.0								
Base Total:				As-Built Total:			20.0			32.0	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1600.0	1.73	2768.0	1. Under Attic	30.0			1600.0	1.73 X 1.00	2768.0	
Base Total:				As-Built Total:			1600.0			2768.0	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	195.0(p)	-37.0	-7215.0	1. Slab-On-Grade Edge Insulation	5.0			195.0(p)	-36.20	-7059.0	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:			195.0			-7059.0	
INFILTRATION Area X BSPM = Points							Area X SPM = Points				
	1600.0	10.21	16336.0				1600.0			16336.0	

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 19768.1				Summer As-Built Points: 21082.3						
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
19768.1	0.3250		6424.6	(sys 1: Central Unit 36000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 21082 1.00 (1.09 x 1.147 x 1.00) 0.260 0.950 6510.4 21082.3 1.00 1.250 0.260 0.950 6510.4						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

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	1600.0	20.17	5809.0	1.Double, Clear	W	1.5	8.0	9.0	20.73	1.01	188.0
				2.Double, Clear	W	9.5	8.0	40.0	20.73	1.19	984.0
				3.Double, Clear	W	1.5	8.0	30.0	20.73	1.01	628.0
				4.Double, Clear	N	1.5	8.0	45.0	24.58	1.00	1106.0
				5.Double, Clear	E	1.5	8.0	30.0	18.79	1.02	574.0
				6.Double, Clear	E	19.2	8.0	40.0	18.79	1.48	1112.0
				7.Double, Clear	S	1.5	8.0	15.0	13.30	1.04	207.0
				8.Double, Clear	W	1.5	8.0	40.0	20.73	1.01	838.0
				As-Built Total:				249.0			
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	588.0	3.60	2116.8	1. Frame, Wood, Exterior	13.0		1215.0	3.40	4131.0		
Exterior	1215.0	3.70	4495.5	2. Frame, Wood, Adjacent	13.0		588.0	3.30	1940.4		
Base Total:				1803.0				6071.4			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	20.0	11.50	230.0	1.Adjacent Insulated	20.0 8.00 160.0						
Exterior	0.0	0.00	0.0								
Base Total:				20.0				160.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1600.0	2.05	3280.0	1. Under Attic	30.0		1600.0	2.05 X 1.00	3280.0		
Base Total:				1600.0				3280.0			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	195.0(p)	8.9	1735.5	1. Slab-On-Grade Edge Insulation	5.0		195.0(p)	7.60	1482.0		
Raised	0.0	0.00	0.0								
Base Total:				1735.5				1482.0			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1600.0 -0.59 -944.0				1600.0 -0.59 -944.0							

WINTER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , Lake City, FL, 32025-

PERMIT #:

BASE			AS-BUILT						
Winter Base Points: 16722.8			Winter As-Built Points: 15686.4						
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points	
			(DM x DSM x AHU)						
			(sys 1: Electric Heat Pump 36000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0						
			15686.4	1.000	(1.069 x 1.169 x 1.00)	0.443	0.950	8247.1	
16722.8	0.5540	9264.4	15686.4	1.00	1.250	0.443	0.950	8247.1	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit	= Total Multiplier
2		2635.00	5270.0	80.0	0.90	2		1.00	2693.56	1.00
				As-Built Total:						5387.1

CODE COMPLIANCE STATUS											
BASE						AS-BUILT					
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points
6425		9264		5270	20959	6510		8247		5387	20145

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL, 32025-

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* = 85.4

The higher the score, the more efficient the home.

Paul Residence, , Lake City, FL, 32025-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 36.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	2	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	1600 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___		___
a. U-factor:	Description Area		13. Heating systems	
(or Single or Double DEFAULT)	7a. (Dble Default) 249.0 ft ²	___	a. Electric Heat Pump	Cap: 36.0 kBtu/hr
b. SHGC:		___		HSPF: 7.70
(or Clear or Tint DEFAULT)	7b. (Clear) 249.0 ft ²	___	b. N/A	___
8. Floor types		___	c. N/A	___
a. Slab-On-Grade Edge Insulation	R=5.0, 195.0(p) ft	___		___
b. N/A		___	14. Hot water systems	
c. N/A		___	a. Electric Resistance	Cap: 80.0 gallons
9. Wall types		___		EF: 0.90
a. Frame, Wood, Exterior	R=13.0, 1215.0 ft ²	___	b. N/A	___
b. Frame, Wood, Adjacent	R=13.0, 588.0 ft ²	___	c. Conservation credits	___
c. N/A		___	(HR-Heat recovery, Solar	
d. N/A		___	DHP-Dedicated heat pump)	
e. N/A		___	15. HVAC credits	PT, ___
10. Ceiling types		___	(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 1600.0 ft ²	___	HF-Whole house fan,	
b. N/A		___	PT-Programmable Thermostat,	
c. N/A		___	MZ-C-Multizone cooling,	
11. Ducts		___	MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 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.

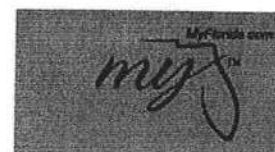
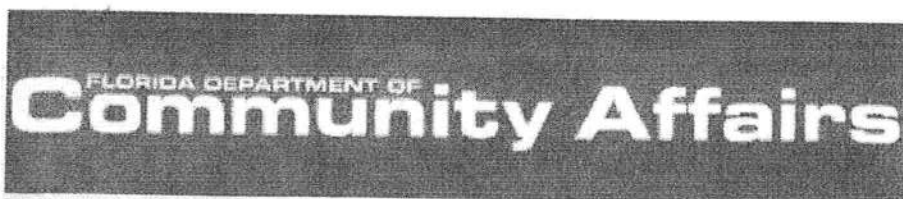
Builder Signature: _____ Date: _____

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



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

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.5.2)

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USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

FL #	FL5190
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	

Product Manufacturer	Wheeling Corrugating Company
Address/Phone/Email	1134 Market Street Wheeling, WV 26003

Authorized Signature	James L. Buckner, P.E. @ C-Buck, Inc. jimmy@cbuckinc.net
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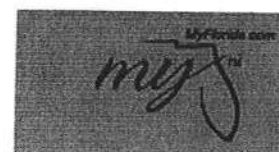
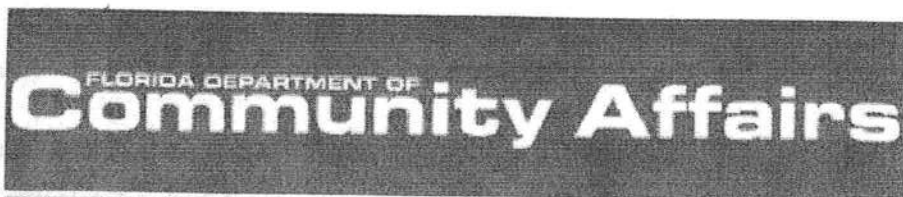
Technical Representative	David W. Boltz
Address/Phone/Email	1134 Market Street Wheeling, WV 26003 boltzdw@wpsc.com

Quality Assurance Representative	
Address/Phone/Email	

Category	Roofing
Subcategory	Metal Roofing

Compliance Method	Evaluation Report from a Florida Registered Licensed Florida Professional Engineer ☒ Evaluation Report - Hardcopy Received
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Florida Engineer or Architect Name who developed the Evaluation Report	James L. Buckner
---	------------------



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Product Approval

USER: Public User

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► COMMUNITY PLANNING

► HOUSING & COMMUNITY DEVELOPMENT

► EMERGENCY MANAGEMENT

► OFFICE OF THE SECRETARY

FL # FL5190
Application Type New
Code Version 2004
Application Status Approved
Comments
Archived

Product Manufacturer Wheeling Corrugating Company
Address/Phone/Email 1134 Market Street
Wheeling, WV 26003

Authorized Signature James L. Buckner, P.E. @ C-Buck, Inc.
jimmy@cbuckinc.net

Technical Representative David W. Boltz
Address/Phone/Email 1134 Market Street
Wheeling, WV 26003
boltzdw@wpsc.com

Quality Assurance Representative
Address/Phone/Email

Category Roofing
Subcategory Metal Roofing

Compliance Method Evaluation Report from a Florida Registered
Licensed Florida Professional Engineer
☒ Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name James L. Buckner
who developed the Evaluation Report

Florida License

PE-31242

Quality Assurance Entity

Underwriters Laboratories Inc.

Validated By

Warren W. Schaefer, P.E.

Certificate of Independence

Referenced Standard and Year (of Standard)

Standard

UL 580 with 1998 Revisions

Equivalence of Product Standards Certified By

Sections from the Code

1507.4

Product Approval Method

Method 1 Option D

Date Submitted

09/01/2005

Date Validated

09/23/2005

Date Pending FBC Approval

10/01/2005

Date Approved

10/11/2005

Summary of Products

FL #	Model, Number or Name	Description
5190.1	1- "5-V"	Minimum 29 Gauge Steel, Maximum 24 Attached to Wood Deck
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = -52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports PTID 5190 T 1- 5V 24in 29GaSteelOnWood_EVALREPO PTID 5190 T 2- 5V 24in 26GaSteelOnWood_EVALREPO PTID 5190 T 3- CenturyDrain 36in 29GaSteelOnWood PTID 5190 T 4- CenturyDrain 36in 26GaSteelOnWood PTID 5190 T 5- RPanel 36in 29GaSteelOnWood_EVALR PTID 5190 T 6- RPanel 36in 26GaSteelOnWood_EVALR PTID 5190 T 7- LocSeam 16in 26GaSteelOnWood EVA PTID 5190 T 8- LocSeam 12in 26GaSteelOnWood EVA

Florida License	PE-31242
Quality Assurance Entity	Underwriters Laboratories Inc.
Validated By	Warren W. Schaefer, P.E.

Certificate of Independence

Referenced Standard and Year (of Standard)	Standard UL 580 with 1998 Revisions
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Equivalence of Product Standards Certified By

Sections from the Code	1507.4
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Product Approval Method	Method 1 Option D
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Date Submitted	09/01/2005
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Date Validated	09/23/2005
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Date Pending FBC Approval	10/01/2005
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Date Approved	10/11/2005
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Summary of Products

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PTID 5190 T NS-CertOfIndepAndQA.r		
5190.2	2- "5-V"	Minimum 26 Gauge Steel, Maxir Panel Attached to Wood Deck
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = -90 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
5190.3	3- "Centurydrain"	Minimum 29 Gauge Steel, Maxir Panel Attached to Wood Deck
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = -52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
5190.4	4- "Centurydrain"	Minimum 26 Gauge Steel, Maxir Panel Attached to Wood Deck
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = -70 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports

PTID 5190 T NS-CertOfIndepAndQA.r		
5190.2	2- "5-V"	Minimum 26 Gauge Steel, Maxir Panel Attached to Wood Deck
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = -90 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
5190.3	3- "Centurydrain"	Minimum 29 Gauge Steel, Maxir Panel Attached to Wood Deck
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = -52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
5190.4	4- "Centurydrain"	Minimum 26 Gauge Steel, Maxir Panel Attached to Wood Deck
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = -70 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports

5190.5	5- "R-Panel"	Minimum 29 Gauge Steel, Maxir Panel Attached to Wood Deck
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = -52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
5190.6	6- "R-Panel"	Minimum 26 Gauge Steel, Maxir Panel Attached to Wood Deck
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = -87.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
5190.7	7- "Loc-Seam"	Minimum 26 Gauge Steel, 12"-1 Attached to Wood Deck
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = -52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
5190.8	8- "Loc-Seam"	Minimum 26 Gauge Steel, Maxir Panel Attached to Wood Deck

5190.5	5- "R-Panel"	Minimum 29 Gauge Steel, Maxir Panel Attached to Wood Deck
Limits of Use (See Other) Approved for use in HVHZ: Approved for use outside HVHZ: Impact Resistant: Design Pressure: +/- Other: Design Uplift Pressure = -52.5 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.		Installation Instructions Verified By: Evaluation Reports
5190.6	6- "R-Panel"	Minimum 26 Gauge Steel, Maxir Panel Attached to Wood Deck
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5190.7	7- "Loc-Seam"	Minimum 26 Gauge Steel, 12"-1 Attached to Wood Deck
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5190.8	8- "Loc-Seam"	Minimum 26 Gauge Steel, Maxir Panel Attached to Wood Deck

Limits of Use (See Other)**Approved for use in HVHZ:****Approved for use outside HVHZ:****Impact Resistant:****Design Pressure:** +/-

Other: Design Uplift Pressure = -70 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.

Installation Instructions

Verified By:

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**Department of Community Affairs
Florida Building Code Online
Codes and Standards**

2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

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Product Approval Accepts:

Limits of Use (See Other)**Approved for use in HVHZ:****Approved for use outside HVHZ:****Impact Resistant:****Design Pressure:** +/-

Other: Design Uplift Pressure = -70 psf. The required design wind loads shall be determined for each project. The maximum fastener spacing listed herein shall not be exceeded. All rational analysis computations shall be prepared by a qualified design professional, as required by Florida Building Code, Section 105. This product is not approved for use in the High Velocity Hurricane Zone. Refer to Evaluation Report.

Installation Instructions

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DCA Administration

Department of Community Affairs**Florida Building Code Online****Codes and Standards**

2555 Shumard Oak Boulevard

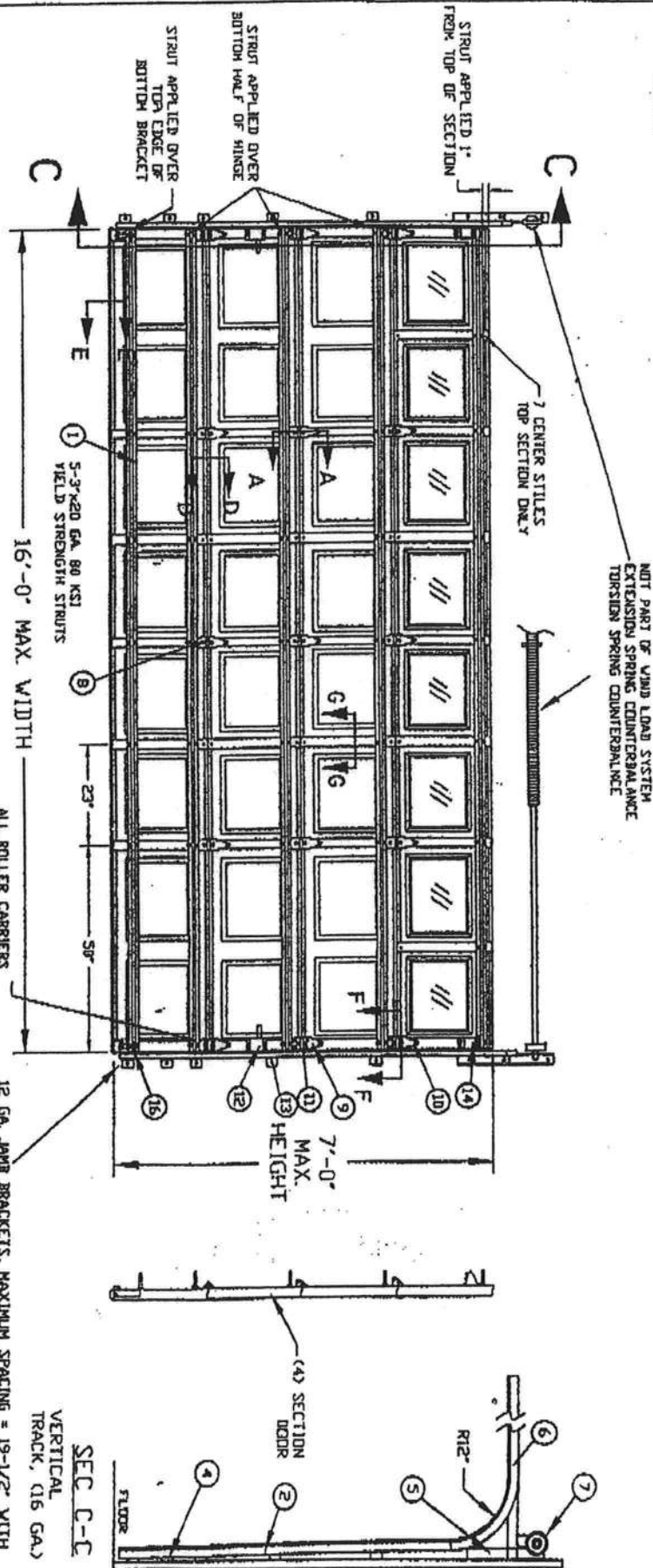
Tallahassee, Florida 32399-2100

(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

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NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT = 21'
3. SECTION HEIGHTS OF 21.0' AND 19.50' ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION, AS TESTED WITH LARGEST GLASS OR EQUIVALENT, OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MAXIMUM LENGTH OF ROLLER STEM IS 5 1/2" (7' AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOW.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE Q.L. OR AS TESTED.
9. DROP IN TYPE OF INSTALLATION IS OPTIONAL.

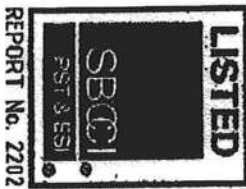


INSIDE ELEVATION

TEST REPORTS ON FILE VIDEO 10/19/00 (002933)

DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

The seal on this drawing only represents the product as tested. Dimensions and configurations of the door as tested.



GABCO DOORS				
SERIES 7400, EXTERIOR STEEL = 0.17 MIN G.S. TESTED				
SERIES 7825, EXTERIOR STEEL = 0.09" MIN A				
SERIES 7524, EXTERIOR STEEL = 0.024" MIN A				
(TESTED WITH WINDOWS)				
MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STRUTS 80 KSI	VERTICAL TRACK
16'	7'	23"	3"	2 IN.



GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60053

DATE: 10-20-10

APPROVED BY:

REVIEWED (CA) 11-10-00

DATE: 10-20-10

APPROVED BY:

REVIEWED (CA) 11-10-00

DATE: 10-20-10

APPROVED BY:

REVIEWED (CA) 11-10-00

DATE: 10-20-10

APPROVED BY:

REVIEWED (CA) 11-10-00

DATE: 10-20-10

APPROVED BY:

REVIEWED (CA) 11-10-00

DATE: 10-20-10

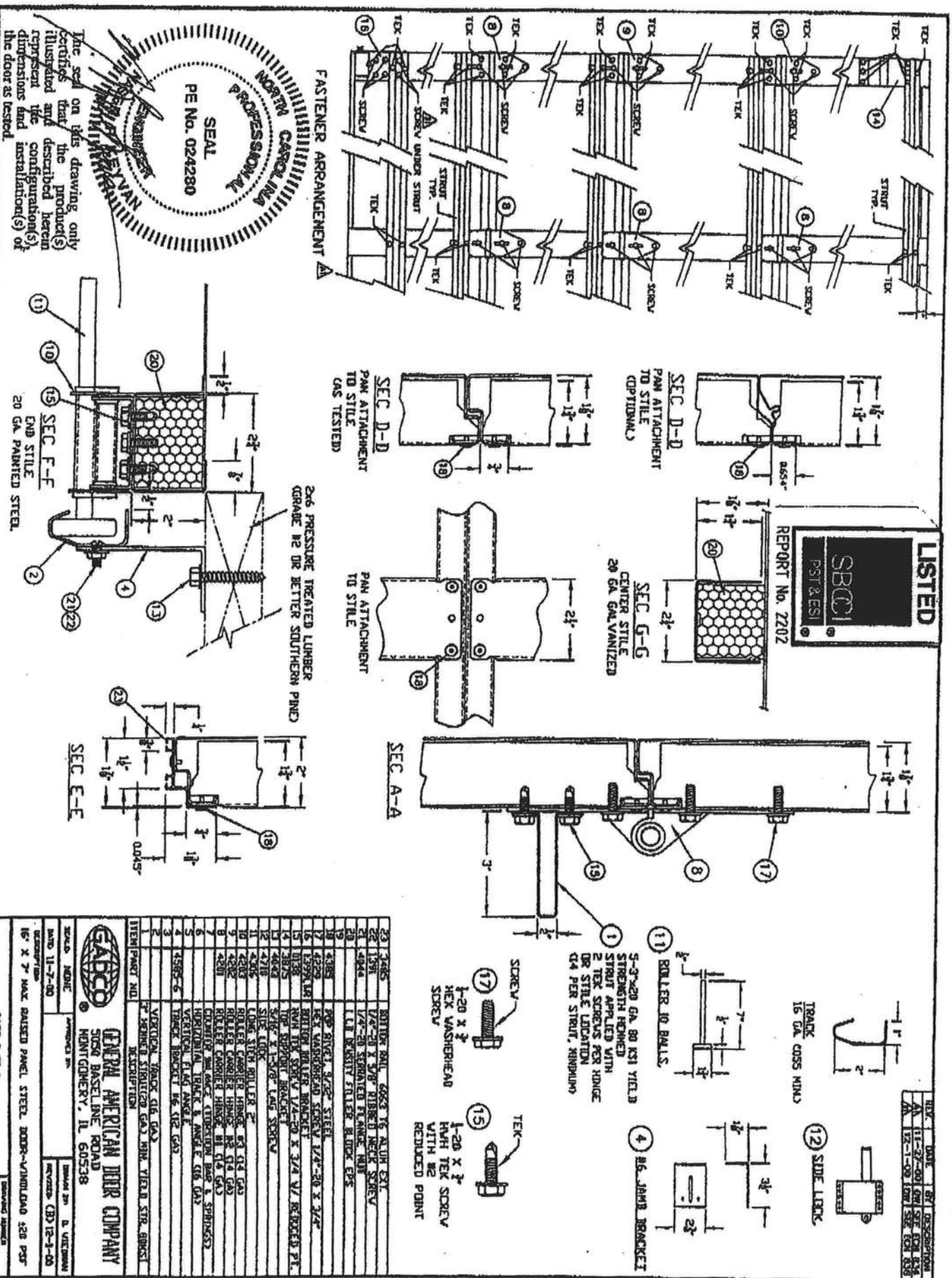
APPROVED BY:

REVIEWED (CA) 11-10-00

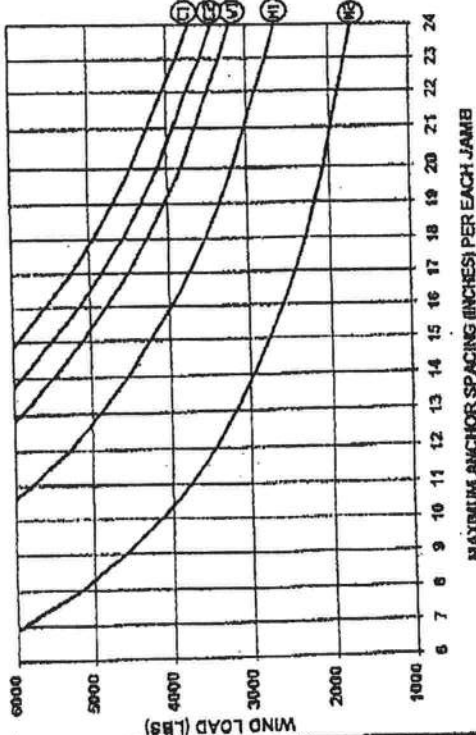
DATE: 10-20-10

APPROVED BY:

REVIEWED (CA) 11-10-00



WIND LOAD vs ANCHOR SPACING



DESIGN (LBS) X GARAGE DOOR AREA (WIDTH-FT X HEIGHT-FT) = WIND LOAD (LBS)

MAXIMUM ANCHOR SPACING (INCHES) PER EACH JAMB

EXAMPLE

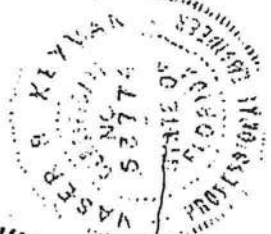
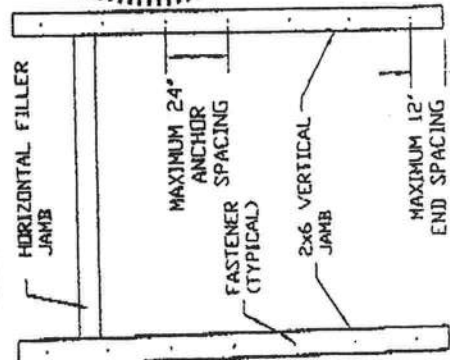
30 LBS X (16 FT WIDE X 8 FT HIGH) = 3840 LBS

① USE 22" SPACING

② USE 21" SPACING

③ USE 19" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



2X6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2X6 PRESSURE TREATED GRADE #2 OR BETTER SOUTHERN PINE) WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

- 1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.
- 2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION" SSTB 10, CURRENT EDITION.
- 3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.
- 4) WOOD FRAME BUILDINGS: STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE (#2 GRADE OR BETTER) WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.
- 5) REINFORCED CMU OR CONCRETE: 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2150 PSI GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
- 6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.
- 7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS CMU SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4"
- 8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.
- 9) WASHERS ARE REQUIRED ON ALL FASTENERS.
- 10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.
- 11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.



GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

WIND NINE	APPROVED BY:	REVIEW BY: DIV
SATD 8-30-99	REVISED	
SUBSCRIPTION		
JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS		
MASTER JAMB NUMBER A10560		

FLORIDA DEPARTMENT OF Community Affairs



- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

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Product Approval
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FL # FL5108
Application Type New
Code Version 2004
Application Status Approved
Comments
Archived

Product Manufacturer MI Windows and Doors
Address/Phone/Email 650 W Market St
 Gratz, PA 17030
 (717) 365-3300 ext 2101
 surich@miwd.com

Authorized Signature Steven Ulrich
 surich@miwd.com

Technical Representative
Address/Phone/Email

Quality Assurance Representative
Address/Phone/Email

Window

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A.L.I.

(Validator / Operations Administrator)

AAMA CERTIFICATION PROGRAM



AUTHORIZATION FOR PRODUCT CERTIFICATION

MI Windows & Doors, Inc.
P.O. Box 370
Gratz, PA 17030-0370

Attn: Bill Emley

The product described below is hereby approved for listing in the next issue of the AAMA Certified Products Directory. The approval is based on successful completion of tests, and the reporting to the Administrator of the results of tests, accompanied by related drawings, by an AAMA Accredited Laboratory.

- The listing below will be added to the next published AAMA Certified Products Directory.

SPECIFICATION	RECORD OF PRODUCT TESTED				LABEL ORDER NO.
AAMA/NWDA 101/I.S. 2-97 H-F55"-36x62					
COMPANY AND PLANT LOCATION	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED		By Request
MI Windows & Doors, Inc. (Oldsmar, FL) MI Windows & Doors, Inc. (Smyrna, TN)	MTL-8 MTL-9	18S/318S SH (Fin) (AL)(O/P)(OG) (ASTM)	FRAME 3'0" x 5'2"	SASH 2'10" x 2'7"	

- This Certification will expire May 14, 2008 and requires validation until then by continued listing in the current AAMA Certified Products Directory.
- Product Tested and Reported by: Architectural Testing, Inc.
Report No.: 01-50360.02
Date of Report: June 14, 2004

NOTE: PLEASE REVIEW,
AND ADVISE ALI IMMEDIATELY
IF DATA, AS SHOWN, NEEDS
CORRECTION.

Date: August 1, 2005

cc: AAMA
JGS/dt
ACP-04 (Rev. 5/03)

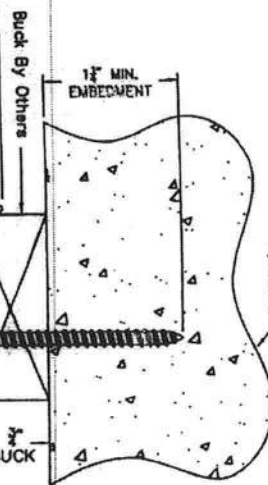
Validated for Certification:

John B. Smith
Associated Laboratories, Inc.

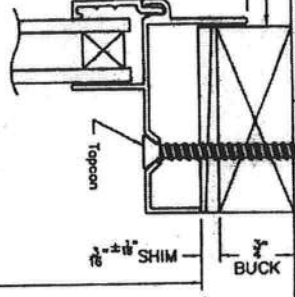
Authorized for Certification:

Dean Lewis
American Architectural Manufacturers Association

Concrete header (shown) or steel I-beam
By Others



Head



Close as Required

Inside Dimension (I.D.)

Outside Dimension (T.T.T.) = I.D. PLUS 1"

Perimeter caulk (by others)

Sill

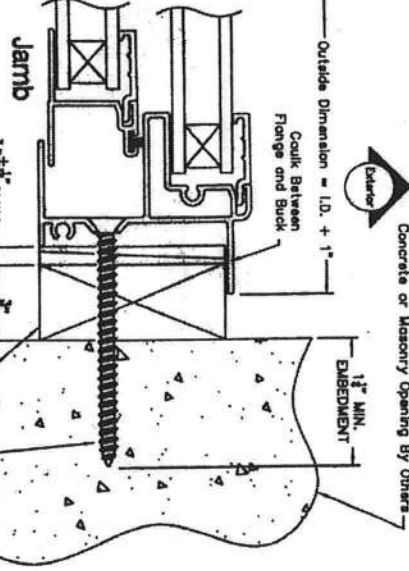
Stood By Others

Pre-Cast Sill
By Others

Caulk Between Flange and Pre-Cast Sill

ONE BY (3/4) BUCKS (SHOWN)

1. Before installation, caulk back of flange, or face of buck.
2. 3/16" dia. masonry Topcon must be of a length to have 1 1/4" embedment into masonry or concrete.
3. Shim as required with load bearing shims at each installation anchor as shown.
4. All factory applied holes not designated for Topcon anchor should be filled with #10 screws of sufficient length to provide min. 5/8" embedment into wood buck.
5. Letter designations on the Topcon location chart indicate where anchors are to be installed using the elevation as a key.
6. If exact window size is not given, use anchor quantity for next larger window in chart.
7. For continuous head and sill trims & triples, use the same fastener schedule for each unit in the main frame except ignore the intermediate jamb.



Outside Dimension = I.D. + 1"

Caulk Between Flange and Buck

Jamb

1/8" SHIM

Buck

Topcon

Buck By Others

1/8" MIN. EMBEDMENT

Concrete or Masonry Opening By Others

Outside Dimension = I.D. + 1"

Caulk Between Flange and Buck

Jamb

1/8" SHIM

Buck

Topcon

Buck By Others

1/8" MIN. EMBEDMENT

Concrete or Masonry Opening By Others

Outside Dimension = I.D. + 1"

Caulk Between Flange and Buck

Jamb

1/8" SHIM

Buck

Topcon

Buck By Others

1/8" MIN. EMBEDMENT

Concrete or Masonry Opening By Others

Outside Dimension = I.D. + 1"

Caulk Between Flange and Buck

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Jamb

1/8" SHIM

Buck

Topcon

Buck By Others

1/8" MIN. EMBEDMENT

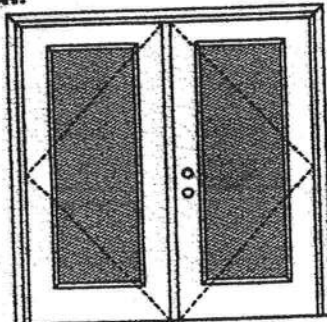
Concrete or Masonry Opening By Others

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

Double Door
Maximum unit size = 6'0" x 6'8"

Design Pressure
+40.5/-40.5
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-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 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 styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson
EntrySystems

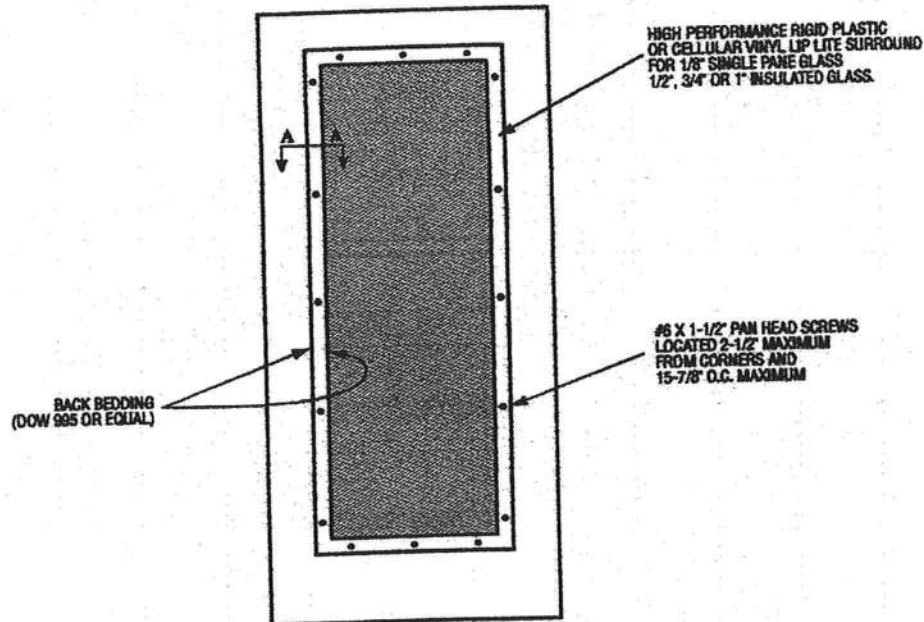
March 29, 2002
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PREMIER Collection
Premium Quality Doors

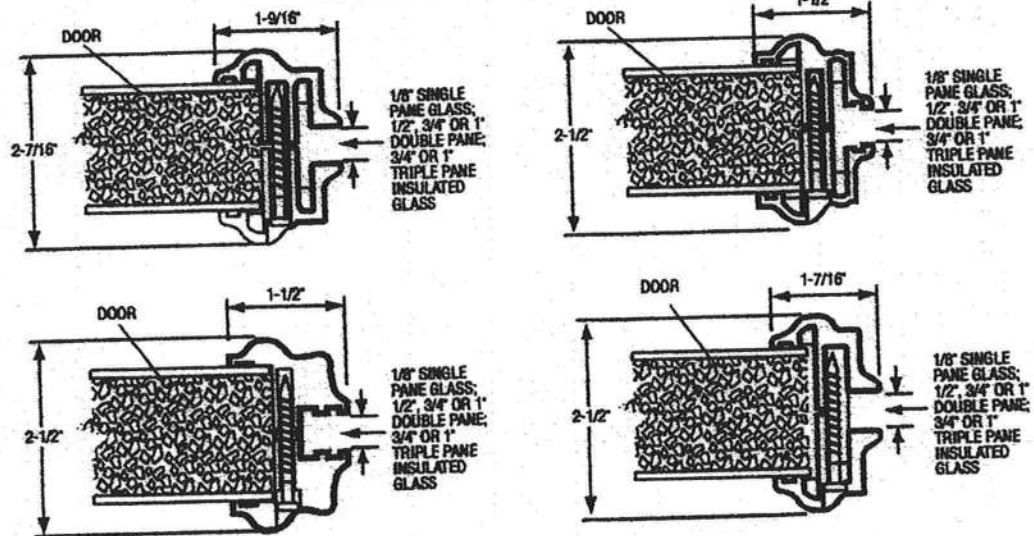
Exclusively from
Masonite
Masonite International Corporation

MAD-WL-MA0041-02

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



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PRENDOR Collection
Premium Quality Doors

Exclusively from
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XX

Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS**APPROVED DOOR STYLES:****3/4 GLASS:**

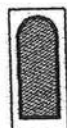
404 Series



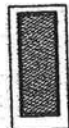
418 Series



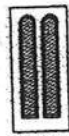
450 Series

FULL GLASS:

109 Series

114, 120, 122
Series

152 Series



149 Series



900 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

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. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper 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).

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

Johnson
EntrySystems

March 29, 2002

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PREMIER Collection
Premium Quality Doors

Exclusively from

Masonite

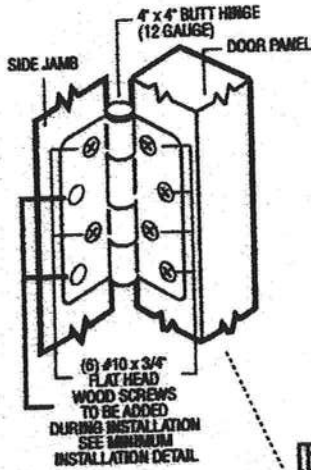
Masonite International Corporation

XX
Unit

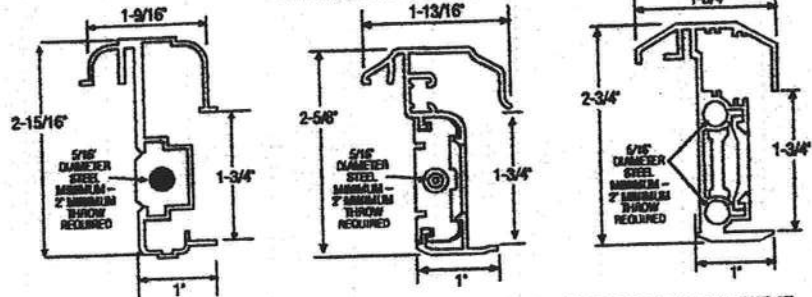
MAD-WL-MA0012-02

OUTSWING UNITS WITH DOUBLE DOOR

TYPICAL HINGE ATTACHMENT



TYPICAL ASTRAGAL PROFILES



ALUMINUM EXTRUDED ASTRAGAL (0.06" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDRICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS - LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.

(3) FOR 7'0" HEIGHT OR SMALLER
(4) FOR HEIGHTS GREATER THAN 7'0"

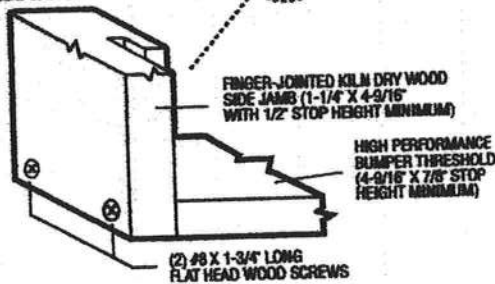
TYPICAL HEADER & SIDE JAMB ATTACHMENT

FINGER-JOINTED KILN DRY WOOD FRAME HEADER (1-1/4" X 4-9/16" WITH 1/2" STOP HEIGHT MINIMUM)

(3) 2" LONG X 1/2" CROWN WIRE STAPLES

FINGER-JOINTED KILN DRY WOOD SIDE JAMB (1-1/4" X 4-9/16" WITH 1/2" STOP HEIGHT MINIMUM)

TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



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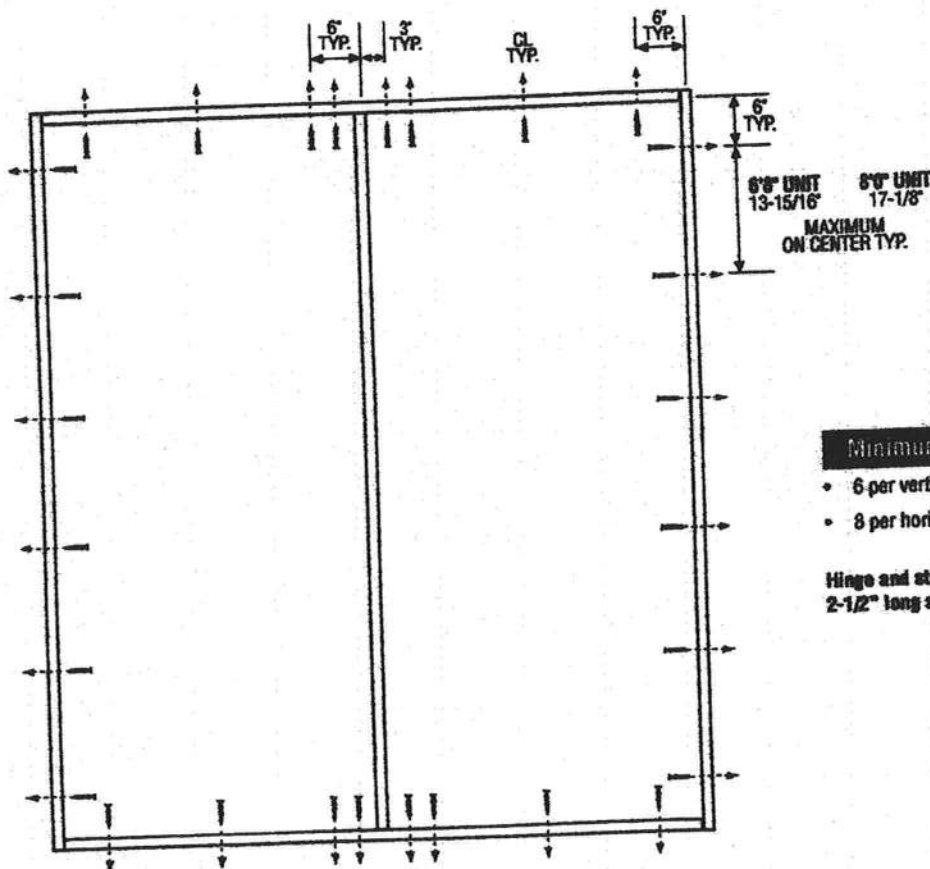
PREMIER Collection
Premium Quality Doors

Exclusively from
Masonite
Masonite International Corporation

XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from
Masonite
Masonite International Corporation

Residential System Sizing Calculation

Summary

Paul Residence

Project Title:
Matt Paul

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

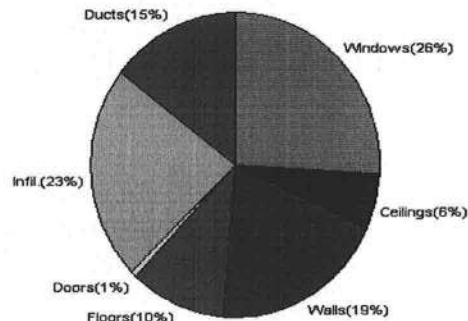
12/21/2007

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	30624 Btuh	Total cooling load calculation	41270 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	117.6 36000	Sensible (SHR = 0.75)	79.6 27000
Heat Pump + Auxiliary(0.0kW)	117.6 36000	Latent	122.6 9000
		Total (Electric Heat Pump)	87.2 36000

WINTER CALCULATIONS

Winter Heating Load (for 1600 sqft)

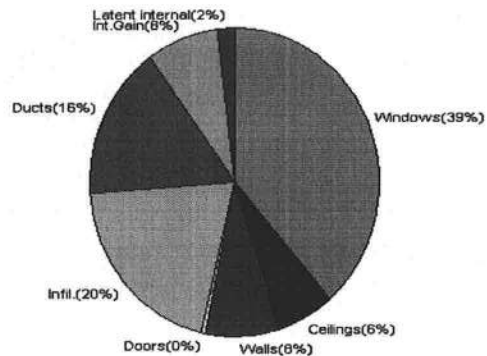
Load component		Load
Window total	249 sqft	8015 Btuh
Wall total	1803 sqft	5921 Btuh
Door total	20 sqft	259 Btuh
Ceiling total	1600 sqft	1885 Btuh
Floor total	195 sqft	3189 Btuh
Infiltration	171 cfm	6913 Btuh
Duct loss		4441 Btuh
Subtotal		30624 Btuh
Ventilation	0 cfm	0 Btuh
TOTAL HEAT LOSS		30624 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1600 sqft)

Load component		Load
Window total	249 sqft	15923 Btuh
Wall total	1803 sqft	3421 Btuh
Door total	20 sqft	196 Btuh
Ceiling total	1600 sqft	2650 Btuh
Floor total		0 Btuh
Infiltration	149 cfm	2779 Btuh
Internal gain		3320 Btuh
Duct gain		5641 Btuh
Sens. Ventilation	0 cfm	0 Btuh
Total sensible gain		33931 Btuh
Latent gain(ducts)		1082 Btuh
Latent gain(infiltration)		5457 Btuh
Latent gain(ventilation)		0 Btuh
Latent gain(internal/occupants/other)		800 Btuh
Total latent gain		7340 Btuh
TOTAL HEAT GAIN		41270 Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE:

[Signature]
12-21-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Paul Residence

Project Title:
Matt Paul

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

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

12/21/2007

Component Loads for Whole House					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	9.0	32.2	290 Btuh
2	2, Clear, Metal, 0.87	W	40.0	32.2	1288 Btuh
3	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
4	2, Clear, Metal, 0.87	N	45.0	32.2	1449 Btuh
5	2, Clear, Metal, 0.87	E	30.0	32.2	966 Btuh
6	2, Clear, Metal, 0.87	E	40.0	32.2	1288 Btuh
7	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
8	2, Clear, Metal, 0.87	W	40.0	32.2	1288 Btuh
	Window Total		249(sqft)		8015 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1215	3.3	3990 Btuh
2	Frame - Wood - Adj(0.09)	13.0	588	3.3	1931 Btuh
	Wall Total		1803		5921 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
	Door Total		20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1600	1.2	1885 Btuh
	Ceiling Total		1600		1885Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	5	195.0 ft(p)	16.4	3189 Btuh
	Floor Total		195		3189 Btuh
	Envelope Subtotal:				19270 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=
	Natural	0.80	12800	1803	170.7
					6913 Btuh
Ductload				(DLM of 0.170)	4441 Btuh
All Zones				Sensible Subtotal All Zones	30624 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	30624 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	30624 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Paul Residence

Project Title:
Matt Paul

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

12/21/2007

EQUIPMENT			
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1. Electric Heat Pump	#	36000 Btuh
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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)



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Paul Residence

Project Title:
Matt Paul

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

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

12/21/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	W	9.0		32.2	290 Btuh
2	2, Clear, Metal, 0.87	W	40.0		32.2	1288 Btuh
3	2, Clear, Metal, 0.87	W	30.0		32.2	966 Btuh
4	2, Clear, Metal, 0.87	N	45.0		32.2	1449 Btuh
5	2, Clear, Metal, 0.87	E	30.0		32.2	966 Btuh
6	2, Clear, Metal, 0.87	E	40.0		32.2	1288 Btuh
7	2, Clear, Metal, 0.87	S	15.0		32.2	483 Btuh
8	2, Clear, Metal, 0.87	W	40.0		32.2	1288 Btuh
Window Total			249(sqft)			8015 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1215		3.3	3990 Btuh
2	Frame - Wood - Adj(0.09)	13.0	588		3.3	1931 Btuh
Wall Total			1803			5921 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
Door Total			20			259 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1600		1.2	1885 Btuh
Ceiling Total			1600			1885 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	5	195.0 ft(p)		16.4	3189 Btuh
Floor Total			195			3189 Btuh
Zone Envelope Subtotal:						19270 Btuh
Infiltration	Type	ACH	X	Volume(cuft)	walls(sqft)	CFM=
	Natural	0.80		12800	1803	170.7
						6913 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.170)					4441 Btuh
Zone #1	Sensible Zone Subtotal					30624 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Paul Residence

Project Title:
Matt Paul

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

12/21/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	30624 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	30624 Btuh

EQUIPMENT

1. Electric Heat Pump	#	36000 Btuh
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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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Paul Residence

Project Title:
Matt Paul

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

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

12/21/2007

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	W	1.5ft	8ft.	9.0	0.0	9.0	29	80	716	Btuh
2	2, Clear, 0.87, None,N,N	W	9.5ft	8ft.	40.0	39.3	0.7	29	80	1193	Btuh
3	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385	Btuh
4	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	45.0	0.0	45.0	29	29	1303	Btuh
5	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385	Btuh
6	2, Clear, 0.87, None,N,N	E	19.1	8ft.	40.0	40.0	0.0	29	80	1158	Btuh
7	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	29	34	434	Btuh
8	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	40.0	0.0	40.0	29	80	3181	Btuh
	Excursion									3166	Btuh
	Window Total				249 (sqft)					15923 Btuh	
Walls	Type		R-Value/U-Value			Area(sqft)		HTM		Load	
1	Frame - Wood - Ext		13.0/0.09			1215.0		2.1		2534 Btuh	
2	Frame - Wood - Adj		13.0/0.09			588.0		1.5		887 Btuh	
	Wall Total					1803 (sqft)				3421 Btuh	
Doors	Type					Area (sqft)		HTM		Load	
1	Insulated - Adjacent					20.0		9.8		196 Btuh	
	Door Total					20 (sqft)				196 Btuh	
Ceilings	Type/Color/Surface		R-Value			Area(sqft)		HTM		Load	
1	Vented Attic/DarkShingle		30.0			1600.0		1.7		2650 Btuh	
	Ceiling Total					1600 (sqft)				2650 Btuh	
Floors	Type		R-Value			Size		HTM		Load	
1	Slab On Grade		5.0			195 (ft(p))		0.0		0 Btuh	
	Floor Total					195.0 (sqft)				0 Btuh	
	Envelope Subtotal:										22190 Btuh
Infiltration	Type		ACH		Volume(cuft)		wall area(sqft)	CFM=		Load	
	SensibleNatural		0.70		12800		1803	170.7		2779 Btuh	
Internal gain			Occupants		Btuh/occupant		Appliance		Load		
			4		X 230		+	2400		3320 Btuh	
	Sensible Envelope Load:										28289 Btuh
Duct load	(DGM of 0.199)										5641 Btuh
	Sensible Load All Zones										33931 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Paul Residence

Project Title:
Matt Paul

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

12/21/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	28289 Btuh
	Sensible Duct Load	5641 Btuh
	Total Sensible Zone Loads	33931 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	33931 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5457 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1082 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	7340 Btuh
	TOTAL GAIN	41270 Btuh

EQUIPMENT

1. Central Unit	#	36000 Btuh
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*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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Paul Residence

Project Title:

Code Only

Lake City, FL 32025-

Matt Paul

Professional Version

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

12/21/2007

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	W	1.5ft	8ft.	9.0	0.0	9.0	29	80	716	Btuh	
2	2, Clear, 0.87, None,N,N	W	9.5ft	8ft.	40.0	39.3	0.7	29	80	1193	Btuh	
3	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385	Btuh	
4	2, Clear, 0.87, None,N,N	N	1.5ft	8ft.	45.0	0.0	45.0	29	29	1303	Btuh	
5	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	29	80	2385	Btuh	
6	2, Clear, 0.87, None,N,N	E	19.1	8ft.	40.0	40.0	0.0	29	80	1158	Btuh	
7	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	15.0	15.0	0.0	29	34	434	Btuh	
8	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	40.0	0.0	40.0	29	80	3181	Btuh	
Window Total					249 (sqft)					12757 Btuh		
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load		
1	Frame - Wood - Ext	13.0/0.09			1215.0			2.1		2534 Btuh		
2	Frame - Wood - Adj	13.0/0.09			588.0			1.5		887 Btuh		
Wall Total					1803 (sqft)					3421 Btuh		
Doors	Type				Area (sqft)			HTM		Load		
1	Insulated - Adjacent				20.0			9.8		196 Btuh		
Door Total					20 (sqft)					196 Btuh		
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle	30.0			1600.0			1.7		2650 Btuh		
Ceiling Total					1600 (sqft)					2650 Btuh		
Floors	Type	R-Value			Size			HTM		Load		
1	Slab On Grade	5.0			195 (ft(p))			0.0		0 Btuh		
Floor Total					195.0 (sqft)					0 Btuh		
Zone Envelope Subtotal:										19024 Btuh		
Infiltration	Type	ACH			Volume(cuft) wall area(sqft)			CFM=		Load		
	SensibleNatural	0.70			12800 1803			149.3		2779 Btuh		
Internal gain		Occupants			Btuh/occupant			Appliance		Load		
		4			X 230 +			2400		3320 Btuh		
Sensible Envelope Load:										25123 Btuh		
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)							(DGM of 0.199)		5010 Btuh		
	Sensible Zone Load										30133 Btuh	

The following window Excursion will be assigned to the system loads.

Windows	July excursion for System 1	3166 Btuh
	Excursion Subtotal:	3166 Btuh
Duct load		631 Btuh
	Sensible Excursion Load	3797 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Paul Residence

Project Title:
Matt Paul

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

12/21/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	28289 Btuh
	Sensible Duct Load	5641 Btuh
	Total Sensible Zone Loads	33931 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	33931 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5457 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1082 Btuh
	Latent occupant gain (4 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	7340 Btuh
	TOTAL GAIN	41270 Btuh

EQUIPMENT

1. Central Unit	#	36000 Btuh
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*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)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Paul Residence

Project Title:
Matt Paul

Lake City, FL 32025-

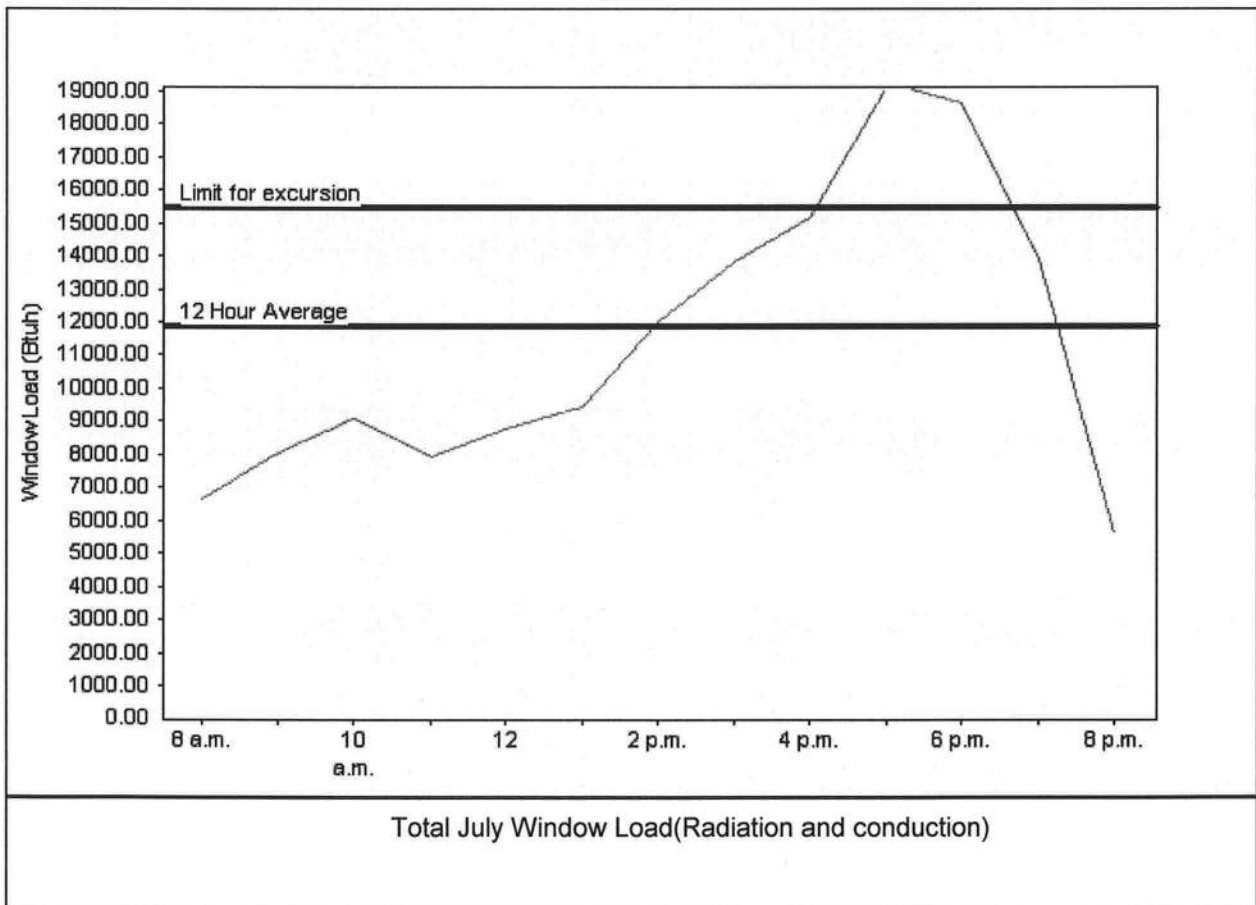
Code Only
Professional Version
Climate: North

12/21/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	11887 Btu
Summer setpoint	75 F	Peak window load for July	19231 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	15453 Btu
Latitude	29 North	Window excursion (July)	3777 Btu

WINDOW Average and Peak Loads



This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: ____/____/____



New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

26638

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 321 N.W. Cole Terrace, Suite 107 City Lake City State FL Zip 32055
Company Business License No. JB109476 Company Phone No. 386-755-3611 • 352-494-5751
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Matt Pool Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 1045 S.W. Region Dr.
John C. H. #1

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside _____ Inside _____ Type of Fill _____

Section 4: Treatment Information

Date(s) of Treatment(s) 2-7-08
Brand Name of Product(s) Used B. for
EPA Registration No. 53883-189
Approximate Final Mix Solution % 1.06
Approximate Size of Treatment Area: Sq. ft. 254684 Linear ft. _____ Linear ft. of Masonry Voids _____
Approximate Total Gallons of Solution Applied 65
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☐ Yes ☒ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments Only Treated 24x26 modular slab did not
treat stem walls

Name of Applicator(s) Steve Brannon Certification No. (if required by State law) _____

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature [Signature] Date 2-7-08

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

Sent to
Tax Collector for
Collection 8-10-09

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING

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 17-4S-16-03051-104

Building permit No. 000026638

Use Classification SFD/UTILITY

Fire: 44.94

Permit Holder MATTHEW PAUL

Waste: 117.25

Owner of Building MATTHEW & WANDA PAUL

Total: 162.19

Location: 1045 SW LEGION DRIVE, LAKE CITY, FL

Date: 03/19/2009

Tony Sticker

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 17-45-16-03051-104

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): Lot 4 South Pointe
a) Street (job) Address: 1045 SW Legion Dr Lake City FL 32024
2. General description of improvements: Single family dwelling
3. Owner Information
a) Name and address: Matthew and Wanda Paul
b) Name and address of fee simple titleholder (if other than owner) NA
c) Interest in property home site
4. Contractor Information
a) Name and address: owner builder Matthew Paul
b) Telephone No.: 770-298-7080 Fax No. (Opt.) _____
5. Surety Information
a) Name and address: NA
b) Amount of Bond: _____
c) Telephone No.: _____
6. Lender
a) Name and address: NA
b) Phone No.: _____
Inst: 200812000381 Date: 1/8/2008 Time: 4:32 PM
19 DC, P. DeWitt Cason, Columbia County Page 1 of 1
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: NA
b) Telephone No.: _____ Fax No. (Opt.) _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b).
Florida Statutes:
a) Name and address: NA
b) Telephone No.: _____ Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

X10. [Signature]
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager
Matthew Paul
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 7 day of Jan., 2007, by:
Linda Roder as notary (type of authority, e.g. officer, trustee, attorney
fact) for _____ (name of party on behalf of whom instrument was executed).

Personally Known _____ OR Produced Identification X Type _____

Notary Signature [Signature] Notary Stamp or Seal: _____

—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

return to:
N.F.C. Permit Service
387 SW Kemper Ct
Lake City, FL 32024