Columbia County Building Permit Application

Revised 9-23-

For Office Use Only Application # 0602-28 Date Received 4/9/06 By JW Permit # 24233 3/100

Application Approved by - Zoning Official BLK Date 15.02.06 Plans Examiner OK JTH Date 3-9-06

Flood Zone Flooded X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments NOC Section 8.9 1st floor to be at 34ft. Elevation.
NO FILL TO BE BROUGHT IN TO RAISE STEM WALL Required

Applicants Name Hugo Escalante Phone 386-288-8666

Address P.O. BOX 280, Fort White, Florida 32038

Owners Name GIT Properties & ABE Land Corp Inc Phone 305-305-5896

911 Address 1534 S.W. Newark DR, Fort White, FL 32038

Contractors Name Hugo Escalante (EWPL INC) Phone 386-288-8666

Address P.O. BOX 280, Fort White, FL 32038

Fee Simple Owner Name & Address None

Bonding Co. Name & Address None

Architect/Engineer Name & Address Daniel Shaheen, Lake City, Florida

Mortgage Lenders Name & Address Mercantile Bank.

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

Property ID Number 00-00-00-01263-039 Estimated Cost of Construction $135,000-

Subdivision Name 3 Rivers Estates Subdivision Lot 39 Block ____ Unit 20 Phase ____

Driving Directions South on 47, to US 27 make right, go to Ichetucknee Blvd make left first left on Utah Pky to Newark RD make right go 3 miles Lot 39 on Right.

Type of Construction New Single Family Number of Existing Dwellings on Property 0

Total Acreage 1 Lot Size ____ Do you need a - (Culvert Permit) or Culvert Waiver or Have an Existing Driv

Actual Distance of Structure from Property Lines - Front 100' ✓ Side 25' ✓ Side 25' ✓ Rear 200' ✓

Total Building Height 21'-0" Number of Stories 1 Heated Floor Area 1709 SqFt Roof Pitch 7-12

Porches 255 GARAGE 519 2483

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 COMMENCMENT 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.

Hugo Escalante
Owner Builder or Agent (Including Contractor)

Hugo Escalante
Contractor Signature

Contractors License Number CRC1326962

Competency Card Number

STATE OF FLORIDA
COUNTY OF COLUMBIA

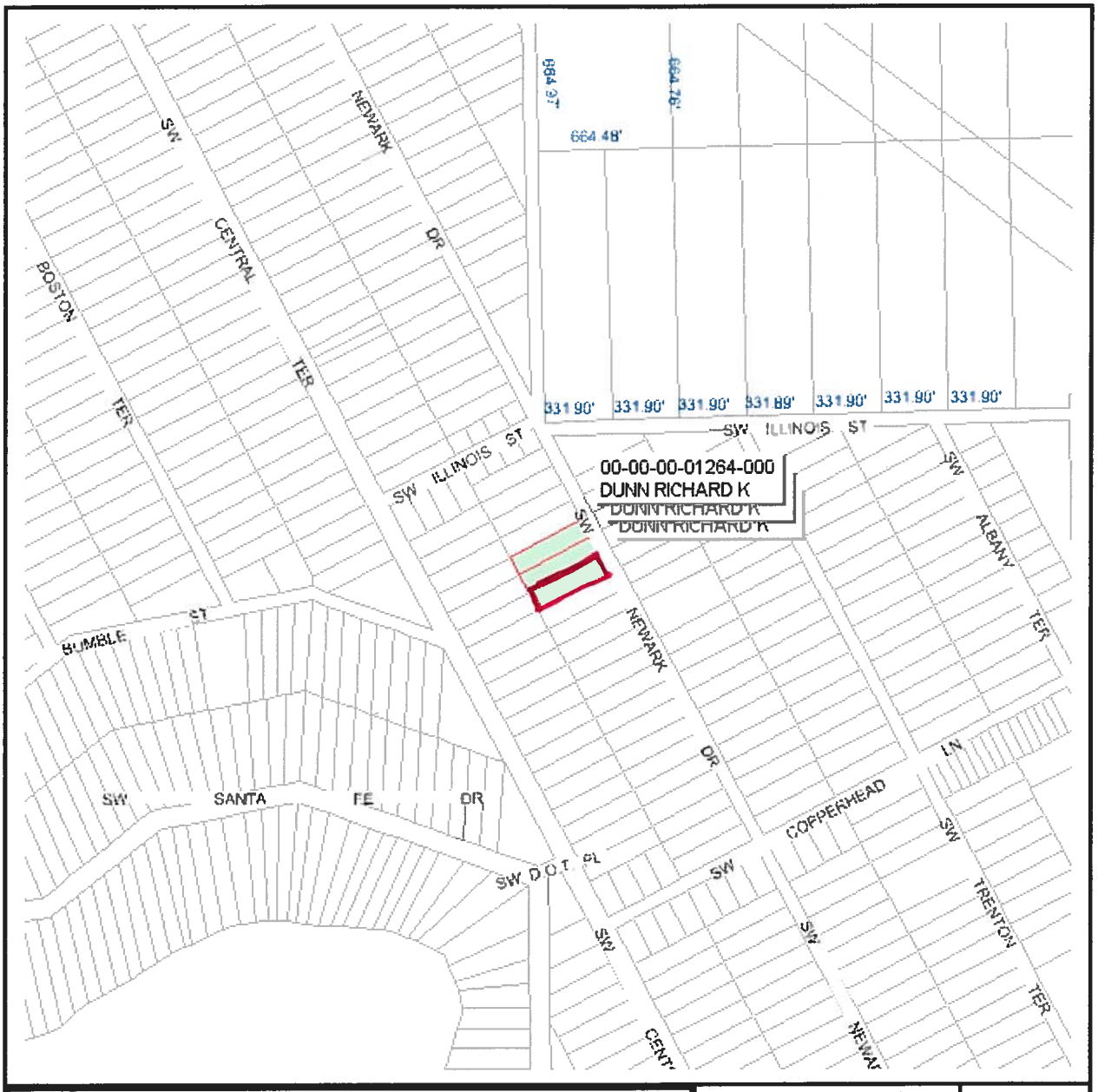
NOTARY STAMP/SEAL
MY COMMISSION # DD 333586
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

Sworn to (or affirmed) and subscribed before me this 8th day of February 2006.

Personally known ____ or Produced Identification ____

3781

Notary Signature



Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 00-00-00-01264-000 - VACANT (000000)

LOTS 39, 40 & 41 UNIT 20 THREE RIVERS ESTATES. PROB#05-103CP 1049-2414 THRU

Name:	GIT PROPERTIES & INVESTMENTS	LandVal	$15,300.00
Site:		BldgVal	$0.00
Mail:	& A & I LAND CORP INC & MARTHA ROSA ESPINOZA 1516 SW 150 AVE MIAMI, FL 33194	ApprVal	$15,300.00
		JustVal	$15,300.00
		Assd	$15,300.00
		Exmpt	$0.00
Sales Info	8/24/2005 $85,000.00 V / Q 7/29/2005 $16,500.00 V / Q	Taxable	$15,300.00

This information, GIS Map Updated: 8/3/2005, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph 386-754-5419, Fax 386-269-4871

One Foot Rise Analysis and Certification, 100 Year Base Flood

SPEC HOUSE, EWPL Inc, Lot 39, Unit 20, Three Rivers Estates, 00-00-00-01263-039, Columbia Co, FL

- PROPERTY DESCRIPTION: Lot 39, Three Rivers Estates, Unit 20, 00-00-00-01263-039, Sec 25 Twp 6S Rng 15E, Columbia Co, FL
- OWNER: EWPL Inc
- CONTRACTOR: EWPL Inc
- PROJECT: A 2483 ft2 house on slab on grade stem wall foundation with filled stem wall.
- BASE FLOOD ELEVATION: 34', Ichetucknee River (Per Flood Insurance Rate Map, Dated 06Jan88 Community Panel No. 120070 0255 B.)
- FLOOD ZONE: X and X-other
- BASIN AREA AT BASE FLOOD ELEVATION: 647 Acres (Calculated from SRWMD flood plain data.)
- PROPOSED BUILDING AREA: Stem wall filled area 2483 ft2.
- PROPOSED BUILDING VOLUME BELOW FLOODPLAIN: (Slab) 2483 ft2 x 3' = 7450 ft3.
- EXISTING GRADE ELEVATION AT BUILDING LOCATION: 31' average for one foot rise calculations. (Note: Existing grade at building location based on topo survey, Donald Lee & Assoc WO#6-4906, Seal Date 3/1/06, attached.)
- CALCULATIONS: The project only requires volume calculations in this area since it is not a flowing or riverine area.

Floodplain volume removed = 7450 ft3

Floodplain level increase = (7450 ft3) / 43560 ft^2/acre / 647 acres = 0.00026 ft

CERTIFICATION:
I hereby certify that construction of SPEC HOUSE, EWPL Inc, Lot 39, Unit 20, Three Rivers Estates, 00-00-00-01263-039, Columbia Co, FL will increase flood elevations less than one foot at the project location, to the best of my knowledge.

08MAR06

BOUNDARY SURVEY

LOT 39, THREE RIVERS ESTATES, UNIT 20
IN SECTION 25, TOWNSHIP 6 SOUTH, RANGE 15 EAST
COLUMBIA COUNTY, FLORIDA

NOTES:

1.) Monumentation is as shown and designated on the face of the plat.

2.) Boundary based on monumentation found in place, description furnished by client, prior survey and subdivision by B.R. Wattles, PLS.

3.) Bearings projected from South Right-of-Way line of Newark Road and based on above referenced prior survey and subdivision by B.R. Wattles, PLS.

4.) Interior improvements, if present, were not located with this survey.

5.) Underground encroachments, if present, were not located with this survey.

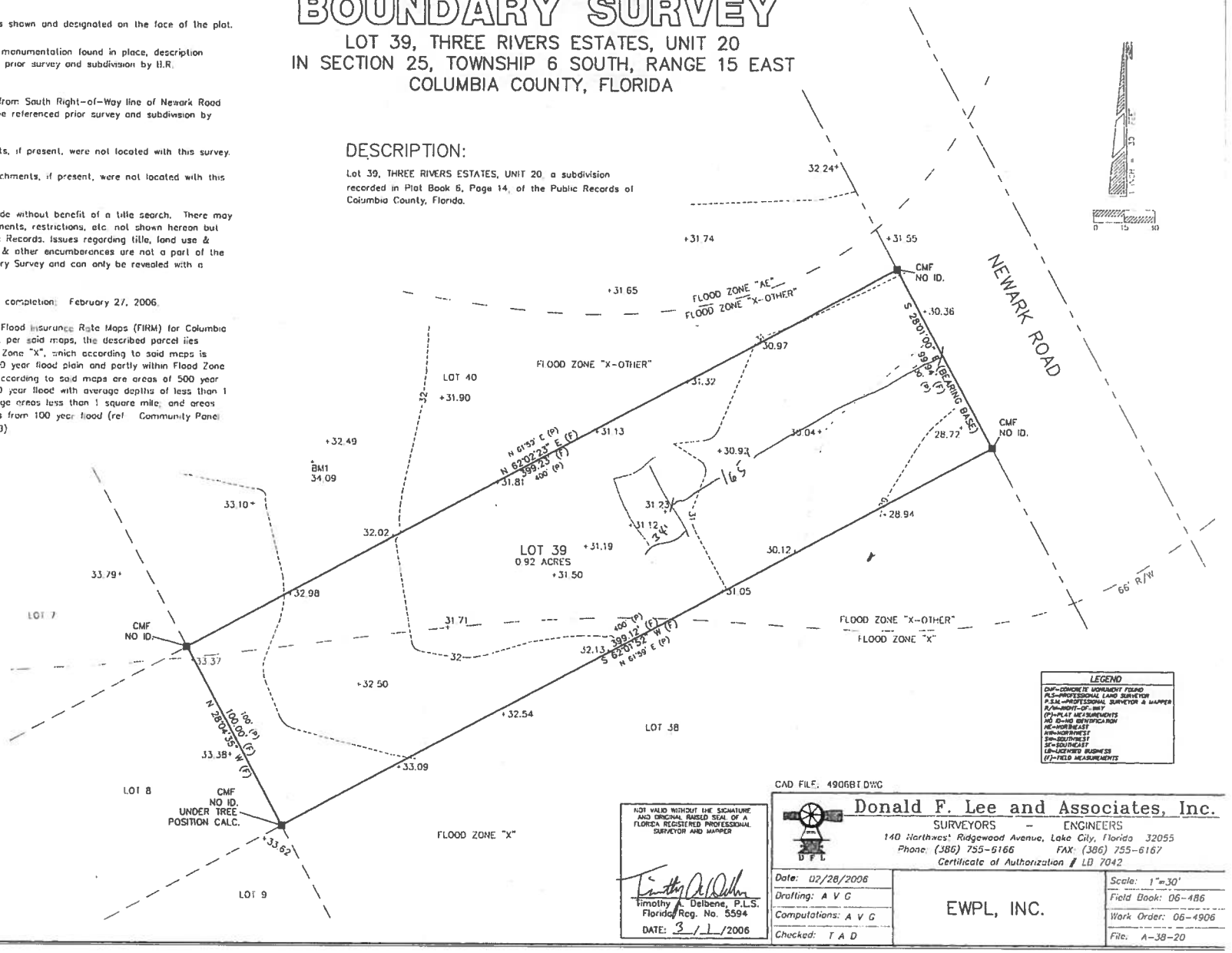
6.) This survey was made without benefit of a title search. There may be additional easements, restrictions, etc. not shown hereon but found in the Public Records. Issues regarding title, land use & zoning, easements & other encumberances are not a part of the scope of a Boundary Survey and can only be revealed with a title search.

7.) Date of field survey completion: February 27, 2006.

8.) Examination of the Flood Insurance Rate Maps (FIRM) for Columbia County shows that, per said maps, the described parcel lies partly within Flood Zone "X", which according to said maps is outside of the 500 year flood plain and partly within Flood Zone "X-Other", which according to said maps are areas of 500 year flood; areas of 100 year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100 year flood (ref. Community Panel No. 120070 0255 B)

DESCRIPTION:

Lot 39, THREE RIVERS ESTATES, UNIT 20, a subdivision recorded in Plat Book 6, Page 14, of the Public Records of Columbia County, Florida.



NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA REGISTERED PROFESSIONAL SURVEYOR AND MAPPER

Timothy A. Delbene, P.L.S.
Florida Reg. No. 5594
DATE: 3/1/2006

CAD FILE: 4906BT.DWG

Donald F. Lee and Associates, Inc.
SURVEYORS - ENGINEERS
140 Northwest Ridgewood Avenue, Lake City, Florida 32055
Phone: (386) 755-6166 FAX: (386) 755-6167
Certificate of Authorization # LB 7042

Date: 02/28/2006	EWPL, INC.	Scale: 1"=30'
Drafting: A V C		Field Book: 06-486
Computations: A V C		Work Order: 06-4906
Checked: T A D		File: A-38-20

PIN 00-00-00-01263-000
Use VACANT (000000)
Yr.Blt
Desc LOT 38 UNIT 20 THREE RIVERS ESTATES ORB 387-671, 766-078, 766-930
OWNER INFO
Name BUSTAMANTE SHEILA E
Site
Mail 1803 42ND WAY N ST PETERSBURG, FL 337134746
ASSESSMENT INFO
LndVal $15,300.00
AgVal $0.00
BldVal $0.00
ApVal $15,300.00
JustVal $15,300.00
Assd $15,300.00
Exmpt $0.00
Taxable $15,300.00
SALES INFO
8/20/1982 $5,000.00 V / Q
SEARCH RESULTS
Highlight Parcel
Label Parcel
Auto-Zoom Parcel
Click to Show Previous Search Results
Show Results
DB Last Updated: 3/7/2006
GIS Map Updated: 2/7/2006
EAST
NORTH
SOUTH
WEST
(Private Rd) SW LEAH CT
(Private Rd) SW LUKE PL
(Private Rd) SW SAN TUCKNEE TER
SW ILLINOIS ST
SW DILLON CT
SW ALBANY TER
SW TRENTON TER
SW NEWARK DR
SW ALBERTA PL
SW COOPERHEAD TER
SW CENTRAL TER
SW CALIFORNIA TER
SW OHIO PL
SW D.O.T. R/W
SW BUMBLE BEE
SW SANTA FE
SW BOSTON TER
Click Parcel to Identify Owner
00-00-00-01263-000
8/20/1982 - $5,000 - V/Q

Columbia County Property Appraiser

DB Last Updated: 9/16/2005

2005 Proposed Values

Parcel: 00-00-00-01264-000 Tax Record Property Card Interactive GIS Map Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	GIT PROPERTIES & INVESTMENTS
Site Address	
Mailing Address	& A & I LAND CORP INC & MARTHA ROSA ESPINOZA 1516 SW 150 AVE MIAMI, FL 33194
Brief Legal	LOTS 39, 40 & 41 UNIT 20 THREE RIVERS ESTATES. PROB#05-103CP 1049-2414 THRU

Use Desc. (code)	VACANT (000000)
Neighborhood	100000.20
Tax District	3
UD Codes	MKTA02
Market Area	02
Total Land Area	2.754 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	$15,300.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$15,300.00

Just Value	$15,300.00
Class Value	$0.00
Assessed Value	$15,300.00
Exempt Value	$0.00
Total Taxable Value	$15,300.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
8/24/2005	1057/1076	WD	V	Q		$85,000.00
7/29/2005	1053/872	WD	V	Q		$16,500.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	3.000 LT - (2.754AC)	1.00/1.00/1.00/1.00	$5,100.00	$15,300.00

Columbia County Property Appraiser DB Last Updated: 9/16/2005

1 of 1

LYNCH WELL DRILLING, INC.

173 SW Tustenuggee Ave
Lake City, FL. 32025
Phone 386-752-6677
Fax 386-752-1477

Building Permit #_____ Owner's Name: EWPL - 3 River Estates - Lot 39

Well Depth_____ Ft. Casing Depth _____Ft. Water Level _____Ft.

Casing Size 4 inch Steel Pump Installation: Deep Well Submersible

Pump Make Red Jacket Pump Model 100F211-20G8 HP 1

System Pressure (PSI) On 30 Off 50 Average Pressure 40

Pumping System GPM at average pressure and pumping level 20(GPM)

Tank Installation: Bladder /Galvanized Make Challenger

Model PC 244 Size 81 gallon

Tank Draw-down per cycle at system pressure 25.1 gallons

I HEREBY VERTIFY THAT THIS WATER WELL SYSTEM HAS BEEN INSTALLED AS PER THE ABOVE INFORMATION.

Linda Newcomb
Signature

Linda Newcomb
Print Name

2609
License Number

2/8/2006
Date

Prepared by and return to:
Susan Shattler

Home Town Title of North Florida
2744 US Highway 90 West
Lake City, FL 32055
386-754-7176
File Number: 2005-1070

Inst:2005021723 Date:08/08/2005 Time:15:44
Doc Stamp-Deed : 595.00
DC,P.DeWitt Cason,Columbia County B:1057 P:1076

[Space Above This Line For Recording Data]

Warranty Deed

This Warranty Deed made this 24th day of August, 2005 between Susan Bynum, a married person, who does not reside on the property described herein, whose post office address is 2714 SW Santa Fe Drive, Fort White, FL 32038, grantor, and G.I.T. Properties and Investments Inc and A&I Land Corp, Inc. and Martha Rosa Espinoza, as Tenants in Common whose post office address is 1516 SW 150 Avenue, Miami, FL 33194, grantee:

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

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

Lots 39, 40 and 41, of Unit 20 of 3 River Estates Subdivision, according to the Plat thereof, as recorded in Plat Book 6, at page 14, of the Public Records of Columbia County, Florida.

Parcel Identification Number: R01264-000

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

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

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2004.

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

Signed, sealed and delivered in our presence:

Witness Name: Susan Shattler

Witness Name: KELLEY CALLAHAN

Susan Bynum (Seal)

Susan Bynum

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 24 day of August, 2005 by Susan Bynum, who [ ] is personally known or [X] has produced a driver's license as identification.

Notary Public Susan Shattler

Printed Name: _____

My Commission Expires: _____

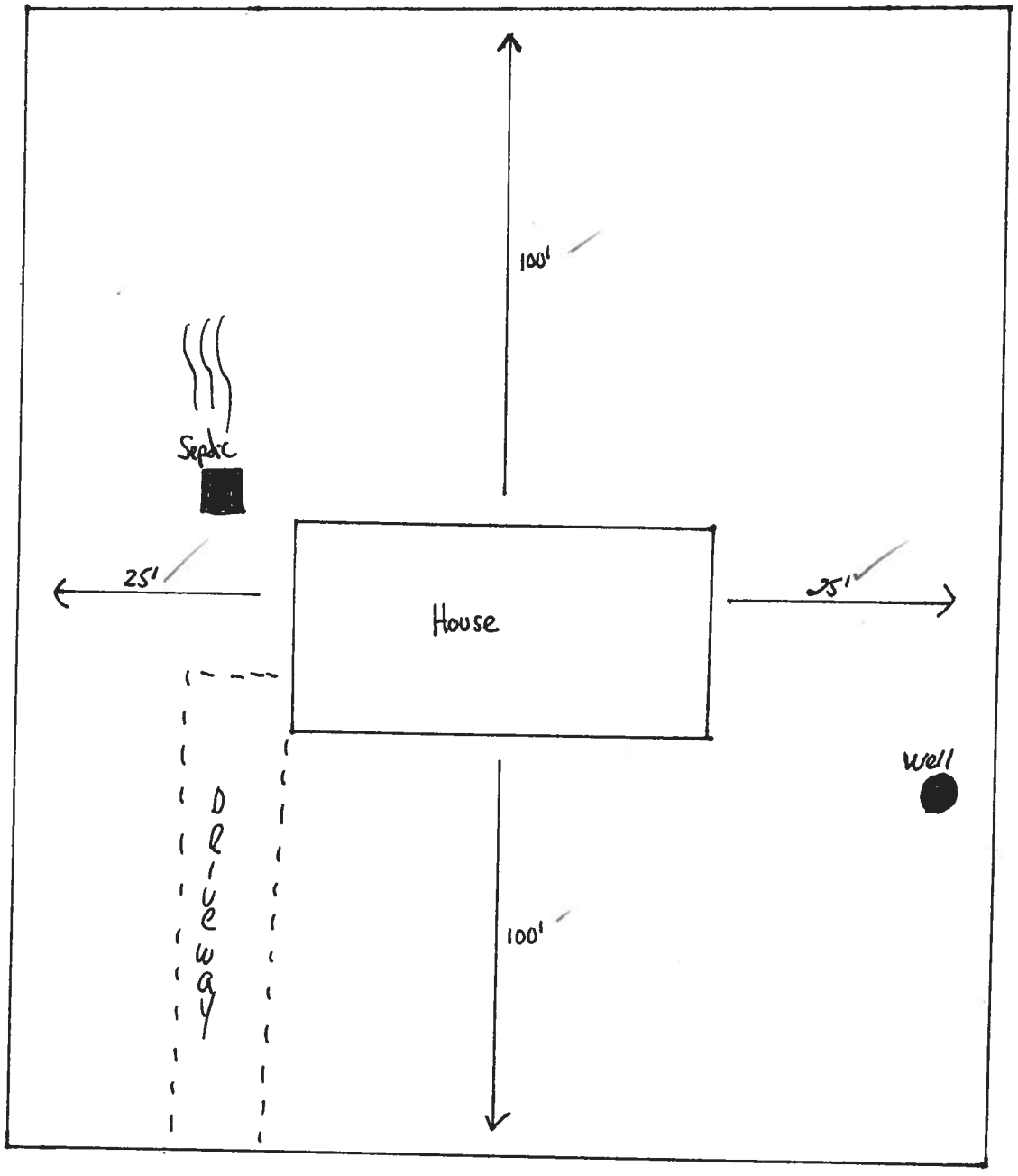
[Notary Seal]

SUSAN SHATTLER
Notary Public - State of Florida
My Commission Expires Apr 14, 2007
Commission # DD203202
Bonded By National Notary Assn.

Inst:2005021723 Date:09/06/2005 Time:15:44
Doc Stamp-Deed : 595.00
DC,P.DeWitt Cason,Columbia County B:1057 P:1077

DoubleTimes

Lot 39
Three Rivers Estates, Unit 20
Parcel # 201264-000



Newark Road

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 1/19/2006 **DATE ISSUED:** 1/31/2006

ENHANCED 9-1-1 ADDRESS:

1534 SW NEWARK DR

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

00-00-00-01264-000

Remarks:

LOT 39, UNIT 20, THREE RIVERS ESTATES S/D

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

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

50

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

Columbia County Property Appraiser

DB Last Updated: 1/9/2006

2006 Proposed Values

Parcel: 00-00-00-01264-000

Tax Record | Property Card | Interactive GIS Map | Print

Owner & Property Info

Search Result: 1 of 1

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Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
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Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
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Columbia County Property Appraiser DB Last Updated: 1/9/2006

1 of 1

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**MADISON - Lot 39 Three Rivers**	Builder:	**EWPL INC**
Address:	**Lot: 39, Sub: Three Rivers Es, Plat:**	Permitting Office:	Columbia
City, State:	**Fort White, FL**	Permit Number:	24233
Owner:	**GTI PROPERTIES**	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: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	1709 ft²	c. N/A	
7. Glass area & type			
a. Clear - single pane	0.0 ft²	13. Heating systems	
b. Clear - double pane	307.0 ft²	a. Electric Heat Pump	Cap: 36.0 kBtu/hr
c. Tint/other SHGC - single pane	0.0 ft²		HSPF: 6.80
d. Tint/other SHGC - double pane	0.0 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 209.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Adjacent	R=13.0, 198.0 ft²		EF: 0.90
b. Frame, Wood, Exterior	R=13.0, 1632.0 ft²	b. N/A	
c. N/A			
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	CF,
a. Under Attic	R=30.0, 1709.0 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 150.0 ft		
b. N/A			

Glass/Floor Area: 0.18 | Total as-built points: 25445 | Total base points: 27810 | **PASS**

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

PREPARED BY: _____

DATE: 3-1-06

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

OWNER/AGENT: _____

DATE: _____

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

GREAT SEAL OF THE STATE OF FLORIDA — IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 39, Sub: Three Rivers Es, Plat: , Fort White, FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. 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.	

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 39, Sub: Three Rivers Es, Plat: , Fort White, FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2746.00	8238.0	40.0	0.90	3		1.00	2684.98	1.00	8054.9
				As-Built Total:							**8054.9**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
9476	**10096**	**8238**	**27810**	**7432**	**9958**	**8055**	**25445**

PASS

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 39, Sub: Three Rivers Es, Plat: , Fort White, FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points				Area X	WPM	=	Points
	1709.0	-0.59	-1008.3				1709.0	-0.59		-1008.3
Winter Base Points:			**16091.9**	**Winter As-Built Points:**						**17085.6**
Total Winter Points	X System Multiplier	=	Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Heating Points
16091.9	**0.6274**		**10096.1**	17085.6 **17085.6**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.501 **0.501**	1.000 **1.000**		9957.5 **9957.5**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 39, Sub: Three Rivers Es, Plat: , Fort White, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1709.0	12.74	3919.1	Double, Clear	E	1.5	9.0	53.7	9.09	1.02	495.5	
				Double, Clear	E	5.0	10.0	13.3	9.09	1.12	135.7	
				Double, Clear	E	5.0	4.0	9.0	9.09	1.35	110.3	
				Double, Clear	E	1.5	6.0	30.0	9.09	1.04	282.4	
				Double, Clear	N	1.5	5.0	16.0	14.30	1.00	229.7	
				Double, Clear	S	1.5	1.5	4.0	4.03	2.73	44.0	
				Double, Clear	W	1.5	6.0	60.0	10.77	1.02	661.1	
				Double, Clear	W	8.0	10.0	24.0	10.77	1.14	295.3	
				Double, Clear	N	1.5	6.0	20.0	14.30	1.00	286.8	
				Double, Clear	NW	1.5	7.5	21.0	14.03	1.00	295.0	
				Double, Clear	SW	3.0	7.5	21.0	7.17	1.16	175.0	
				Double, Clear	W	1.5	7.5	35.0	10.77	1.01	381.9	
				As-Built Total:				**307.0**			**3392.7**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	198.0	3.60	712.8	Frame, Wood, Adjacent			13.0	198.0	3.30		653.4	
Exterior	1632.0	3.70	6038.4	Frame, Wood, Exterior			13.0	1632.0	3.40		5548.8	
Base Total:	**1830.0**		**6751.2**	**As-Built Total:**				**1830.0**			**6202.2**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	20.0	11.50	230.0	Exterior Wood				20.0	12.30		246.0	
Exterior	68.0	12.30	836.4	Exterior Wood				48.0	12.30		590.4	
				Adjacent Wood				20.0	11.50		230.0	
Base Total:	**88.0**		**1066.4**	**As-Built Total:**				**88.0**			**1066.4**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =		Points	
Under Attic	1709.0	2.05	3503.4	Under Attic			30.0	1709.0	2.05 X 1.00		3503.4	
Base Total:	**1709.0**		**3503.4**	**As-Built Total:**				**1709.0**			**3503.4**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	209.0(p)	8.9	1860.1	Slab-On-Grade Edge Insulation			0.0	209.0(p	18.80		3929.2	
Raised	0.0	0.00	0.0									
Base Total:			**1860.1**	**As-Built Total:**				**209.0**			**3929.2**	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 39, Sub: Three Rivers Es, Plat: , Fort White, FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points				Area X	SPM	=	Points
	1709.0	10.21	17448.9				1709.0	10.21		17448.9
Summer Base Points:			**22213.0**	**Summer As-Built Points:**						**24178.2**
Total Summer Points	X System Multiplier		= Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
22213.0	**0.4266**		**9476.1**	24178.2 **24178.2**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.284 **0.284**	0.950 **0.950**		7432.5 **7432.5**

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 39, Sub: Three Rivers Es, Plat: , Fort White, FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	1709.0	20.04	6164.7	Double, Clear	E	1.5	9.0	53.7	40.22	0.97	2093.3
				Double, Clear	E	5.0	10.0	13.3	40.22	0.73	389.1
				Double, Clear	E	5.0	4.0	9.0	40.22	0.46	167.7
				Double, Clear	E	1.5	6.0	30.0	40.22	0.91	1101.4
				Double, Clear	N	1.5	5.0	16.0	19.22	0.92	281.5
				Double, Clear	S	1.5	1.5	4.0	34.50	0.52	71.8
				Double, Clear	W	1.5	6.0	60.0	36.99	0.91	2026.9
				Double, Clear	W	8.0	10.0	24.0	36.99	0.58	518.1
				Double, Clear	N	1.5	6.0	20.0	19.22	0.94	360.8
				Double, Clear	NW	1.5	7.5	21.0	25.46	0.96	511.0
				Double, Clear	SW	3.0	7.5	21.0	38.46	0.75	603.6
				Double, Clear	W	1.5	7.5	35.0	36.99	0.95	1228.7
				As-Built Total:				**307.0**			**9354.0**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	198.0	0.70	138.6	Frame, Wood, Adjacent	13.0	198.0	0.60	118.8
Exterior	1632.0	1.70	2774.4	Frame, Wood, Exterior	13.0	1632.0	1.50	2448.0
Base Total:	**1830.0**		**2913.0**	**As-Built Total:**		**1830.0**		**2566.8**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	2.40	48.0	Exterior Wood	20.0	6.10	122.0
Exterior	68.0	6.10	414.8	Exterior Wood	48.0	6.10	292.8
				Adjacent Wood	20.0	2.40	48.0
Base Total:	**88.0**		**462.8**	**As-Built Total:**	**88.0**		**462.8**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	1709.0	1.73	2956.6	Under Attic	30.0	1709.0	1.73 X 1.00	2956.6
Base Total:	**1709.0**		**2956.6**	**As-Built Total:**		**1709.0**		**2956.6**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	209.0(p)	-37.0	-7733.0	Slab-On-Grade Edge Insulation	0.0	209.0(p	-41.20	-8610.8
Raised	0.0	0.00	0.0					
Base Total:			**-7733.0**	**As-Built Total:**		**209.0**		**-8610.8**

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.4

The higher the score, the more efficient the home.

GTI PROPERTIES, Lot: 39, Sub: Three Rivers Es, Plat: , Fort White, FL,

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: 12.00
4.	Number of Bedrooms	3	b.	N/A	
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	1709 ft²	c.	N/A	
7.	Glass area & type				
a.	Clear - single pane	0.0 ft²	13.	Heating systems	
b.	Clear - double pane	307.0 ft²	a.	Electric Heat Pump	Cap: 36.0 kBtu/hr
c.	Tint/other SHGC - single pane	0.0 ft²			HSPF: 6.80
d.	Tint/other SHGC - double pane	0.0 ft²	b.	N/A	
8.	Floor types				
a.	Slab-On-Grade Edge Insulation	R=0.0, 209.0(p) ft	c.	N/A	
b.	N/A				
c.	N/A		14.	Hot water systems	
9.	Wall types		a.	Electric Resistance	Cap: 40.0 gallons
a.	Frame, Wood, Adjacent	R=13.0, 198.0 ft²			EF: 0.90
b.	Frame, Wood, Exterior	R=13.0, 1632.0 ft²	b.	N/A	
c.	N/A				
d.	N/A		c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
e.	N/A				
10.	Ceiling types		15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, RB-Attic radiant barrier, MZ-C-Multizone cooling, MZ-H-Multizone heating)	CF,
a.	Under Attic	R=30.0, 1709.0 ft²			
b.	N/A				
c.	N/A				
11.	Ducts				
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 150.0 ft			
b.	N/A				

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

Builder Signature: _____ 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 850/488-7824.*

STATE OF FLORIDA
DEPARTMENT OF HEALTH

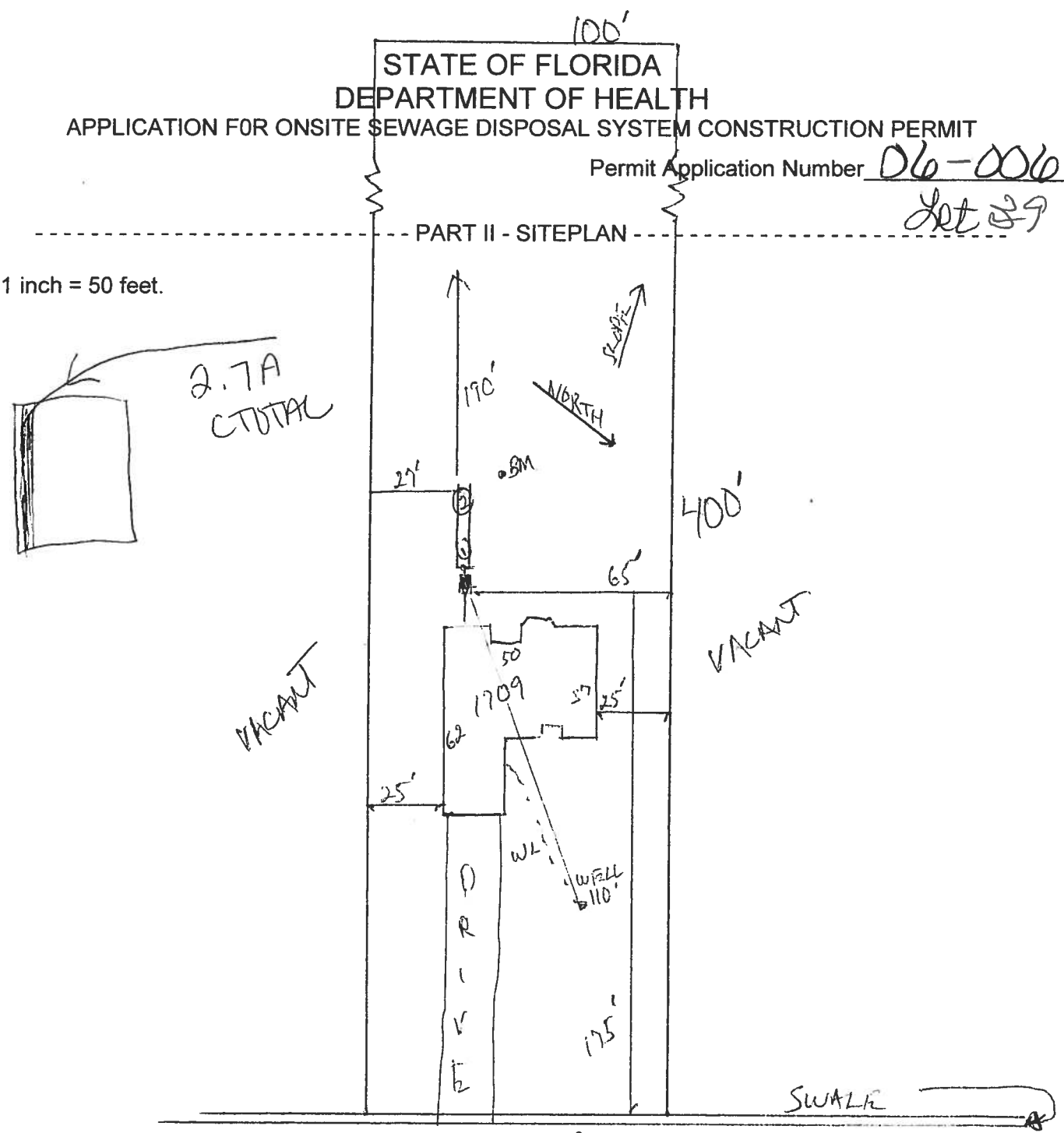
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-00641

Lot 39

PART II - SITEPLAN

Scale: 1 inch = 50 feet.



Notes: _____

Site Plan submitted by: Rocky Dodd — MASTER CONTRACTOR

Plan Approved X — Not Approved _____ — Date 1-26-06

By Sallie Gladdy · ESI Columbia — County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001004

DATE 03/14/2006 PARCEL ID # 25-6S-15-01263-039

APPLICANT HUGO ESCALANTE PHONE 386.288.8666

ADDRESS POB 280 FT. WHITE FL 32038

OWNER GIT PROPERTIES & A&I LAND CORP. PHONE 305.305.5896

ADDRESS 1534 SW NEWARK DRIVE FT. WHITE FL 32038

CONTRACTOR HUGO ESCALANTE PHONE 386.288.8666

LOCATION OF PROPERTY 47-S TO US 27,TR TO ICHETUCKNEE BLVD.,TL TO UTAH PARKWAY,TL TO NEWARK,TR GO 3 MILES, LOT 39 IS ON THE R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT 3 RIVERS ESTATES 39 29

SIGNATURE Hugo Escalante

INSTALLATION REQUIREMENTS

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

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

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

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

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

Amount Paid 25.00

33

Permit # 24283

39

Prepared By & Return To:
Mickie Salter
Home Town Title of North Florida
2744 W US 90
Lake City, FL 32055

NOTICE OF COMMENCEMENT

Tax Folio No. R1264-000
Permit No. _____
State of Florida
County of Columbia

Inst:2006004313 Date:02/22/2006 Time:13:23
DC,P.DeWitt Cason,Columbia County B:1074 P:2460

To whom it may concern:

The undersigned hereby gives notice that improvements 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.

Description of real property to be improved (legal description and address if available)

Lot 41, of Three Rivers Estates according to the Plat thereof, recorded in Plat Book 6, Page 14, of the Public Records of Columbia County, Florida.

General description of improvements Speculative Construction Single Family Residence

Owner Information: A & I Land Corp., Inc., a Florida corporation
1430 SW 150th Avenue, Miami, Florida 33194

Owner's interest in the site of the improvements (if other than fee simple title holder): Fee Simple

Name of fee simple title holder (if other than owner): N/A

Contractor: EWPL, INC.
P. O. BOX 280, FT WHITE, FL 32038

Surety on any payment bond: N/A

Name of any lender making a loan for the construction of the improvements:
Mercantile Bank (Name)
7515 W. University Avenue, Tower Road, Gainesville, FL 32607 (Address)

Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7, Florida Statutes:
_____ (Name)
_____ (Address)
( ) _____ (Phone) ( ) _____ (Fax)

In addition to himself, owner designates the following person to receive a copy of the lienor's notice as provided in Section 713.13(1)(b), Florida Statutes:
Construction Loan Administration Millennium Bank (Name)
9715 Gate Parkway North, Jacksonville, Florida 32246 (Address)
(888) 252-6196 (Phone) (888) 430-7089 (Fax)

This Notice of Commencement shall Expire One Year from the day of recording.

A & I Land Corp., Inc., a Florida corporation

By: _____ (CORPORATE SEAL)
ALEXANDER A. NAPOLES, DIRECTOR

By: _____
ILEANA G. NAPOLES

STATE OF FLORIDA:
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 26th day of January, 2006, by Alexander A. Napoles and Ileana G. Napoles, as , Directors of A & I Land Corp., Inc., a Florida corporation, who (X) is personally known to me or who ( ) presented _____ as identification, who executed the above instrument for and on behalf of the corporation.

NORMA GARCIA
MY COMMISSION #DD371454
EXPIRES: NOV 14, 2006
Bonded Thru Atlantic Bonding Co., Inc.

_____
Notary Public Signature
My Commission Expires: 11/14/2006

Donald F. Lee & Associates, Inc.
Surveyors & Engineers

140 NW Ridgewood Avenue
Lake City, Florida 32055
(386) 755-6166
Fax (386) 755-6167
donald@dlfa.com

Permit # 24233

Tuesday, May 30, 2006

TO: Columbia County Building & Zoning Department

FROM: Tim Delbene, PLS - Donald F. Lee & Associates, Inc.

RE: Lot 39, Three Rivers Estates Unit 20 – Floor Elevation Check

CC: EWPL, Inc. (Hugo Escalante)

The Finished Floor (slab) Elevation was obtained for this dwelling under construction on the above referenced lot. The elevation measured was 35.02 feet MSL. This measurement is taken on local benchmarks and based on 1929NGVD. Other elevations obtained are as follows:

Garage Floor =	34.71
Porch Floor =	34.71
Highest Adjacent Grade =	32.7
Lowest Adjacent Grade =	32.4

SIGNED: Timothy A Delbene

Timothy A. Delbene, P.L.S.

DATE: 5/31/2006

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 25-6S-15-01263-039 **Building permit No.** 000024233

Use Classification SFD/UTILITY **Fire:** 50.22

Permit Holder HUGO ESCALANTE **Waste:** 150.75

Owner of Building GIT PROPERTIES & A&I LAND CORP.INC. **Total:** 200.97

Location: 1534 NEWARK DRIVE, FT. WHITE, FL

Date: 01/26/2007

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Notice of Treatment 12144

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)
Address: 1BAYAVE
City Lake City Phone 752 1703

Site Location: Subdivision Three River Estates
Lot # 39 Block# _____ Permit # 24233
Address 1534 SW Navarre DR

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☑ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☑ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling	2483	744	4
			1

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

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

9/14/06 Date | 1145 Time | FRED FUNNY Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

From:	The Columbia County Building Department Plans Review 135 NE Hernando Av. P. O Box 1529 Lake City Florida, 32056-1529

Reference to: Build permit application Number: 0602-28

Hugo Escalante Owner GIT Properties Lot 39 Unit 20 of Three Rivers Estates

On the date of February 13, 2006 application 0602-28 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0602-28 when making reference to this application.

1. Please provide for compliance with the FRC-2004 section R322.1.1

All new single-family houses, duplexes, triplexes, condominiums and townhouses shall provide at least one bathroom, located with maximum possible privacy, where bathrooms are provided on habitable grade levels, with a door that has a 29-inch (737 mm) clear opening. However, if only a toilet room is provided at grade level, such toilet rooms shall have a clear opening of not less than 29 inches (737 mm).

2. The Florida Energy Efficiency Code for Building Construction (Form 600-A 2001) Line six states the total condition floor area to be 1718 SQ. Ft. The dwelling plans show the total condition floor to be 1709 SQ. Ft. Please correct the Florida Energy Efficiency

Code for Building Construction (Form 600-A 200) to correspond with the structural plans.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

Residential System Sizing Calculation

Summary

GTI PROPERTIES

Fort White, FL

Project Title:
MADISON - Lot 39 Three Rivers

Code Only
Professional Version
Climate: North

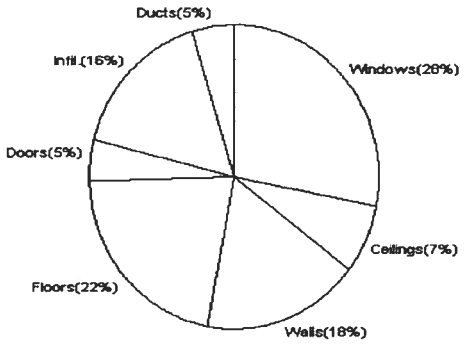
3/1/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	18	F
Total heating load calculation	**30651**	**Btuh**	**Total cooling load calculation**	**29376**	**Btuh**
Submitted heating capacity	36000	Btuh	Submitted cooling capacity	36000	Btuh
Submitted as % of calculated	117.5	%	Submitted as % of calculated	122.5	%

WINTER CALCULATIONS

Winter Heating Load (for 1709 sqft)

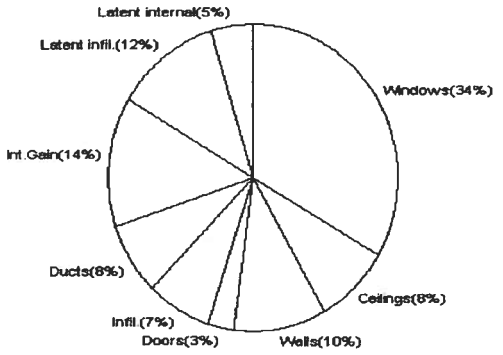
Load component			Load	
Window total	307	sqft	8688	Btuh
Wall total	1830	sqft	5376	Btuh
Door total	88	sqft	1404	Btuh
Ceiling total	1709	sqft	2222	Btuh
Floor total	209	ft	6604	Btuh
Infiltration	114	cfm	4898	Btuh
Subtotal			**29192**	**Btuh**
Duct loss			1460	Btuh
TOTAL HEAT LOSS			**30651**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1709 sqft)

Load component			Load	
Window total	307	sqft	9873	Btuh
Wall total	1830	sqft	3046	Btuh
Door total	88	sqft	878	Btuh
Ceiling total	1709	sqft	2427	Btuh
Floor total			0	Btuh
Infiltration	100	cfm	1978	Btuh
Internal gain			4100	Btuh
Subtotal(sensible)			**22302**	**Btuh**
Duct gain			2230	Btuh
Total sensible gain			**24532**	**Btuh**
Latent gain(infiltration)			3464	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**4844**	**Btuh**
TOTAL HEAT GAIN			**29376**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: 3-1-06

Manual J Winter Calculations

Residential Load - Component Details (continued)

GTI PROPERTIES

Fort White, FL

Project Title:
MADISON - Lot 39 Three Rivers

Code Only
Professional Version
Climate: North

3/1/2006

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)

System Sizing Calculations - Winter

Residential Load - Component Details

GTI PROPERTIES
Fort White, FL

Project Title:
MADISON - Lot 39 Three Rivers

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

3/1/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	53.7	28.3	1519 Btuh
2	2, Clear, Metal, DEF	N	13.3	28.3	377 Btuh
3	2, Clear, Metal, DEF	N	9.0	28.3	255 Btuh
4	2, Clear, Metal, DEF	N	30.0	28.3	849 Btuh
5	2, Clear, Metal, DEF	W	16.0	28.3	453 Btuh
6	2, Clear, Metal, DEF	E	4.0	28.3	113 Btuh
7	2, Clear, Metal, DEF	S	60.0	28.3	1698 Btuh
8	2, Clear, Metal, DEF	S	24.0	28.3	679 Btuh
9	2, Clear, Metal, DEF	W	20.0	28.3	566 Btuh
10	2, Clear, Metal, DEF	SW	21.0	28.3	594 Btuh
11	2, Clear, Metal, DEF	SE	21.0	28.3	594 Btuh
12	2, Clear, Metal, DEF	S	35.0	28.3	990 Btuh
	Window Total		307		8688 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Adjacent	13.0	198	1.6	317 Btuh
2	Frame - Exterior	13.0	1632	3.1	5059 Btuh
	Wall Total		1830		5376 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		20	17.9	359 Btuh
2	Wood - Exter		48	17.9	861 Btuh
3	Wood - Adjac		20	9.2	184 Btuh
	Door Total		88		1404Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1709	1.3	2222 Btuh
	Ceiling Total		1709		2222Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	209.0 ft(p)	31.6	6604 Btuh
	Floor Total		209		6604 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	17090(sqft)	114	4898 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			114	4898 Btuh

Totals for Heating	**Subtotal**	**29192 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1460 Btuh**
	Total Btuh Loss	**30651 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

GTI PROPERTIES

Fort White, FL

Project Title:
MADISON - Lot 39 Three Rivers

Code Only
Professional Version
Climate: North

3/1/2006

Totals for Cooling	**Subtotal**	**22302**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**2230**	**Btuh**
	Total sensible gain	**24532**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**3464**	**Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**29376**	**Btuh**

Key: Window types (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/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

System Sizing Calculations - Summer

Residential Load - Component Details

GTI PROPERTIES

Fort White, FL

Project Title:
MADISON - Lot 39 Three Rivers

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F 3/1/2006

Window	Type		Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, N, N	N	1.5	9	53.7	0.0	53.7	22	22	1181	Btuh
2	2, Clear, DEF, N, N	N	5	10	13.3	0.0	13.3	22	22	293	Btuh
3	2, Clear, DEF, N, N	N	5	4	9.0	0.0	9.0	22	22	198	Btuh
4	2, Clear, DEF, N, N	N	1.5	6	30.0	0.0	30.0	22	22	660	Btuh
5	2, Clear, DEF, N, N	W	1.5	5	16.0	1.0	15.0	22	72	1103	Btuh
6	2, Clear, DEF, N, N	E	1.5	1.5	4.0	3.0	1.0	22	72	139	Btuh
7	2, Clear, DEF, N, N	S	1.5	6	60.0	30.0	30.0	22	37	1770	Btuh
8	2, Clear, DEF, N, N	S	8	10	24.0	24.0	0.0	22	37	528	Btuh
9	2, Clear, DEF, N, N	W	1.5	6	20.0	0.5	19.5	22	72	1416	Btuh
10	2, Clear, DEF, N, N	SW	1.5	7.5	21.0	6.1	14.9	22	62	1059	Btuh
11	2, Clear, DEF, N, N	SE	3	7.5	21.0	13.6	7.4	22	62	756	Btuh
12	2, Clear, DEF, N, N	S	1.5	7.5	35.0	35.0	0.0	22	37	770	Btuh
	Window Total				307					9873	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Adjacent	13.0	198.0	1.0	206	Btuh
2	Frame - Exterior	13.0	1632.0	1.7	2840	Btuh
	Wall Total		1830.0		3046	Btuh

Doors	Type	Area	HTM	Load	
1	Wood - Exter	20.0	10.0	200	Btuh
2	Wood - Exter	48.0	10.0	479	Btuh
3	Wood - Adjac	20.0	10.0	200	Btuh
	Door Total	88.0		878	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	1709.0	1.4	2427	Btuh
	Ceiling Total		1709.0		2427	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	209.0 ft(p)	0.0	0	Btuh
	Floor Total		209.0		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.35	17090	99.9	1978	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			100	1978	Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load	
		6	X	300	+	2300	4100	Btuh

Lot 39 BRE

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	
☑	☐	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.
☑	☐	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☐	☐	**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.
☑	☐	**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 b used for the design of exterior component and cladding materials not specifically designed by the registered design professional
☑	☐	**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

Floor Plan including:

- ☑ ☐ a) Rooms labeled and dimensioned
- ☑ ☐ b) Shear walls
- ☑ ☐ c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- ☑ ☐ d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- ☑ ☐ e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- ☑ ☐ f) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

- ☑ ☐ a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- ☑ ☐ b) All posts and/or column footing including size and reinforcing
- ☑ ☐ c) Any special support required by soil analysis such as piling
- ☑ ☐ d) Location of any vertical steel

Roof System:

- ☑ ☐ a) Truss package including:
  1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
  2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- ☑ ☐ b) Conventional Framing Layout including:
  1. Rafter size, species and spacing
  2. Attachment to wall and uplift
  3. Ridge beam sized and valley framing and support details
  4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- ☐ ☐ a) Masonry wall
  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 bracir details
  5. All required connectors with uplift rating and required number and size of fastener 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 (termicide or alternative method)
  10. Slab on grade
      a. Vapor retardant (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)

b) Wood frame wall

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 (termicide or alternative method)
11. Slab on grade
    a. Vapor retardant (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)

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
b) Floor joist size and spacing
c) Girder size and spacing
d) Attachment of joist to girder
e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
b) Ceiling fans
c) Smoke detectors
d) Service panel and sub-panel size and location(s)
e) Meter location with type of service entrance (overhead or underground)
f) Appliances and HVAC equipment
g) Arc Fault Circuits (AFCI) in bedrooms

HVAC Information

a) Manual J sizing equipment or equivalent computation
b) Exhaust fans in bathroom

Energy Calculations (dimensions shall match plans)

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

Disclosure Statement for Owner Builders

***Notice Of Commencement Required Before Any Inspections Will Be Done**

Private Potable Water

a) Size of pump motor
b) Size of pressure tank
c) Cycle stop valve if used

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 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 **(Toilet facilities shall be provided for construction workers)**

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. (386) 497-2321

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 locate within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements 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 **$50.00**

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.

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) 752-8787

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

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:

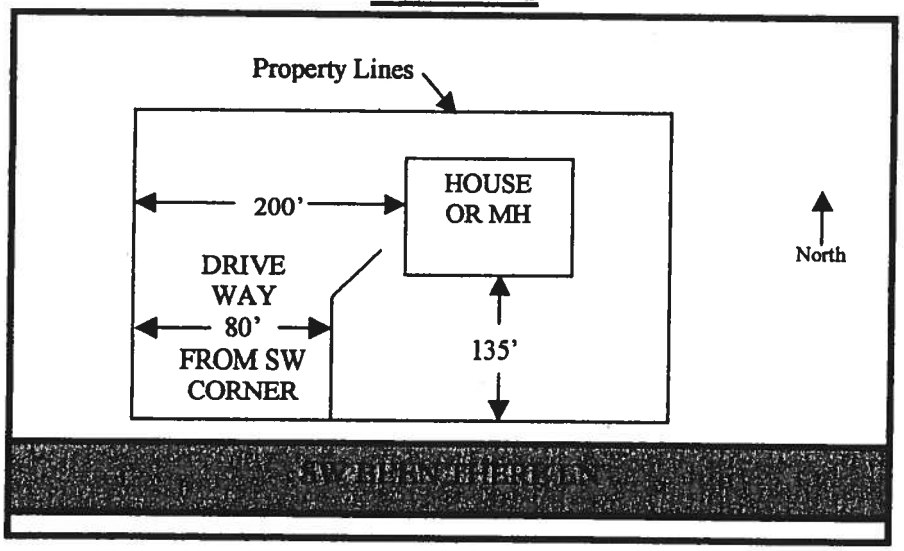
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123) FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
   a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
   b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
   c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



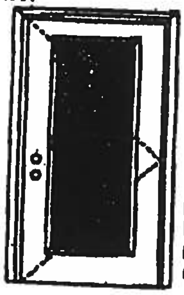
NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.

X
Glazed Inswing Unit

COP-WL-EN4141-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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

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

Design Pressure
+50.5/-50.5
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-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; 130, 135 Series; 1[illegible] Series; 6[illegible] Series; 8[illegible] Series

1/2 GLASS:

105 Series*; 108, 160 Series*; 120 Series*; 300 Series*; 12 R/L, 20 R/L, 24 R/L Series*; 107 Series*; 106 Series; 204 Series

*This glass kit may also be used in the following door styles: 6-panel; 6-panel with scroll; Eyebrow 6-panel; Eyebrow 6-panel with scroll.

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

PREMDOR Collection Premium Quality Doors
Exclusively from Masonite
Masonite International Corporation

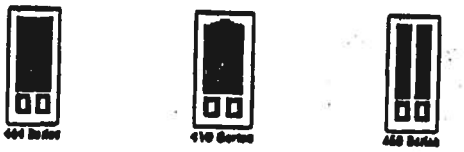
X
Glazed Inswing Unit

COP-WI-FD4141-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



FULL GLASS:

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 28-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top and rails constructed of 0.032" steel. Bottom end rails constructed of 0.032" 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 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 Balthazor

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

Entergy
Entry Systems

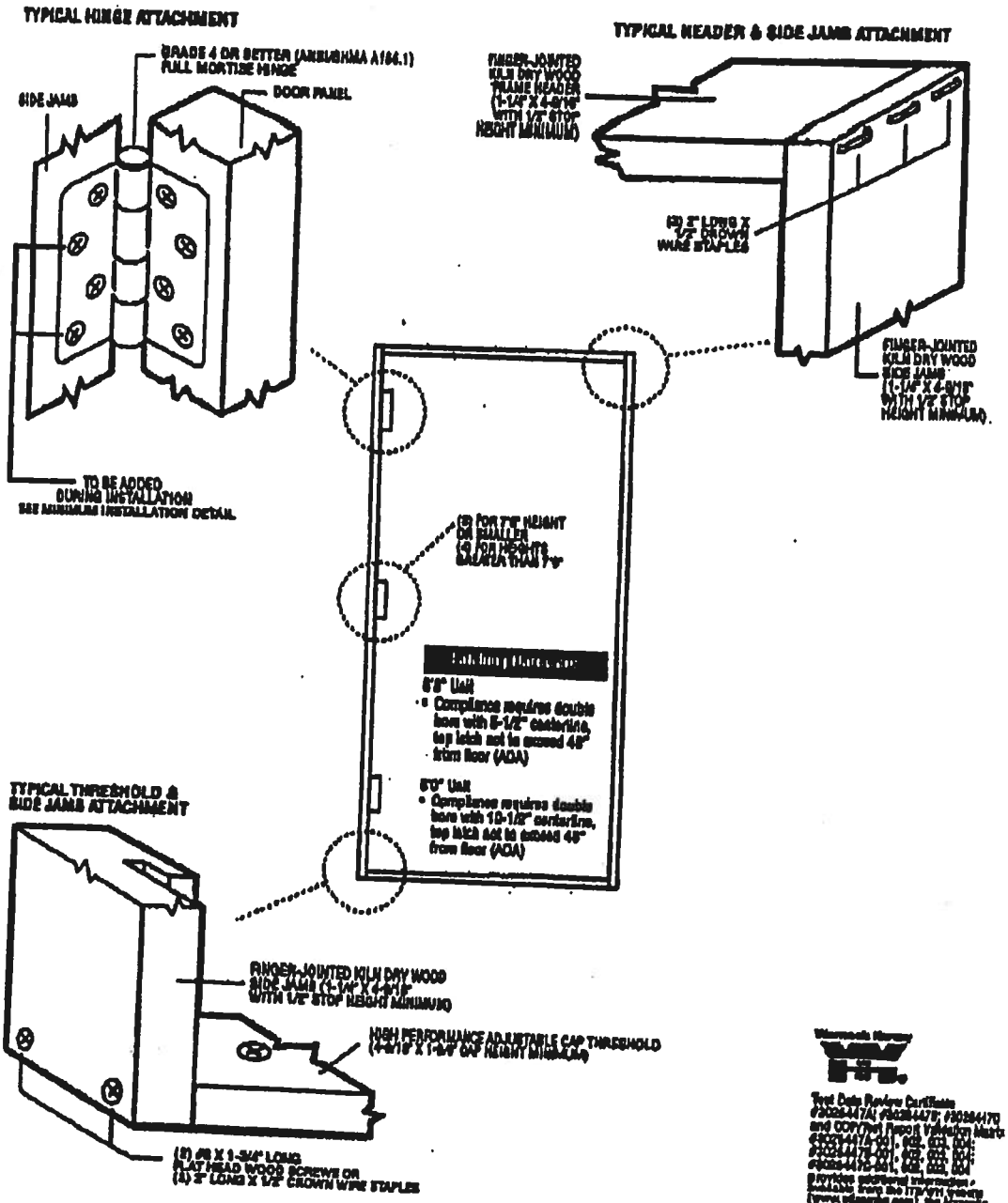
June 17, 2002

Masonite International Corporation

X
Unit

MAD-WI-MA0001-02

INSWING UNIT WITH SINGLE DOOR



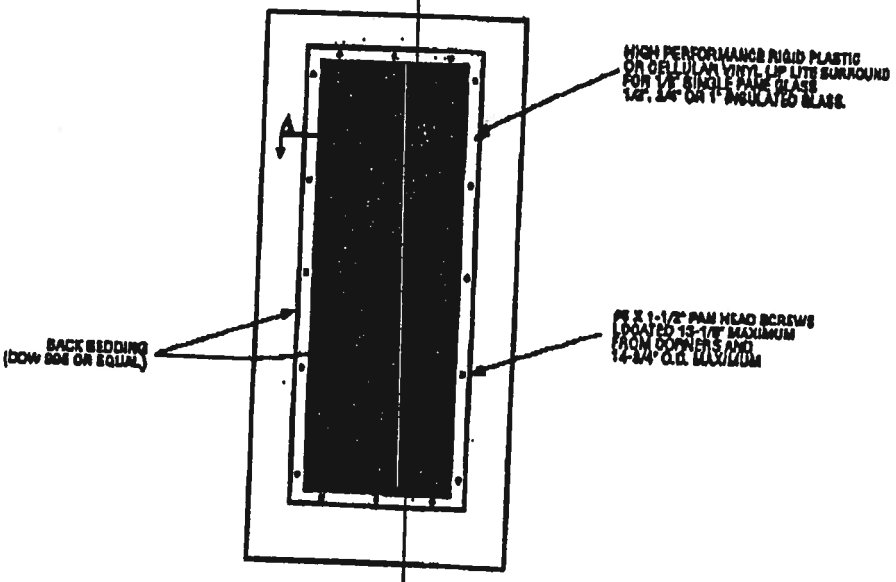
Test Data Review Certificate

October 14, 2003

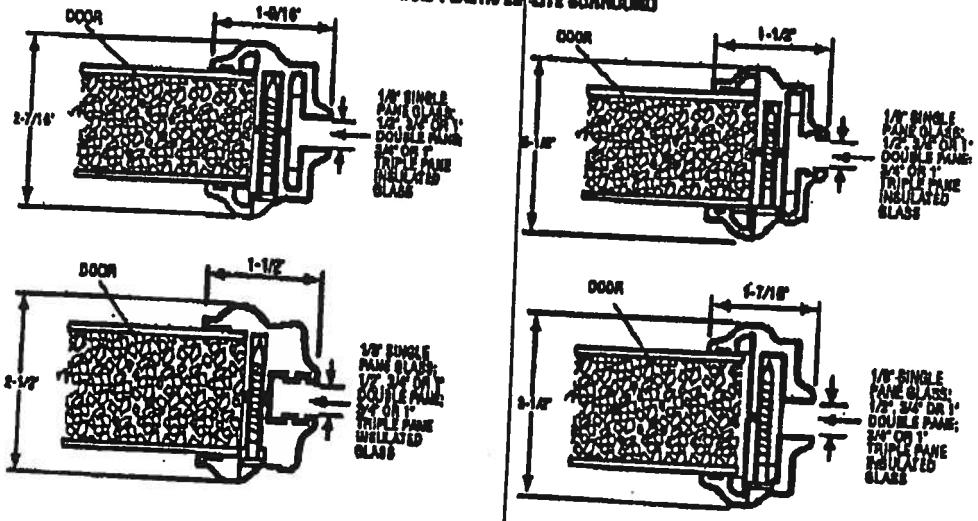
Masonite

MAD-WL-MA0041-02

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



*Glass inserts to be sub-listed by Intertek Testing Services/ETL Semko or approved validation service.

Warnock Hersey / ETL — Test Data Review Certificate #3025447A; #3025447B; #3025447C and CDF/Test Report numbers #3025447A-001, 002, 003; #3025447B-001, 002, 003; #3025447C-001, 002, 003 provide additional information - available from the ITS/WH website (www.intertek.com) or the Masonite technical center.

D

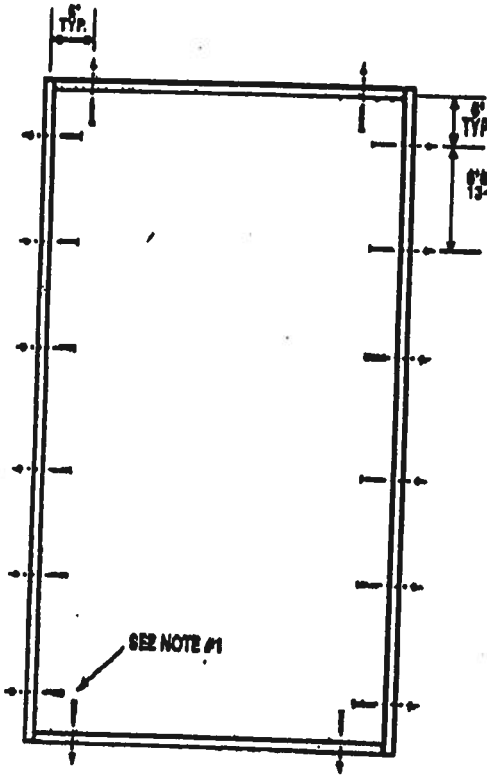
JUNE 17, 2002
Our continuing program of product improvement means specifications, designs and product detail subject to change without notice.

FREMDOR — Exclusively from Masonite® Masonite International Corporation

X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Minimum Fastener Count:

- 6 per vertical framing member
- 2 per horizontal framing member

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

Rough Opening (RO):

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey — Test Data Review Certificate #30284478; #30284478; #30284478 and COP/Test Report Validation Matrix #30284478-001, 002, 003, 004; #30284478-001, 002, 003, 004 provides additional information - available from the ITW/WH website (www.etiworks.com), the Masonite website (www.masonite.com) or the Masonite technical desk.

Latching Hardware:

- Compliance requires that GRADE 8 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 8248*, 8256*, 8241*, 8248, 8251* or 8256**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

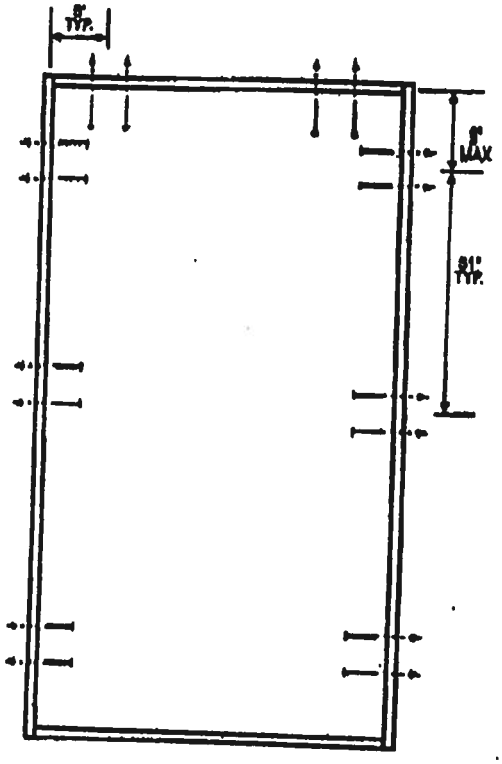
1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 2/16" Tapcons. Threshold fasteners analyzed for this unit include #8 and #10 wood screws, 2/16" Tapcons, or Liquid Nails Builders Choice 400 (or equal structural adhesive).
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 2/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

Masonite

X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Minimum Fastener Count

- 6 per vertical framing member for 7'0" height and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 4 per horizontal framing member

Hinge and strike plates require two 3-1/2" long screws per location.

Rough Opening (RO):

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey Test Data Review Certificate #3033447A; #3033447B; #3033447C and COP/Test Report Validation Matrix #3033447A-001, 002, 003, 004; #3033447B-001, 002, 003, 004; #3033447C-001, 002, 003, 004 provides additional information - available from the TECHNO website (www.technodoor.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 0248*, 3288*, 3241*, 3248, 3291* or 3298**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include 10d common nails. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The common nail single shear design values come from ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment of 1-1/4".
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

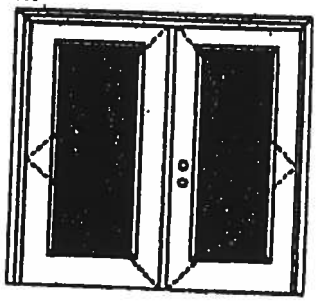
Masonite

XX
Glazed Outswing Unit

COP-WL-FN4162-02

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 6'8".

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

Design Pressure
+50.5/-50.5
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:

1/2 GLASS:

*This glass kit may also be used in the following door styles: 6-panel, 6-panel with small fanlight, 6-panel fanlight, 6-panel with sidelit.

Entergy
Entry Systems
June 17, 2003
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

Exclusively from Masonite®
Masonite International Corporation

XX

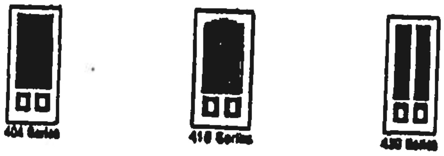
Glazed Outswing Unit

COP-WI-FN4162-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series · 418 Series · 430 Series

FULL GLASS:

100 Series · 114, 120, 122 Series · 1[illegible] Series · 140 Series · 300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 24-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.032" steel. Bottom end rails constructed of 0.032" 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).

Kurt L Balthazor

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

Test Data Review Certificate #[illegible] and COP/Test Report Validation Matrix [illegible] provides additional information • available from the [illegible] website ([illegible]), the Masonite website ([illegible]) or the Masonite technical center.

Entergy
Entry Systems

June 17, 2002
[illegible]

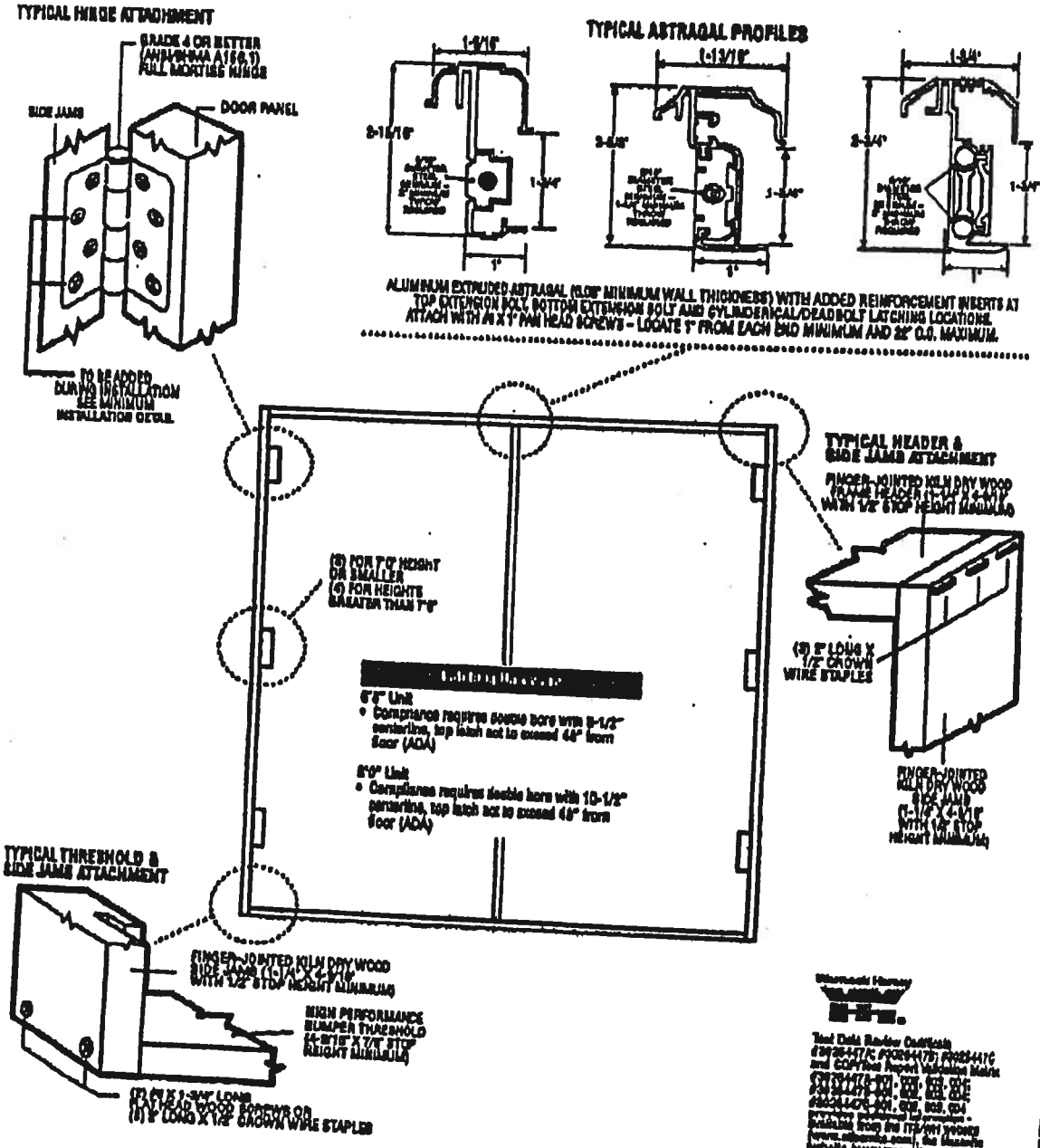
PREMDOR [illegible]

Sold exclusively from Masonite®
Masonite International Corporation

XX
Unit

MAD WL-MA0012-02

OUTSWING UNITS WITH DOUBLE DOOR

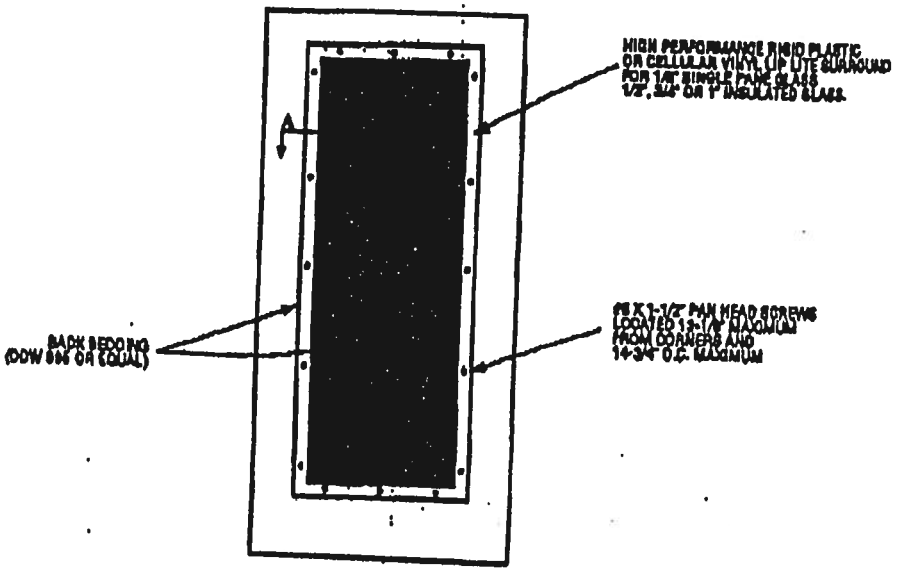


October 14, 2003
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

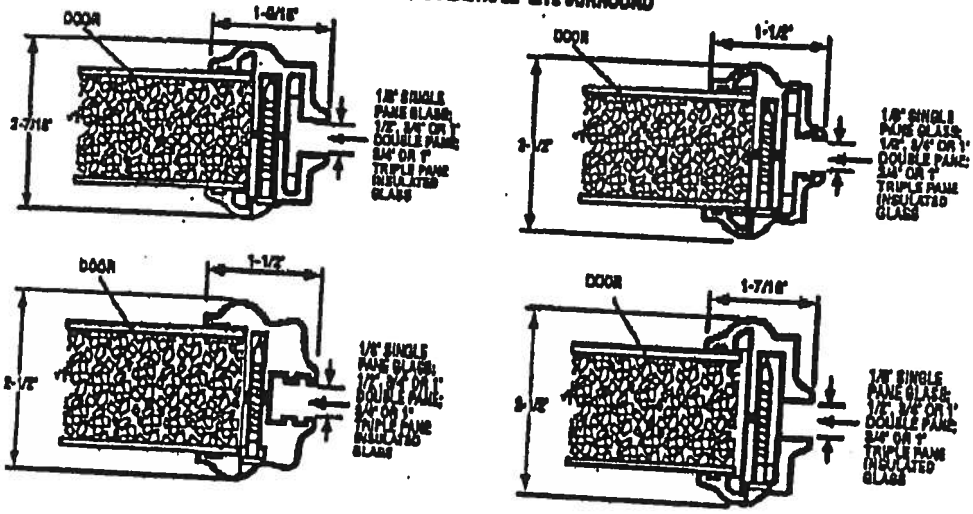
Masonite

MAD-WI-MA0041-02

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND



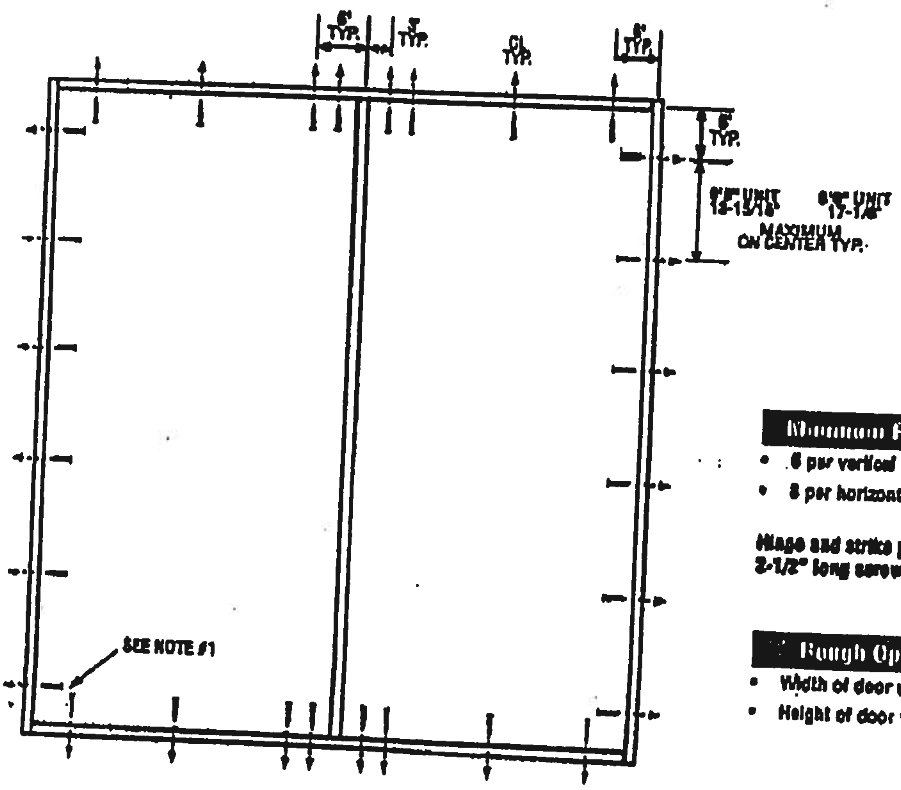
*Glass inserts to be sub-listed by Intertek Testing Services/ETL Semko or approved validation service.

Test Data Review Certificate #3028447A; #3028447B; #3028447C and EDP/Test Report Validation Letters #3028447A-901, 002, 003; #3028447B-901, 002, 003; #3028447C-901, 002, 003 provide additional information - available from the IT-LAVU website (www.masonite.com) or the Masonite technical center.

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.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4".

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website [illegible] or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- UNITS COVERED BY COP DOCUMENT 8247*, 8257*, 3242*, 3247, 3252* or 3257
  Compliance requires that 6" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons. Threshold fasteners analyzed for this unit include #8 and #10 wood screws, 3/16" Tapcons, or Liquid Nails Builders Choice 490 (or equal structural adhesive).
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 Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

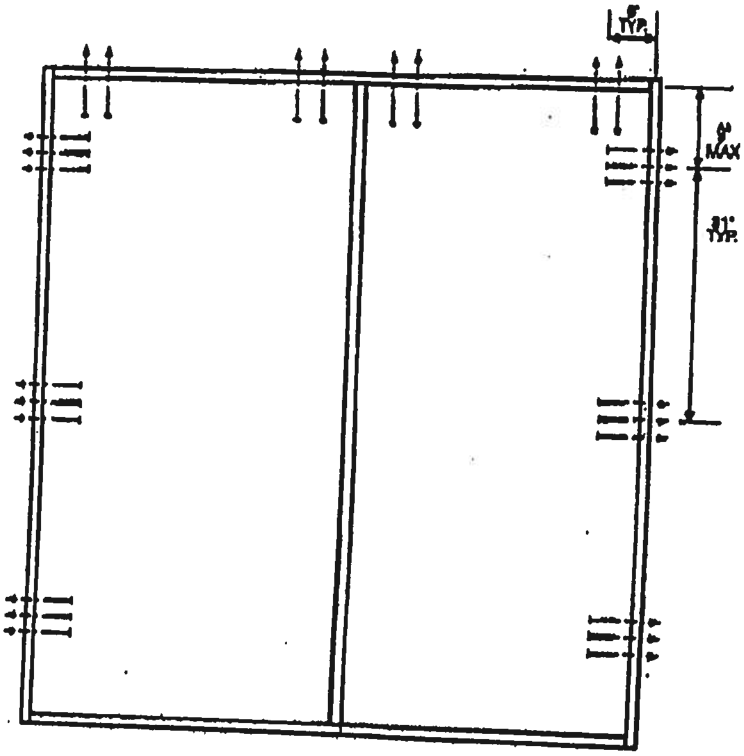
March 14, 2003
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

Masonite

XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member for 7'0" heights and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 8 per horizontal framing member

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

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/AAI website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- UNITS COVERED BY COP DOCUMENT 0247*, 0257*, 3242*, 3247, 3252* or 3257
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 wood screws and 10d common nails. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw and common nail single shear design values come from ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment of 1-1/4".
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 10, 2003
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

Masonite

MI Home Products, Inc.
650 West Market St.
P.O. Box 370
Gratz, PA 17030-0370

(717) 365-3300
(717) 362-7025 Fax

740/744 Single Hung (Fin & Flange)
165 Single Hung (Fin & Flange)
BB165/740/744 Fixed (Fin & Flange)

- Test Reports
  - 165 Single Hung
    - #CTLA-787W (Fin)
    - #CTLA-787W-1 (Flange)
  - 740/744 Single Hung
    - #01-40351.03 (Fin)
    - #01-40351.04 (Flange)
  - 165/740/744 Fixed
    - #NCTL-310-0005-2.1 (Fin)
    - # NCTL-310-0005-5.1 (Flange)
    - #01-40486.03 (2-Panel Fixed)
- Installation Instructions
- Sample 110/120/140 MPH Labels

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

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 740/744
TYPE: Aluminum Single Hung Window with Nail Fin

Title of Test	Results
Rating	H R45 52 x 72
Overall Design Pressure	45 psf
Operating Force	24 lb max.
Air Infiltration	0.10 cfm/ft^2
Water Resistance	6.75 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-40351.03 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess

Mark A. Hess, Technician

MAH:baw

Allen N. Reeves
15 February 2002

ALLEN N. REEVES
CERTIFICATE
NO. 19357
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

THIS FENESTRATION PRODUCT COMPLIES* WITH THE

NEW FLORIDA BUILDING CODE

FOR RESIDENTIAL BUILDINGS WITH A MEAN ROOF HEIGHT OF 30 FT. OR LESS, *EXPOSURE "B"* (WHICH IS INLAND OF A LINE THAT IS 1500 FT. FROM THE COAST), AND *WALL ZONE "5"* (INSTALLED NEAR THE CORNER OF THE BUILDING).

PER *ASTM E1300*, THE CORRECT GLASS THICKNESS, BASED ON THE *NEGATIVE* DESIGN PRESSURE (DP) LISTED BELOW, HAS BEEN INSTALLED IN THIS UNIT. THE GLASS THICKNESS IS BASED ON ITS' WIDTH, HEIGHT, AND ASPECT RATIO.

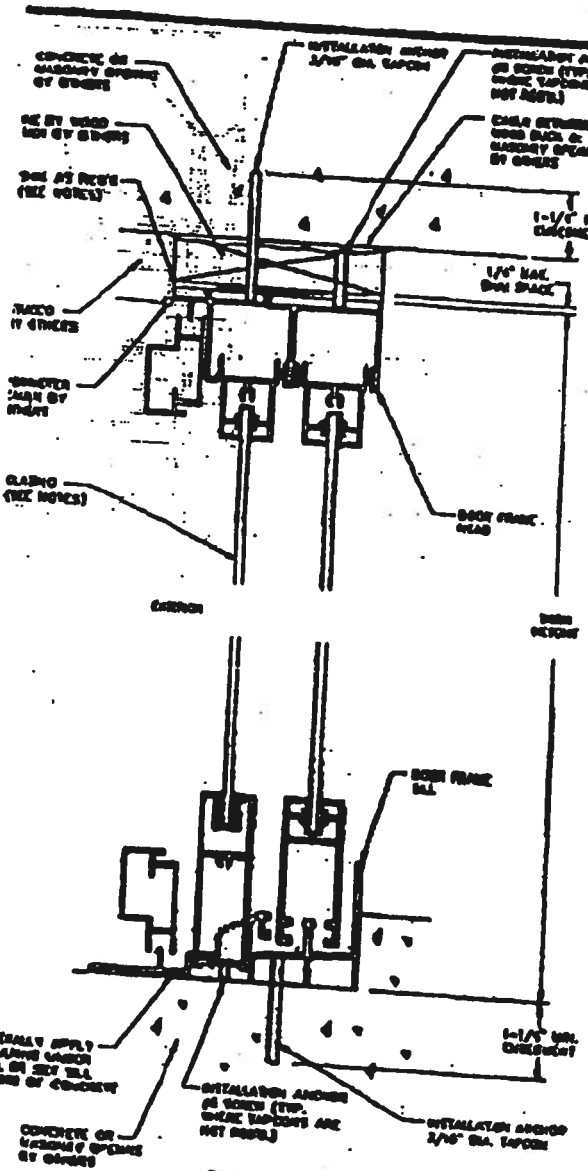
Series 470HP SLIDING GLASS DOOR – all 6'- 8" High Panels

- 2'- 6" WIDE DP + 40.0 / - 55.4
- 3'- 0" WIDE DP + 40.0 / - 48.5
- 4'- 0" WIDE DP + 40.0 / - 40.3

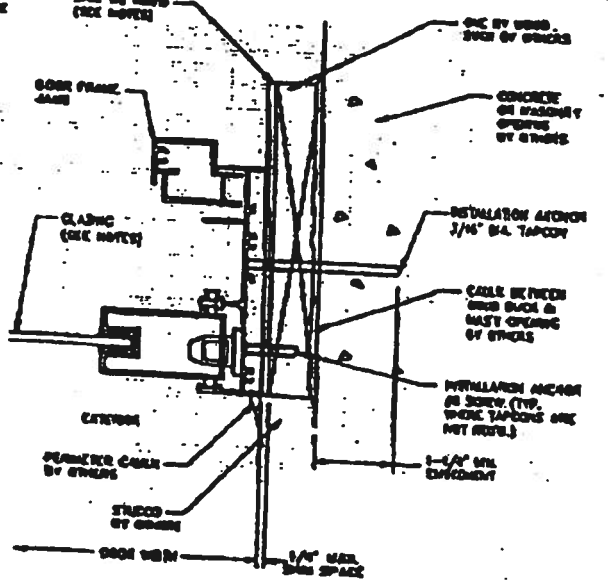
THIS PRODUCT MEETS THE REQUIREMENTS FOR STRUCTURAL LOADS, WATER AND AIR INFILTRATION PER ATTACHED *AAMA* PERFORMANCE LABEL. BE ADVISED THAT IF LOADS ARE PLACED UP TO OR EXCEEDING THE TESTED LEVELS, THIS PRODUCT MAY BE ALTERED IN SUCH A WAY THAT FUTURE PERFORMANCE WILL BE REDUCED.

* COMPLIANCE MUST INCLUDE INSTALLATION ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND FLORIDA CODE REQUIREMENTS.

MIP-686

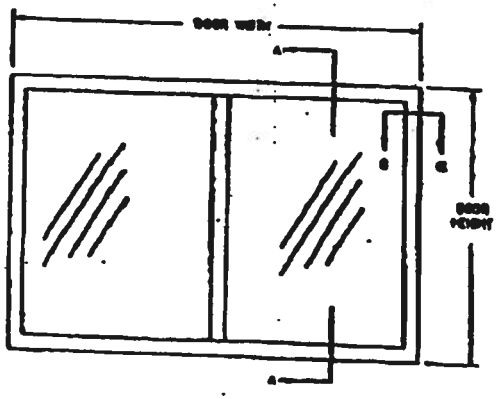


SECTION A-A



SECTION B-B

TAPCON INSTALLATION CHART					
CALL SIZE	DOOR SIZE				



EXTERIOR ELEVATION

MI HOME PRODUCTS GRATZ, PA.			
SERIES 470 SLIDING GLASS DOOR INSTALLATION WITH TAPCONS			
MANUEL MARTINEZ		98	1/29/02
CIVIL		N.T.S.	
47182			1 OF 1

TOTAL P.84

DOCUMENT CONTROL ADDENDUM #01-40351.00

Current Issue Date: 02/15/02

Report No.: 01-40351.01

Requested by: William Emley, MI Home Products, Inc.
Purpose: AAMA/NWWDA 101/I.S.2-97 testing of Series/Model 744 aluminum single hung window with flange.
Issued Date: 12/28/01
Comments: Florida P.E. seal required on report.
Certification copy to John Smith at Associated Laboratories, Inc.

Report No.: 01-40351.02

Requested by: William Emley, MI Home Products, Inc.
Purpose: Change of glass type.
Issued Date: 12/28/01
Comments: Florida P.E. seal required on report.
Certification copy to John Smith at Associated Laboratories.

Report No.: 01-40351.03

Requested by: William Emley, MI Home Products, Inc.
Purpose: AAMA/NWWDA 101/I.S.2-97 testing of Series/Model 740/744 aluminum single hung window with nail fin.
Issued Date: 02/15/02
Comments: Florida P.E. seal required on report.
Certification copy to John Smith at Associated Laboratories, Inc.

Allen N. Reeves
15 FEBRUARY 2002

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.1.8	Forced Entry Resistance per ASTM F 588-97		
	Type: A Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.4.1	Uniform Load Deflection per ASTM E 330 (Measurements reported were taken on the meting rail) (Loads were held for 52 seconds)		
	@ 45.0 psf (positive)	0.91"*	0.29" max.
	@ 45.0 psf (negative)	0.97"*	0.29" max.

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

4.4.2	Uniform Load Structural per ASTM E 330 (Measurements reported were taken on the meeting rail) (Loads held for 10 seconds)		
	@ 67.5 psf (positive)	0.14"	0.20" max.
	@ 67.5 psf (negative)	0.19"	0.20" max.
4.4.2	@ 70.8 psf (negative)	0.20"	0.20" max.

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:baw
01-40351.03

Allen N. Reeves, P.E.
Director - Engineering Services
15 FEBRUARY 2002

ALLEN N. REEVES
CERTIFICATE
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	24 lbs	30 lbs max.
2.1.2	Air Infiltration (ASTM E 283) @ 1.57 psf (25 mph)	0.10 cfm/ft^2	0.30 cfm/ft^2 max.

Note #1: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.

2.1.3	Water Resistance (ASTM E 547-96) (with and without screen) WTP = 6.75 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Measurements reported were taken on the meeting rail) (Loads were held for 52 seconds)		
	@ 15.0 psf (positive)	0.86"*	0.29" max.
	@ 15.0 psf (negative)	0.81"*	0.29" max.

*Note: * Exceeds L/175 for deflection, but meets all other test requirements.*

2.1.4.2	Uniform Load Structural per ASTM E 330 (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 22.5 psf (positive)	0.01"	0.20" max.
	@ 22.5 psf (negative)	<0.01"	0.20" max.
2.2.1.6.2	Deglazing Test per ASTM E 987		
	In operating direction at 70 lbs		
	Top rail	0.06"/12%	0.50"/100%
	Bottom rail	0.06"/12%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.03"/6%	0.50"/100%
	Right stile	0.03"/6%	0.50"/100%

Allen N. Reeves
15 FEBRUARY 2002

ALLEN N. REEVES
CERTIFICATE NO. 19354
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.330" high by 0.187" backed polypile with center fin	1 Row	Fixed meeting rail interlock
0.170" high by 0.187" backed polypile with center fin	1 Row	Fixed lite, stiles and top rail
3/8" diameter hollow bulb gasket	1 Row	Bottom rail
0.310" high by 0.187" backed polypile with center fin	1 Row	Active sash stiles
0.150" high by 0.187" wide polypile	1 Row	Active sash stiles

Frame Construction: All frame members were constructed of extruded aluminum with coped, butted and sealed corners fastened with two screws each. Fixed meeting rail was secured utilizing one screw in each end directly through exterior face into jamb. Silicone was utilized around exterior meeting rail/jamb joinery.

Sash Construction: All sash members were constructed of extruded aluminum with coped and butted corners fastened with one screw each.

Screen Construction: The screen frame was constructed from roll-formed aluminum members with plastic keyed corners. The screening consisted of a fiberglass mesh and was secured with a flexible vinyl spline.

Hardware:

Description	Quantity	Location
Plastic tilt latch	2	One each end of the interior Meeting rail
Metal sweep lock	2	13" from meeting rail ends
Balance assembly	2	One per jamb
Screen tension spring	2	One per end of screen stile
Tilt pin	2	One each end of bottom rail

Allen N. Reeves
15 FEBRUARY 2002

ALLEN N. REEVES
CERTIFICATE
NO. 19356
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Architectural Testing

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

Rendered to:

MI HOME PRODUCTS, INC.
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-40351.03
Test Dates: 10/22/01
And: 10/23/01
Report Date: 02/15/02
Expiration Date: 10/23/05

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness performance testing on a Series/Model 740/744, aluminum single hung window at MI Home Products, Inc.'s test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for a H-R45 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: 740/744

Type: Aluminum Single Hung Window With Nail Fin

Overall Size: 4' 4-1/8" wide by 5' 11-5/8" high

Active Sash Size: 4' 2-3/4" wide by 2' 11-5/8" high

Fixed Daylight Opening Size: 4' 1-1/8" wide by 2' 9" high

Screen Size: 4' 1-7/8" wide by 2' 11-5/16" high

Finish: All aluminum was polished.

Glazing Details: The active sash and fixed lite were glazed with one sheet of 1/8" thick clear tempered glass. Each sash was channel glazed using a flexible vinyl gasket.

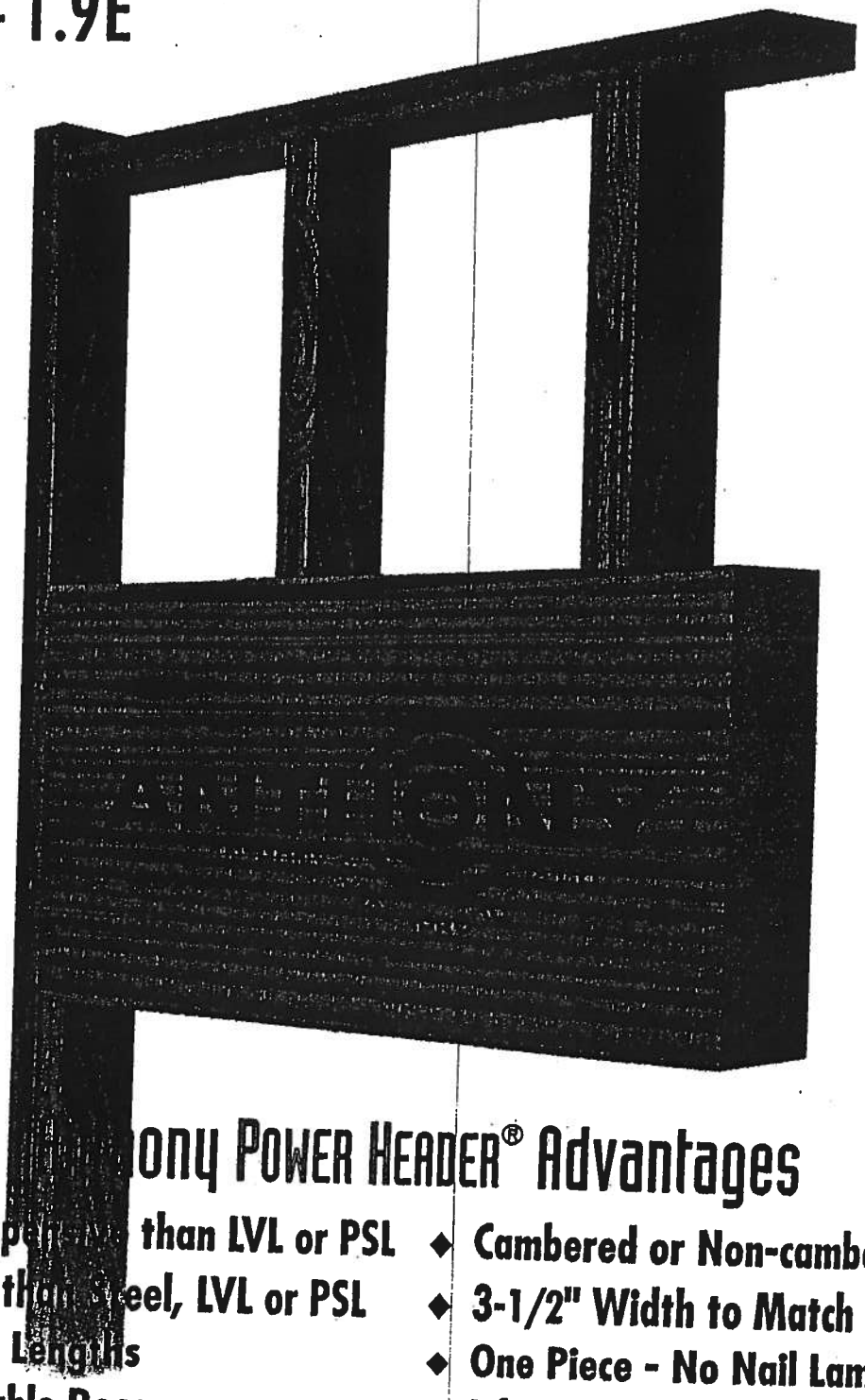
ALLEN M. REEVES
CERTIFICATE
NO. 19354
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Allen M. Reeves

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

Anthony POWER HEADER®

2600F_b - 1.9E



Anthony POWER HEADER® Advantages

- Less Expensive than LVL or PSL
- Lighter than Steel, LVL or PSL
- Pre-Cut Lengths
- Renewable Resource
- Cambered or Non-cambered
- 3-1/2" Width to Match Framing
- One Piece - No Nail Laminating
- Lifetime Warranty

Garage Header Sizing Tables

ANTHONY®
ANTHONY FOREST PRODUCTS CO.

Anthony Power Header®

$26F_b$ - 1.9E

3-1/2" WIDTH GARAGE HEADER APPLICATION - SINGLE STORY

HEADER SUPPORTING: 1/2 ROOF SPAN

9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"
8-3/8	11-1/4	12-5/8	8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	14	15-3/8	8-3/8	14	16-3/4
8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	12-5/8	15-3/8	8-3/8	14	15-3/8	8-3/8	15-3/8	
8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	12-5/8	15-3/8	8-3/8	14	15-3/8	8-3/8	14	16-3/4	9-3/4	15-3/8	
8-3/8	12-5/8	14	8-3/8	12-5/8	15-3/8	8-3/8	14	15-3/8	8-3/8	14	15-3/8	8-3/8	15-3/8		9-3/4		
8-3/8	12-5/8	14	8-3/8	14	15-3/8	8-3/8	14	15-3/8	8-3/8	15-3/8	16-3/4	9-3/4	15-3/8		9-3/4		
8-3/8	14	15-3/8	8-3/8	14	15-3/8	8-3/8	14	16-3/4	8-3/8	15-3/8		9-3/4			9-3/4		
8-3/8	14	15-3/8	8-3/8	14	16-3/4	8-3/8	15-3/8		9-3/4	15-3/8		9-3/4			9-3/4		
8-3/8	14	15-3/8	8-3/8	15-3/8		8-3/8	15-3/8		9-3/4			9-3/4			11-1/4		
8-3/8	14	16-3/4	8-3/8	15-3/8		9-3/4	15-3/8		9-3/4			9-3/4			11-1/4		

9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"
8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	12-5/8	14
8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	12-5/8	14	8-3/8	12-5/8	14
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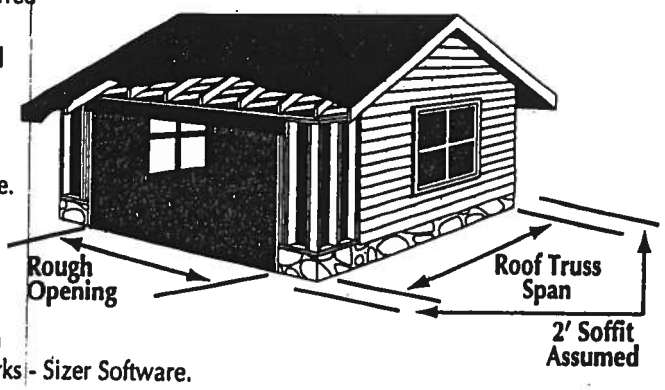
8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	14	15-3/8	8-3/8	14	15-3/8	8-3/8	15-3/8	

NOTES:

1. Table assumes a simple span header supporting a uniform load transferred from 1/2 the roof span plus a 2' soffit.
2. Roof live and dead loads shown are applied vertically to the horizontal projection. No reductions in roof live loads or snow loads were considered. The header weight is accounted for in the table.
3. Deflection is limited to L/240 for live load and L/180 for total load.
4. Headers are assumed to have continuous lateral support along top edge.
5. Bearing length based on full width bearing is indicated as follows:
   Non-shaded sizes require two trimmers (3" bearing).
   Shaded sizes require three trimmers (4.5" bearing).
   Shaded & outlined sizes require four trimmers (6" bearing).
6. ** Applications where load carrying capacity of 16-3/4" depth has been exceeded. See AFP $30F_b$ POWER BEAM® literature or AFP's WoodWorks - Sizer Software.



Anthony Power Header®

26F_b - 1.9E

3-1/2" WIDTH GARAGE HEADER PLF CAPACITY

844	896		1216		1573						
161	207	254	330	390	510	552	669	752	824		
114	145	180	231	277	359	391	510	534	653	707	789

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

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

NOTES:

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

GARAGE HEADER SIZING USING PLF TABLES:

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

Anthony Power Header®

$26F_b$ - 1.9E

ENGINEERED WOOD SECTION PROPERTIES AND LOAD CAPACITIES

ALLOWABLE DESIGN STRESSES (PSI):

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

	7.7	9.0	10.4	11.7	12.9	14.2	15.5
	326	514	789	1115	1521	2014	2604
	8865	12015	15996	20145	24772	29877	35460
	3908	4550	5250	5892	6533	7175	7817

NOTES:

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

GARAGE HEADER COMPARISONS

810 / 540	3-1/2" x 8-3/8"	3-1/2" x 9-5/8"	3-1/2" x 9"	3-1/2" x 9-1/4"	3-1/2" x 11-1/4"**
990 / 720	3-1/2" x 9-3/4"	3-1/2" x 9-5/8"	3-1/2" x 10-1/2"	3-1/2" x 9-1/4"	3-1/2" x 11-1/4"**
640 / 400	3-1/2" x 12-5/8"	3-1/2" x 13-3/4"	3-1/2" x 13-1/2"	3-1/2" x 14"	3-1/2" x 14"*
765 / 510	3-1/2" x 14"	3-1/2" x 15-1/8"	3-1/2" x 15"	3-1/2" x 14"	3-1/2" x 16"*
750 / 480	3-1/2" x 15-3/8"	3-1/2" x 16-1/2"	3-1/2" x 16-1/2"	3-1/2" x 16"	3-1/2" x 18"*
900 / 600	3-1/2" x 16-3/4"	3-1/2" x 17-7/8"	3-1/2" x 18"	3-1/2" x 16"	-----

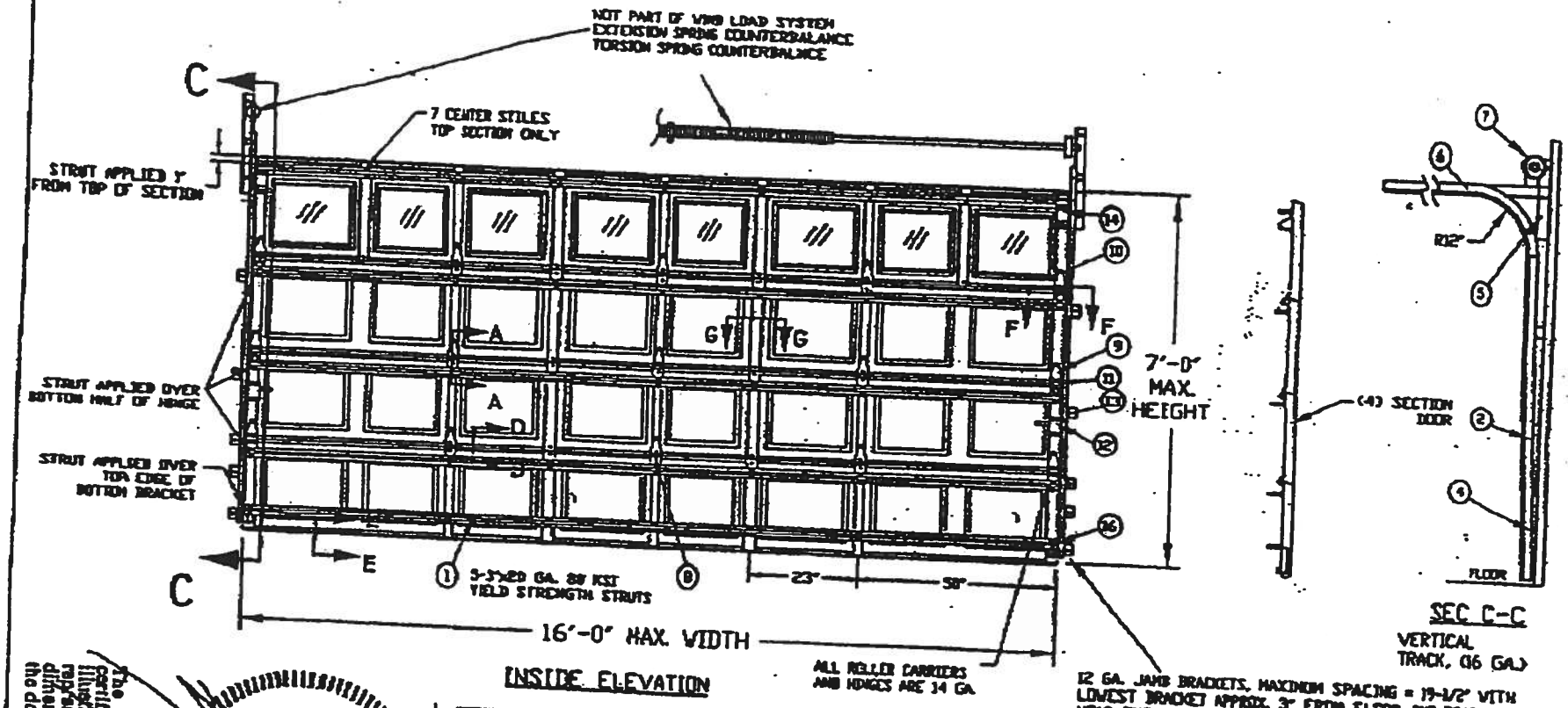
For more information on Power Header®, or other laminated structural products from Anthony Forest Products Company please call 1-800-221-2326 or FAX at 870-862-6502.

Distributed by:

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

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 21.00" 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 1/8" DSB GLASS OR EQUIVALENT OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MINIMUM LENGTH OF ROLLER STEM IS 5½" (7" AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOWN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF STEM LOCKS CAN BE 6,8, OR 12 AS TESTED.
9. DROP IN TYPE OF INSULATION IS OPTIONAL.

REV.	DATE	BY	DESCRIPTION
A-A	11-10-08	DW	SEE E.C.N. 631



INSIDE ELEVATION

SEC C-C
VERTICAL TRACK, 06 GA.

The seal on this drawing only certifies that the product(s) illustrated and described hereon meet the design criteria and installation(s) of the door as listed.

STATE OF FLORIDA PROFESSIONAL ENGINEER RAYMOND E. MEYVAN 8BAL PE No. 024280

LISTED SBCCI PST-A-185
REPORT No. 2202

TEST REPORTS ON FILE: VIDEO 10/19/08 402930

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

GADCO DOORS
SERIES 7488, EXTERIOR STEEL =.017 MIN (AS TESTED)
SERIES 7825, EXTERIOR STEEL =.019" MIN △
SERIES 7524, EXTERIOR STEEL =.024" MIN △
(TESTED WITH WINDOWS)

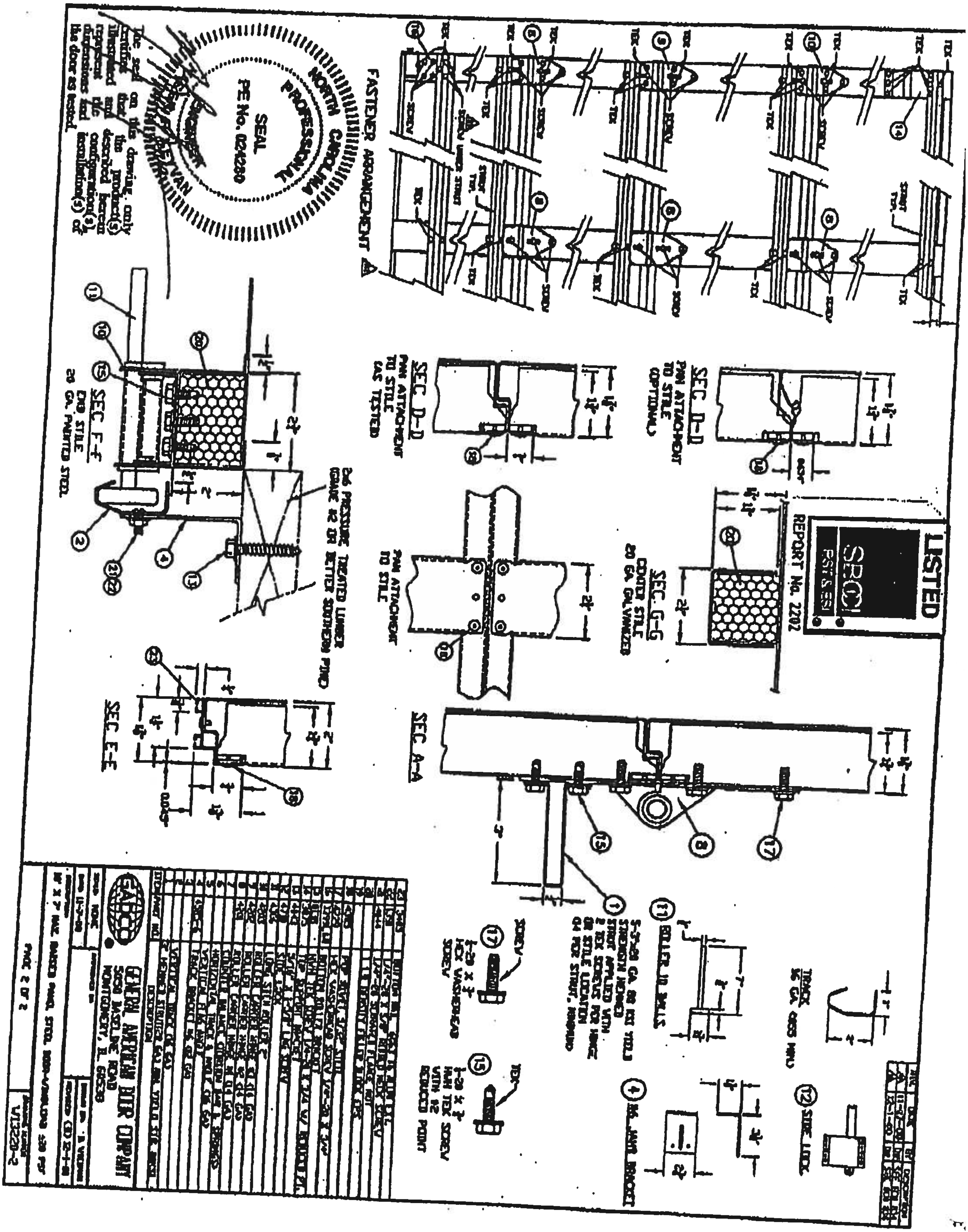
MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STRUTS 80 KSI SIZE	STRUTS 80 KSI QTY.	VERTICAL TRACK
16'	7'	23"	3"	5	2 IN.

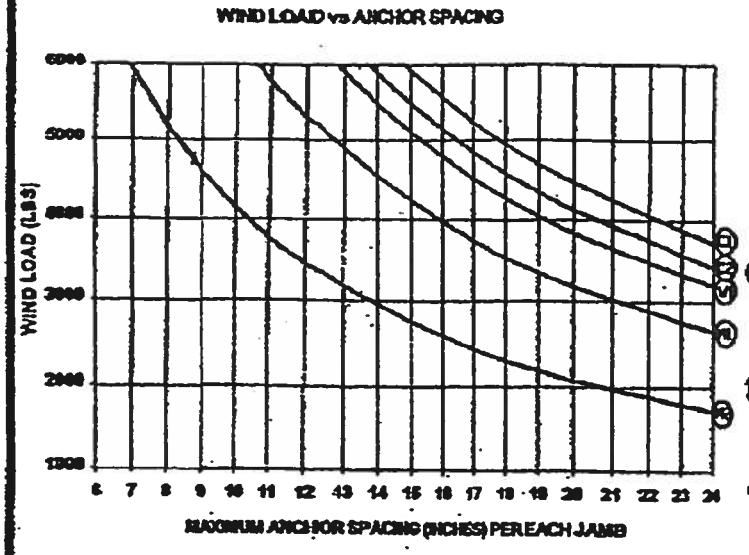
GENERAL AMERICAN DOOR COMPANY
5059 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE: NTS	APPROVED BY:	DRAWN BY: J. VREDEVELD
DATE: 11-20-08		REVISED: (A) 11-10-08

DESCRIPTION: 16' x 7' MAX RAISED PANEL STEEL DOOR -/WINDLOAD +20 PSF
PART NAMES:
PAGE 1 OF 2
DRAWING NUMBER: V13220-1

FROM :Columbia Door Company FAX NO. :386-754-9993 Apr. 28 2004 01:02PM P2





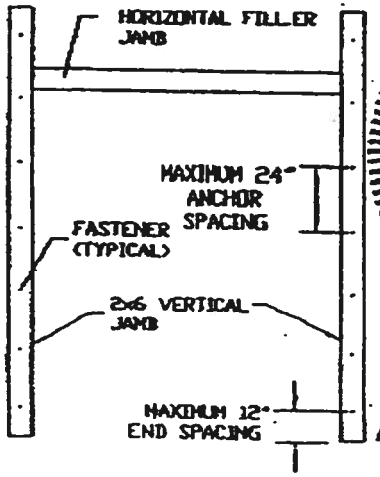
DESIGN LOAD $\frac{(LBS)}{FT^2}$ X GARAGE DOOR AREA(WIDTH-FT X HEIGHT-FT) = WIND LOAD(LBS)

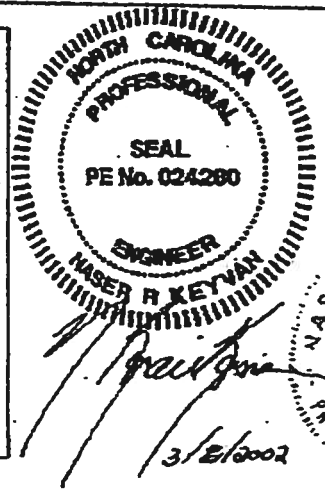
EXAMPLE

$\frac{30\ LBS}{FT^2}$ X 16 FT WIDE X 8 FT HIGH = 3840 LBS

(I) USE 22" SPACING (IV) USE 16" SPACING
(II) USE 21" SPACING (V) USE 10" SPACING
(III) USE 19" SPACING

SEE NOTE 15 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" SSTD 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 2850 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

SCALE: NONE	APPROVED BY:	DRAWN BY: DV
DATE: 8-30-99		CHECKED:
DESCRIPTION: JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS		
	DRAWING NUMBER: A10560	REVISION NUMBER:

ELK

PRESTIQUE®
HIGH DEFINITION®

RAISED PROFILE™

Prestique Plus *High Definition* and Prestique Gallery Collection™

Product size	13¼"x 39⅜"
Exposure	5⅝"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq.ft.
Squares/Pallet	11

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

Raised Profile

Product size	13¼"x 38¾"
Exposure	5⅝"
Pieces/Bundle	22
Bundles/Square	3/100 sq.ft.
Squares/Pallet	16

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

Prestique I *High Definition*

Product size	13¼"x 39⅜"
Exposure	5⅝"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq.ft.
Squares/Pallet	14

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

Prestique *High Definition*

Product size	13¼"x 38¾"
Exposure	5⅝"
Pieces/Bundle	22
Bundles/Square	3/100 sq.ft.
Squares/Pallet	16

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

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/*FLX*™

Size: 12"x 12"
Exposure: 6⅛"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Elk Starter Strip

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

Available Colors: Antique Slate, Weatheredwood, Shakewood, Sablewood, Hickory, Barkwood**, Forest Green, Wedgewood**, Birchwood**, Sandalwood. Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge roofing products contain Elk WindGuard® sealant. WindGuard activates with the sun's heat, bonding shingles into a wind and weather resistant cover 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 Sablewood.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) 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.**

SPECIFICATIONS

SCOPE: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color).

MATERIALS: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater: apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For low-

warranties are contingent upon the correct installa as shown on the instructions. These instructions are

Residential System Sizing Calculation

Summary

EWPL INC

Fort White, FL 32038-

Project Title:
THE NICOLAS +

Code Only
Professional Version
Climate: North

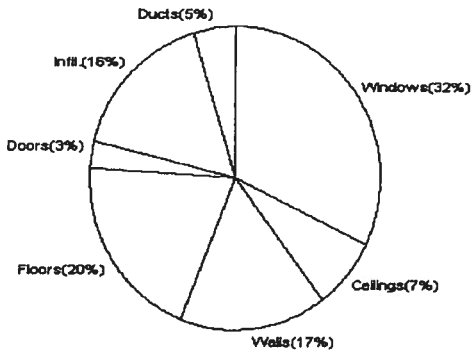
11/8/2005

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	18	F
Total heating load calculation	**30737**	**Btuh**	**Total cooling load calculation**	**31071**	**Btuh**
Submitted heating capacity	30000	Btuh	Submitted cooling capacity	30000	Btuh
Submitted as % of calculated	97.6	%	Submitted as % of calculated	96.6	%

WINTER CALCULATIONS

Winter Heating Load (for 1718 sqft)

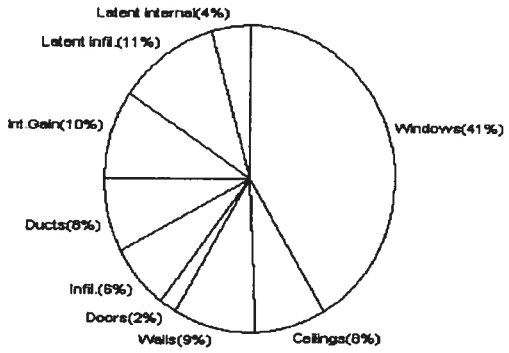
Load component			Load	
Window total	352	sqft	9952	Btuh
Wall total	1751	sqft	5133	Btuh
Door total	60	sqft	902	Btuh
Ceiling total	1718	sqft	2233	Btuh
Floor total	194	ft	6130	Btuh
Infiltration	115	cfm	4923	Btuh
Subtotal			**29273**	**Btuh**
Duct loss			1464	Btuh
TOTAL HEAT LOSS			**30737**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1718 sqft)

Load component			Load	
Window total	352	sqft	12891	Btuh
Wall total	1751	sqft	2909	Btuh
Door total	60	sqft	599	Btuh
Ceiling total	1718	sqft	2440	Btuh
Floor total			0	Btuh
Infiltration	100	cfm	1988	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**23826**	**Btuh**
Duct gain			2383	Btuh
Total sensible gain			**26209**	**Btuh**
Latent gain(infiltration)			3482	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**4862**	**Btuh**
TOTAL HEAT GAIN			**31071**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY:
DATE: 11-8-05

Manual J Winter Calculations

Residential Load - Component Details (continued)

EWPL INC

Fort White, FL 32038-

Project Title:
THE NICOLAS +

Code Only
Professional Version
Climate: North

11/8/2005

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)

System Sizing Calculations - Winter

Residential Load - Component Details

EWPL INC
Fort White, FL 32038-

Project Title:
THE NICOLAS +

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

11/8/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	42.0	28.3	1189 Btuh
2	2, Clear, Metal, DEF	N	13.3	28.3	377 Btuh
3	2, Clear, Metal, DEF	N	9.3	28.3	264 Btuh
4	2, Clear, Metal, DEF	N	17.5	28.3	495 Btuh
5	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
6	2, Clear, Metal, DEF	S	17.5	28.3	495 Btuh
7	2, Clear, Metal, DEF	S	72.0	28.3	2038 Btuh
8	2, Clear, Metal, DEF	SW	16.0	28.3	453 Btuh
9	2, Clear, Metal, DEF	S	36.0	28.3	1019 Btuh
10	2, Clear, Metal, DEF	SE	16.0	28.3	453 Btuh
11	2, Clear, Metal, DEF	W	16.0	28.3	453 Btuh
12	2, Clear, Metal, DEF	S	30.0	28.3	849 Btuh
13	2, Clear, Metal, DEF	W	20.0	28.3	566 Btuh
14	2, Clear, Metal, DEF	W	16.0	28.3	453 Btuh
	Window Total		352		9952 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Adjacent	13.0	197	1.6	315 Btuh
2	Frame - Exterior	13.0	1554	3.1	4817 Btuh
	Wall Total		1751		5133 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		40	17.9	718 Btuh
2	Wood - Adjac		20	9.2	184 Btuh
	Door Total		60		902Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1718	1.3	2233 Btuh
	Ceiling Total		1718		2233Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	194.0 ft(p)	31.6	6130 Btuh
	Floor Total		194		6130 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	17180(sqft)	115	4923 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			115	4923 Btuh

Totals for Heating	**Subtotal**	**29273 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1464 Btuh**
	Total Btuh Loss	**30737 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

EWPL INC

Fort White, FL 32038-

Project Title:
THE NICOLAS +

Code Only
Professional Version
Climate: North

11/8/2005

Totals for Cooling	Subtotal	23826	Btuh
	Duct gain(using duct multiplier of 0.10)	2383	Btuh
	Total sensible gain	26209	Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	3482	Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380	Btuh
	Latent other gain	0	Btuh
	TOTAL GAIN	31071	Btuh

Key: Window types (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/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

System Sizing Calculations - Summer

Residential Load - Component Details

EWPL INC

Fort White, FL 32038-

Project Title:
THE NICOLAS +

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F

11/8/2005

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, DEF, N, N	N	1.5	7.5	42.0	0.0	42.0	22	22	924 Btuh
2	2, Clear, DEF, N, N	N	9	10	13.3	0.0	13.3	22	22	293 Btuh
3	2, Clear, DEF, N, N	N	9	4	9.3	0.0	9.3	22	22	205 Btuh
4	2, Clear, DEF, N, N	N	1.5	5.5	17.5	0.0	17.5	22	22	385 Btuh
5	2, Clear, DEF, N, N	E	1.5	5.5	30.0	2.2	27.8	22	72	2048 Btuh
6	2, Clear, DEF, N, N	S	1.5	5.5	17.5	17.5	0.0	22	37	385 Btuh
7	2, Clear, DEF, N, N	S	1.5	6.5	72.0	36.0	36.0	22	37	2124 Btuh
8	2, Clear, DEF, N, N	SW	1.5	6.5	16.0	5.4	10.6	22	62	776 Btuh
9	2, Clear, DEF, N, N	S	1.5	6.5	36.0	36.0	0.0	22	37	792 Btuh
10	2, Clear, DEF, N, N	SE	1.5	6.5	16.0	5.4	10.6	22	62	776 Btuh
11	2, Clear, DEF, N, N	W	1.5	6.5	16.0	2.0	14.0	22	72	1053 Btuh
12	2, Clear, DEF, N, N	S	1.5	5.5	30.0	30.0	0.0	22	37	660 Btuh
13	2, Clear, DEF, N, N	W	1.5	5.5	20.0	1.5	18.5	22	72	1366 Btuh
14	2, Clear, DEF, N, N	W	1.5	5	16.0	1.0	15.0	22	72	1103 Btuh
	Window Total				352					12891 Btuh

Walls	Type	R-Value	Area	HTM	Load
1	Frame - Adjacent	13.0	197.0	1.0	205 Btuh
2	Frame - Exterior	13.0	1554.0	1.7	2704 Btuh
	Wall Total		1751.0		2909 Btuh

Doors	Type	Area	HTM	Load
1	Wood - Exter	40.0	10.0	399 Btuh
2	Wood - Adjac	20.0	10.0	200 Btuh
	Door Total	60.0		599 Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load
1	Under Attic/Dark	30.0	1718.0	1.4	2440 Btuh
	Ceiling Total		1718.0		2440 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab-On-Grade Edge Insulation	0.0	194.0 ft(p)	0.0	0 Btuh
	Floor Total		194.0		0 Btuh

Infiltration	Type	ACH	Volume	CFM=	Load
	Natural	0.35	17180	100.4	1988 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			100	1988 Btuh

Internal gain	Occupants	Btuh/occupant			Appliance	Load
	6	X	300	+	1200	3000 Btuh