

## Columbia County Building Permit Application

CK# 1065

Revised 9-23-04

For Office Use Only Application # 0604-73 Date Received 4/25 By JW Permit # 24798  
Application Approved by - Zoning Official BLK Date 27.07.06 Plans Examiner OK JTH Date 7-28-06  
Flood Zone X Development Permit NA Zoning A-3 Land Use Plan Map Category A-3  
Comments See Single Family Residential Use Affidavit Attached.

Applicants Name Linda or Melanie Roder Phone 752-2281  
Address 387 S.W. Kemp Ct. Lake City FL 32024  
Owners Name Donald Shea Phone 386-984-6200  
911 Address 886 SE. Race Track LN Lake City FL 32025  
Contractors Name Donald Shea Owner builder Phone 386-984-6200  
Address 888 S.E. Race Track LN. Lake City FL 32025  
Fee Simple Owner Name & Address NA  
Bonding Co. Name & Address NA  
Architect/Engineer Name & Address Mark Disosway  
Mortgage Lenders Name & Address NA

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

Property ID Number 21-45-17-08632-001 Estimated Cost of Construction 200 K

Subdivision Name \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_

Driving Directions 415. Lon Race Track Lane, 6th house on R, will build behind it.

Type of Construction Single Family Dwelling Number of Existing Dwellings on Property 1

Total Acreage 10 ac Lot Size \_\_\_\_\_ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 435' Side 178' Side 100' Rear 729'

Total Building Height 2'-8" Number of Stories 1 Heated Floor Area 8076 Roof Pitch 6-12

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

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

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

Owner Builder or Agent (Including Contractor) Linda R. Roder  
Commission #DD303275  
Expires: Mar 24, 2008  
Bonded Thru  
Atlantic Bonding Co., Inc.

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 22 day of March 20 06.

Personally known \_\_\_\_\_ or Produced Identification ✓

Contractor Signature  
Contractors License Number \_\_\_\_\_  
Competency Card Number \_\_\_\_\_  
NOTARY STAMP/SEAL

Linda R. Roder  
Notary Signature

## DISCLOSURE STATEMENT

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

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

#### TYPE OF CONSTRUCTION

- ☐ Single Family Dwelling ☐ Two-Family Residence  
☐ Farm Outbuilding ☐ Other \_\_\_\_\_  
☐ New Construction ☐ Addition, Alteration, Modification or other Improvement

#### NEW CONSTRUCTION OR IMPROVEMENT

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

X Donald L Shea  
Signature

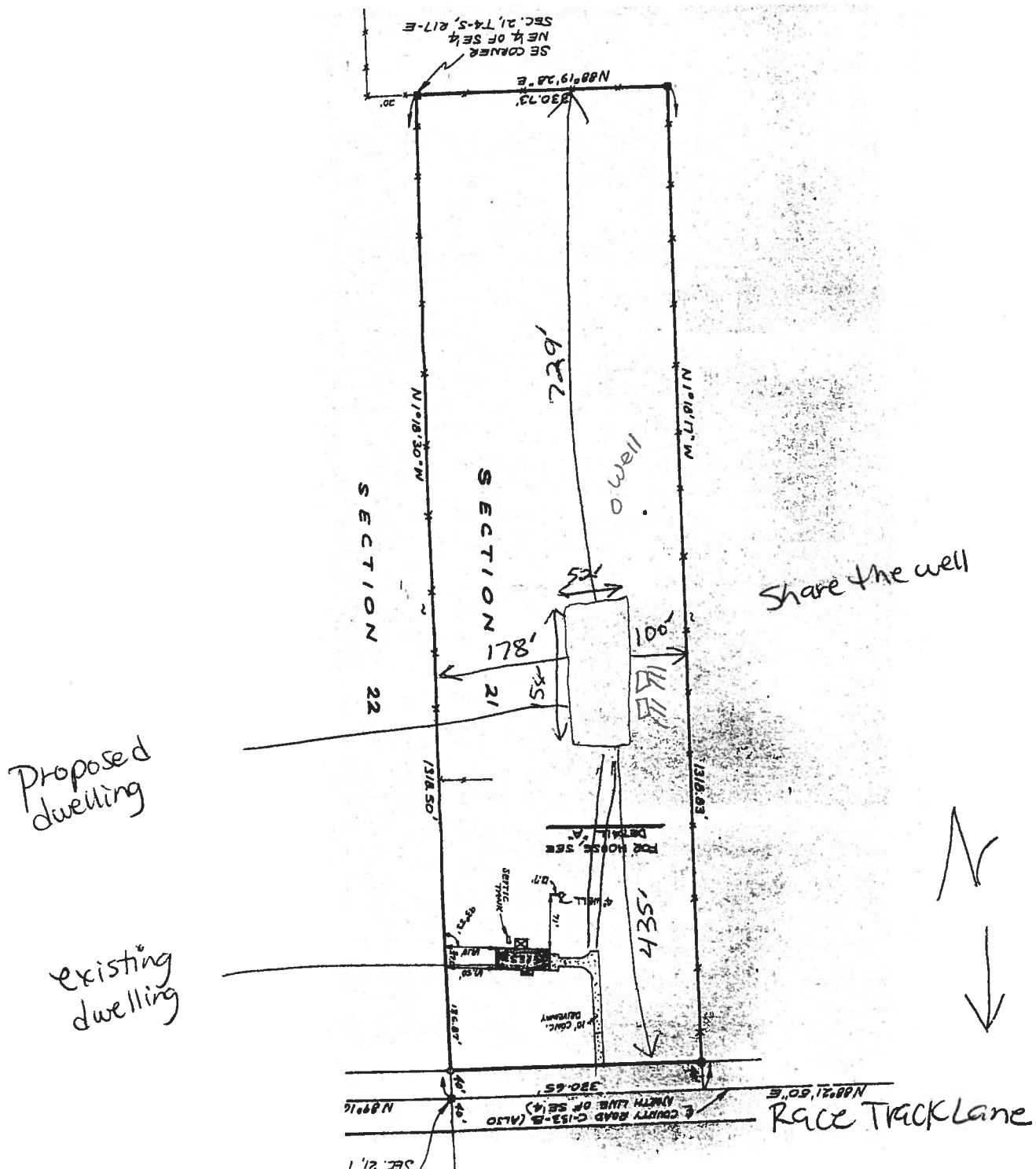
3-22-06  
Date

#### FOR BUILDING USE ONLY

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

Date 3-22-06 Building Official/Representative \_\_\_\_\_

Donald Shea Site Plan



## SINGLE FAMILY RESIDENTIAL USE AFFIDAVIT

The undersigned, Donald L. Shea, (herein "Owner"), whose mailing address is 888 SE Racetrack Lane, Lake City, Florida 32025, after being duly sworn, hereby executes this Affidavit to induce COLUMBIA COUNTY, FLORIDA to issue a building permit on Owner's property as described below as follows:

The East ½ of the East ½ of the Northeast ¼ of the Southeast ¼ of Section 21, Township 4 South, Range 16 East, Columbia County Florida. Tax Parcel # 21-4S-16-08632-001.

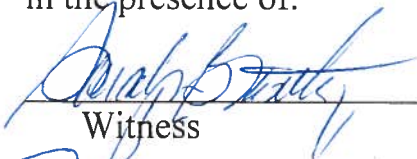
Owner has made application to COLUMBIA COUNTY, FLORIDA for a building permit for a single family residence on the above stated property. Owner intends to use the building as a single family residence. Owner is aware and has been advised that any use other than a single family residence shall not comply with the Columbia County Land Development Regulations (LDR'S) and shall obtain any additional permitting or approval as required by the LDR's for such uses.

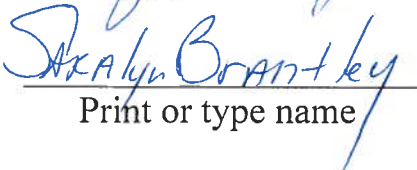
Owner will at all times comply with the Columbia County Comprehensive Plan and Land Development Regulations regarding any development upon the property.

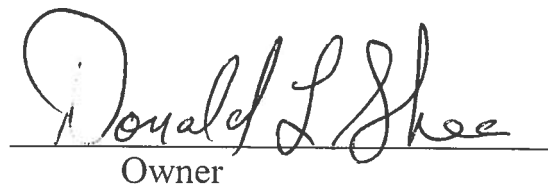
This affidavit will in no way compromise owner or owner's heirs the right to apply for a zoning variance at any time in the future.

Dated this 27<sup>th</sup> day of July, 2006.

Signed, sealed and delivered  
in the presence of:

  
\_\_\_\_\_  
Witness

  
\_\_\_\_\_  
Print or type name

  
\_\_\_\_\_  
Owner

Donald L. Shea  
Print or type name

Barbara A Saunders

Witness

Barbara A Saunders

Print or type name

Donald L. Shea

Owner

Donald L. Shea

Print or type name

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) before me this 27<sup>th</sup> day of July, 2006,

by Donald L. Shea and subscribed by \_\_\_\_\_, at the direction

of and in the presence of Barbara Doonan, and in the presence of these

witnesses: Sarahyn Brantley and Barbara Saunders

Barbara Doonan

Notary Signature



Personally known X or produced identification \_\_\_\_\_.

Type of identification produced \_\_\_\_\_.

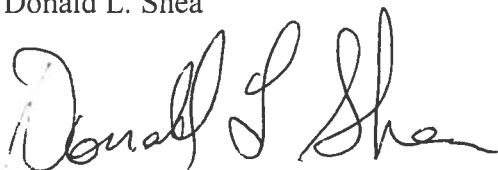
May 25, 2006

To whom it may concern:

I, Donald L. Shea, will use the residence I plan to build at 886 SE Race Track Lane. Lake City, Florida, 32025, as a single family residence. I may, in the future, apply to convert it to another use, as is the right of any citizen.

Thank you,

Donald L. Shea

A handwritten signature in black ink, appearing to read "Donald L. Shea". The signature is written in a cursive, flowing style with a large initial "D" and "S".



# Columbia County Property Appraiser

DB Last Updated: 5/5/2006

## 2006 Proposed Values

Parcel: 21-4S-17-08632-001 HX

Tax Record

Property Card

Interactive GIS Map

Print

### Owner & Property Info

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Search Result: 2 of 8

Next &gt;&gt;

<b>Owner's Name</b>	SHEA DONALD LEON
<b>Site Address</b>	RACETRACK
<b>Mailing Address</b>	888 SE RACETRACK LANE LAKE CITY, FL 32025
<b>Description</b>	E1/2 OF E1/2 OF NE1/4 OF SE1/4 EX RD R/W. ORB 455-296, LIFE ESTATE 946-2479, DC DONALD THOMAS SHEA 1028-559.

<b>Use Desc. (code)</b>	IMPROVED A (005000)
<b>Neighborhood</b>	21417.00
<b>Tax District</b>	2
<b>UD Codes</b>	MKTA02
<b>Market Area</b>	02
<b>Total Land Area</b>	10.000 ACRES

### Property & Assessment Values

<b>Mkt Land Value</b>	cnt: (1)	\$11,458.00
<b>Ag Land Value</b>	cnt: (1)	\$1,530.00
<b>Building Value</b>	cnt: (1)	\$59,546.00
<b>XFOB Value</b>	cnt: (2)	\$800.00
<b>Total Appraised Value</b>		\$73,334.00

<b>Just Value</b>	\$129,404.00
<b>Class Value</b>	\$73,334.00
<b>Assessed Value</b>	\$66,269.00
<b>Exempt Value</b>	(code: HX) \$25,000.00
<b>Total Taxable Value</b>	\$41,269.00

### Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
2/19/2002	946/2479	WD	I	U	01	\$100.00
8/1/1979	433/410	03	I	Q		\$55,600.00

### Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1965	Cement BRK (18)	1372	2208	\$59,546.00
<b>Note:</b> All S.F. calculations are based on exterior building dimensions.						

### Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0166	CONC,PAVMT	0	\$500.00	1.000	0 x 0 x 0	(.00)
0040	BARN,POLE	1993	\$300.00	1.000	0 x 0 x 0	(.00)

### Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 AC	1.00/1.00/1.00/1.00	\$11,458.20	\$11,458.00
006200	PASTURE 3 (AG)	9.000 AC	1.00/1.00/1.00/1.00	\$170.00	\$1,530.00
009910	MKT.VAL.AG (MKT)	9.000 AC	1.00/1.00/1.00/1.00	\$0.00	\$57,600.00

Columbia County Property Appraiser

DB Last Updated: 5/5/2006

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2 of 8

Next &gt;&gt;



## Columbia County Property Appraiser

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

### PARCEL: 21-4S-17-08632-001 HX - IMPROVED A (005000)

Name: SHEA DONALD LEON	LandVal	\$11,458.00
Site: RACETRACK	BldgVal	\$59,546.00
888 SE RACETRACK LANE	ApprVal	\$73,334.00
Mail: LAKE CITY, FL 32025	JustVal	\$129,404.00
Sales 2/19/2002 \$100.00 / U	Assd	\$66,269.00
Info 8/1/1979 \$55,600.00 / Q	Exmpt	\$25,000.00
	Taxable	\$41,269.00

0 220 440 660 ft



This information, GIS Map Updated: 5/5/2006, 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, its use, or its 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.



PREPARED BY/RETURN TO:  
William J. Haley, Esquire  
BRANNON, BROWN, HALEY,  
ROBINSON & BULLOCK, P.A.  
P. O. Box 1029  
Lake City, FL 32056-1029

Inst:2002003620 Date:02/20/2002 Time:15:35:40  
Doc Stamp-Deed : 0.70  
*MLK* DC, P. DeWitt Cason, Columbia County B:946 P:2479

### **SPECIAL WARRANTY DEED**

**THIS INDENTURE**, made this 19<sup>th</sup> day of February, 2002, between **DONALD THOMAS SHEA**, who reside in Columbia County, Florida, hereinafter referred to as "Grantor", and **DONALD LEON SHEA**, whose mailing address is Route 6 Box 390, Lake City, Florida 32025 hereinafter referred to as Grantee.

### **WITNESSETH:**

That said Grantor, for and in consideration of the sum of \$1.00, Love and affection the receipt and sufficiency of which are hereby acknowledged, have granted, bargained and sold to the said Grantee, and Grantee's heirs and assigns forever, the following described land, lying, situate and being in Columbia County, Florida, to-wit:

### **TOWNSHIP 4 SOUTH - RANGE 17 EAST**

#### **SECTION 21:**

**E½ of E½ of NE¼ of SE¼, LESS AND EXCEPT that part deeded to State of Florida, as contained in Deed recorded in Official Records Book 259, page 118, public records of Columbia County, Florida.**

#### **SUBJECT TO:**

**Taxes and special assessments for the year 2002 and subsequent years; restrictions, reservations, and easements of record; and zoning and any other governmental restrictions regulating the use of the lands.**

#### **NB:**

**Grantor reserves a life estate to himself on the life of the Grantor.**


**Donald Thomas Shea is the surviving widower of Irene J. Shea, deceased; and from September 29, 1980 until the death of Irene J. Shea, they were, and remained continuously, married.**


**PARCEL NO. \_\_\_\_\_**

and said Grantors do hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, Grantors have caused these presents to be executed the day and year first above written.

Signed, sealed and delivered  
in the presence of:

  
Print Name: William S. Haley


  
Donald Thomas Shea

  
Print Name: JENNIFER L. WARNER

Inst: 2002003620 Date: 02/20/2002 Time: 15:35:40  
Doc Stamp-Deed : 0.70  
MR DC, P. DeWitt Cason, Columbia County B: 946 P: 2400

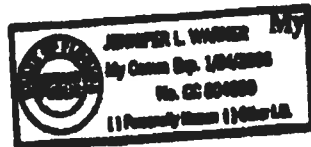
STATE OF FLORIDA  
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 19<sup>th</sup> day of February, 2002 by Donald Thomas Shea who are personally known to me, or who produced Identification and \_\_\_\_\_, respectively, as identification.



(NOTARIAL SEAL)

Notary Public-State of Florida  
My commission expires:



# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

Project Name:	410144Shea,DonaldAssistedLivingCenter	Builder:	owner builder
Address:	888 SE Race Track Lane	Permitting Office:	Columbia
City, State:	Lake City, FL 32025-	Permit Number:	24798
Owner:	Donald Shea	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: 98.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	6	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	8282 ft²		
7. Glass type <sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 98.0 kBtu/hr
(or Single or Double DEFAULT) 7a. (Dble Default)	360.0 ft²		HSPF: 7.00
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear)	360.0 ft²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 413.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.93
9. Wall types		b. N/A	
a. Concrete, Int Insul, Exterior	R=4.0, 2864.0 ft²	c. Conservation credits	
b. N/A		(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 8282.0 ft²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 280.0 ft		
b. N/A			

Glass/Floor Area: 0.04

Total as-built points: 79986

Total base points: 95316

## PASS

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

PREPARED BY: Ben Shea

DATE: 3-20-06

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

OWNER/AGENT: Donald Shea

DATE: 3-20-06

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

BUILDING OFFICIAL: \_\_\_\_\_

DATE: \_\_\_\_\_



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

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: 888 SE Race Track Lane, Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X SPM X SOF = Points							
.18	8282.0	20.04	29874.8	Double, Clear	W	1.5	5.5	210.0	38.52	0.90	7256.0
				Double, Clear	N	1.5	5.5	60.0	19.20	0.93	1069.3
				Double, Clear	E	1.5	8.0	90.0	42.06	0.96	3625.0
				As-Built Total: 360.0 11950.3							
WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Adjacent	0.0	0.00	0.0	Concrete, Int Insul, Exterior			4.0	2864.0	1.15		3293.6
Exterior	2864.0	1.70	4868.8								
Base Total: 2864.0 4868.8				As-Built Total: 2864.0 3293.6							
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points							
Adjacent	0.0	0.00	0.0	Exterior Insulated				80.0	4.10		328.0
Exterior	80.0	4.10	328.0								
Base Total: 80.0 328.0				As-Built Total: 80.0 328.0							
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points							
Under Attic	8282.0	1.73	14327.9	Under Attic			30.0	8282.0	1.73 X 1.00		14327.9
Base Total: 8282.0 14327.9				As-Built Total: 8282.0 14327.9							
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Slab	413.0(p)	-37.0	-15281.0	Slab-On-Grade Edge Insulation			0.0	413.0(p)	-41.20		-17015.6
Raised	0.0	0.00	0.0								
Base Total: -15281.0				As-Built Total: 413.0 -17015.6							
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
8282.0 10.21 84559.2				8282.0 10.21 84559.2							



# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: 888 SE Race Track Lane, Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT									
Summer Base Points:118677.7				Summer As-Built Points:97443.4									
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	= Cooling Points
118677.7		0.4266	50627.9	(sys 1: Central Unit 98000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 97443		1.00	(1.09 x 1.147 x 0.91)		0.341		1.000		37837.3
				97443.4		1.00	1.138		0.341		1.000		37837.3

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: 888 SE Race Track Lane, Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points					
.18	8282.0	12.74	18992.3	Double, Clear	W	1.5	5.5	210.0	20.73	1.03	4475.2	
				Double, Clear	N	1.5	5.5	60.0	24.58	1.00	1479.0	
				Double, Clear	E	1.5	8.0	90.0	18.79	1.02	1724.9	
				As-Built Total:				360.0				7679.2
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM		=	Points		
Adjacent	0.0	0.00	0.0	Concrete, Int Insul, Exterior		4.0	2864.0	6.50	18616.0			
Exterior	2864.0	3.70	10596.8									
Base Total:		2864.0	10596.8	As-Built Total:				2864.0	18616.0			
DOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM		=	Points		
Adjacent	0.0	0.00	0.0	Exterior Insulated			80.0	8.40	672.0			
Exterior	80.0	8.40	672.0									
Base Total:		80.0	672.0	As-Built Total:				80.0	672.0			
CEILING TYPESArea X BWPM = Points				Type	R-Value		Area X WPM X WCM		=	Points		
Under Attic	8282.0	2.05	16978.1	Under Attic		30.0	8282.0	2.05 X 1.00	16978.1			
Base Total:		8282.0	16978.1	As-Built Total:				8282.0	16978.1			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM		=	Points		
Slab	413.0(p)	8.9	3675.7	Slab-On-Grade Edge Insulation		0.0	413.0(p)	18.80	7764.4			
Raised	0.0	0.00	0.0									
Base Total:		3675.7	3675.7	As-Built Total:				413.0	7764.4			
INFILTRATION Area X BWPM = Points								Area X WPM		=	Points	
		8282.0	-0.59					8282.0	-0.59	-4886.4		

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: 888 SE Race Track Lane, Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT					
Winter Base Points:		46028.5		Winter As-Built Points:			46823.3		
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
46028.5		0.6274	28878.3	(sys 1: Electric Heat Pump 98000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0 46823.3	1.000	(1.069 x 1.169 x 0.93)	0.487	1.000	26509.0
46028.5		0.6274	28878.3	46823.3	1.00	1.162	0.487	1.000	26509.0

**WATER HEATING & CODE COMPLIANCE STATUS**

## Residential Whole Building Performance Method A - Details

ADDRESS: 888 SE Race Track Lane, Lake City, FL, 32025-

PERMIT #:

BASE					AS-BUILT							
WATER HEATING												
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit	= Total Multiplier	
6		2635.00		15810.0	40.0	0.93	6		1.00	2606.67	1.00	15640.0
					As-Built Total:							15640.0

**CODE COMPLIANCE STATUS**

BASE							AS-BUILT						
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
50628		28878		15810		95316	37837		26509		15640		79986

**PASS**



# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: 888 SE Race Track Lane, Lake City, FL, 32025-

PERMIT #:

**6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST**

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

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

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

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE\* = 85.9**

**The higher the score, the more efficient the home.**

Donald Shea, 888 SE Race Track Lane, Lake City, FL, 32025-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 98.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	6	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft <sup>2</sup> )	8282 ft <sup>2</sup>		
7. Glass type <sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 98.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 360.0 ft <sup>2</sup>		HSPF: 7.00
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 360.0 ft <sup>2</sup>	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 413.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.93
9. Wall types		b. N/A	
a. Concrete, Int Insul, Exterior	R=4.0, 2864.0 ft <sup>2</sup>	c. Conservation credits	
b. N/A		(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 8282.0 ft <sup>2</sup>	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 280.0 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: \_\_\_\_\_



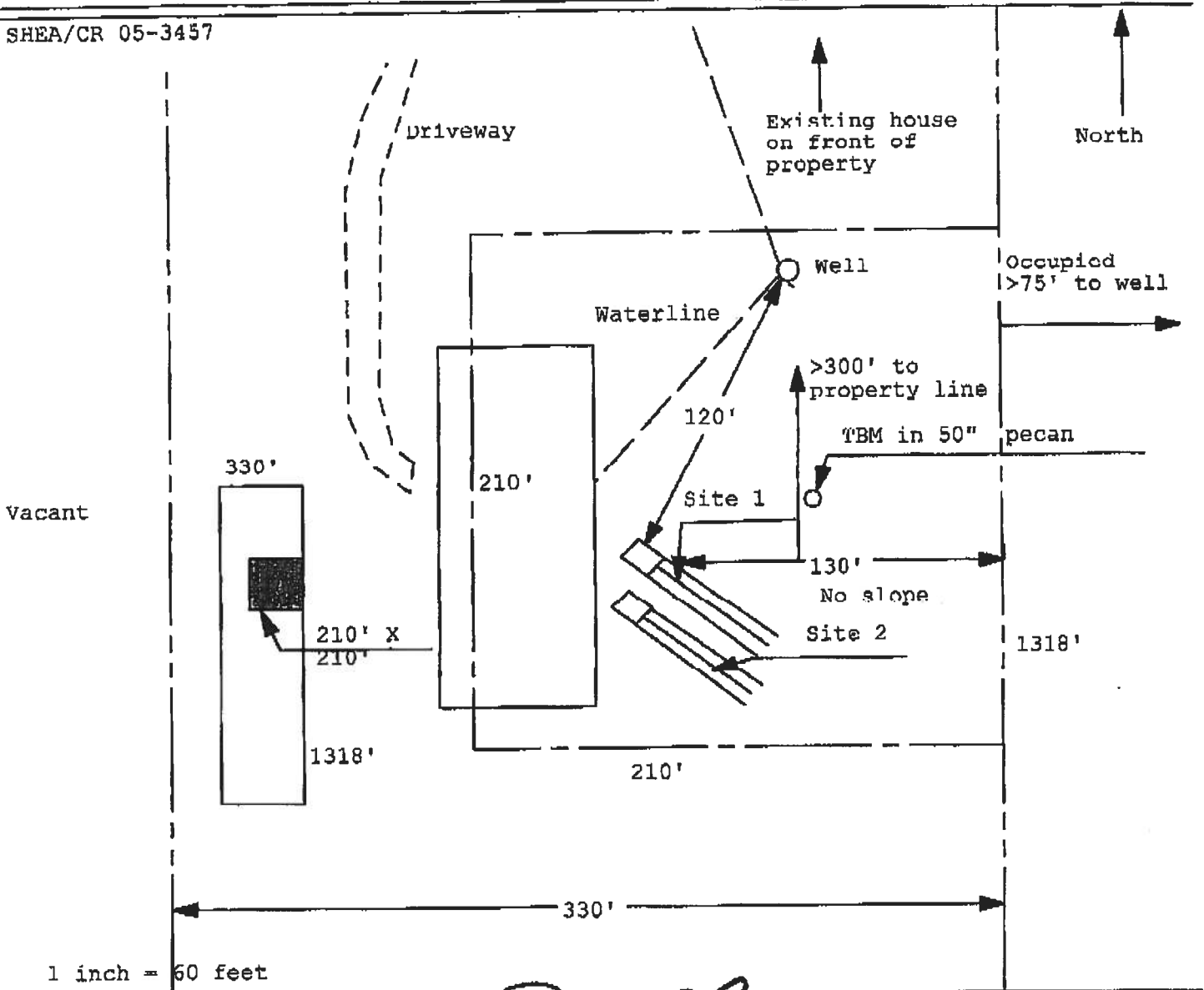
*\*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar<sup>TM</sup> designation), your home may qualify for energy efficiency mortgage (EEM) 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](http://www.fsec.ucf.edu) for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

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

**Application for Onsite Sewage Disposal System  
Construction Permit. Part II Site Plan**  
Permit Application Number: 06-0331N

**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT**

SHEA/CR 05-3457



Site Plan Submitted By Paul D. [Signature] Date 3/31/06  
Plan Approved ☒ Not Approved ☐ Date 4/5/06  
By [Signature] Columbia CPHU

Notes: \_\_\_\_\_



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

Reference to a building permit application Number: **0604-73**  
Contractor Donald Shea Owner/Builder At 886 E Racetrack Lane

On the date of May 23, 2006 application 0604-73 and plans for construction of an 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 0604-73 when making reference to this application.**

*Using the 2004 Florida building code a preliminary review of the plans found the following code requirements needs to be address.*

The application as submitted requested that an 8076 square footage single family dwelling be constructed. Where as the Florida building code has no area limitation as to the maximum square footage a single family dwelling can be constructed it defines a single family dwelling in section R202 definitions dwelling unit . A single unit providing complete independent living facilities for one or



more persons, including permanent provisions for living, sleeping, eating, cooking and sanitation.

The 2004 Florida Building Code chapter three section 310.1 establishes and defines the classification of all buildings and structures as to use and occupancy. The construction of the type requested in application 0604-73 is defined as a R-4 residential, occupancies shall include buildings arranged for occupancy as residential care/assisted living facilities A building or part thereof housing persons, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment which provides personal care services. The occupants are capable of responding to an emergency situation without physical assistance from staff. This classification shall include, but not be limited to, the following: residential board and care facilities, assisted living facilities, halfway houses, group homes, congregate care facilities, social rehabilitation facilities, alcohol and drug abuse centers and convalescent facilities, Including more than five but not more than 16 occupants, excluding staff.

Upon review of the Florida building code sections 434: assisted living facilities 434.1 Scope. Assisted living facilities shall comply with the following design and construction standards as described herein. Note: Other administrative and programmatic provisions may apply. See Agency of Health Care Administration (AHCA) Rule 58A-5, Florida Administrative Code and Chapter 400 Part III, Florida State Statutes. Chapter 400 part III 400.441

Please review these Florida statutes and codes which establishing standards and amend the plans to comply with these statutes and codes requirements.

In addition, Columbia County Land Development Regulations (LDR's) allow for a group living facility in an Agriculture-3 (A-3) zoning district as a special exception requiring a public hearing and approval by the Board of Adjustment. It appears that this building permit application would come under this classification. Please provide a letter stating the intent and purpose of this building to Brian Kepner, Land Development Regulation Administrator at the above referenced address.

Thank you,



Joe Haltiwanger  
Plan Examiner  
Columbia County Building Department

060473

24798

NOTICE OF COMMENCEMENT FORM  
COLUMBIA COUNTY, FLORIDA

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

Tax Parcel ID Number 21-45-17-08632-001

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

911-: 886 SE Racetrack LN Lake City FL 32025

2. General description of improvement: Single family dwelling

3. Owner Name & Address Donald Leon Shea

Interest in Property \_\_\_\_\_

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

5. Contractor Name Donald Leon Shea owner builder Phone Number 386-984-6200

Address 888 S.E. Racetrack Lane Lake City FL 32029

6. Surety Holders Name NA Phone Number \_\_\_\_\_

Address \_\_\_\_\_

Amount of Bond \_\_\_\_\_

7. Lender Name N/A Phone Number \_\_\_\_\_

Address \_\_\_\_\_

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statute

Name NA

Inst: 2006018043 Date: 07/31/2006 Time: 13:35

Address \_\_\_\_\_

DC, P. Dewitt Cason, Columbia County B: 1091 P: 704

9. In addition to himself/herself the owner designates \_\_\_\_\_

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

(a) 7. Phone Number of the designee \_\_\_\_\_

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

**NOTICE AS PER CHAPTER 713, Florida Statutes:**

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

Sworn to (or affirmed) and subscribed before  
day of 22 March, 20 06

NOTARY STAMP/SEAL

X Donald L Shea  
Signature of Owner



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

Linda R. Roder

NOTICE OF COMMENCEMENT FORM  
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY  
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION

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

IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE  
RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number 21-45-17-08632-001 Permit Number #24798

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

911- 886 SE RACETRACK LANE, LAKE CITY, FL  
32025

2. General description of improvement:

Single family dwelling

3. Owner Name & Address

DONALD LEON SHEA - 888 SE Racetrack Ln,  
LAKE CITY, FL 32025 Interest in Property

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

N/A

5. Contractor Name

DONALD LEON SHEA Phone Number 386 984 6200

Address 888 SE RACE TRACK LANE, LAKE CITY, FL 32025

6. Surety Holders Name

N/A Phone Number

Address

Amount of Bond

7. Lender Name

N/A Phone Number

Address

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be  
served as provided by section 718.13 (1)(a) 7; Florida Statutes:

Name

N/A

Address

Inst: 200712017051 Date: 7/30/2007 Time: 1:00 PM

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

9. In addition to himself/herself the owner designates

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

(a) 7. Phone Number of the designee

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

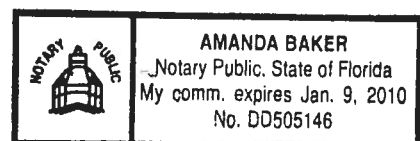
THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN  
IN HIS/HER STEAD.

Donald L Shea  
Signature of Owner

Sworn to (or affirmed) and subscribed before day of July 30<sup>th</sup>, 2007.

Amanda Baker  
Signature of Notary

NOTARY STAMP/SEAL





August 7, 2008

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. I was unable to finish for a variety of reasons. Most notably:

1. This summer's unusually frequent rainfall has made it difficult for my masonry contractor to progress as we both would have preferred.
2. My diagnosis this year with colon cancer, the subsequent bowel resection, and the ongoing chemotherapy have made my contribution to the effort less than I would have preferred.

Any consideration you might be able to extend me would be greatly appreciated, as the progress continues on the house, albeit at a lesser pace than anticipated.

Thank you

A handwritten signature in cursive script that reads "Donald L. Shea". The ink is dark and the signature is fluid, with a large initial 'D' and a stylized 'S'.

Donald L. Shea

November 8, 2008

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. I completed all the block work and am beginning the hallway and its poured ceiling before beginning the roof. Thank you for your time and trouble.

A handwritten signature in cursive script, reading "Donald L. Shea". The signature is written in dark ink and is positioned above the printed name.

Donald L. Shea



**GATEWAY  
PEST CONTROL INC.**

P.O. Box 415  
GLEN ST. MARY, FL 32040  
(904) 259-3808

DATE 8-10 TIME IN OUT

☐ REG. ☐ 1-TIME ☐ RES. ☒ COMM. ☐ INDOOR ☐ OUTDOOR

NAME Donald Shea

ADDRESS 818 Kage Trach Lane

CITY, STATE, ZIP Lake City PHONE

SERVICES PERFORMED TARGET PEST(S) APPLICATION METHOD

☐ INSPECTION

☒ TREATMENT

☐

3069846071

CHEMICALS USED

AMOUNT

%

EPA NUMBER

Permethrin

475 ml @ 3%

# 1032

DESCRIPTION / REMARKS

AMOUNT

Shit Treatment

1200.00

82822 & F1

24798

SERVED BY Shea LIC. NO. 24798

TOTAL

CUSTOMER SIGNATURE Shea

**SERVICE REPORT**

**20384**

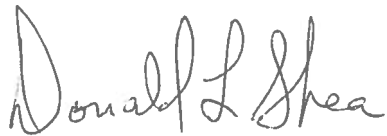
February 6, 2009

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. I completed all the block work and the framing for the bottom half the hallway. I am working on the top half so it can be poured before beginning the roof. Thank you for your time and trouble.

A handwritten signature in cursive script that reads "Donald L. Shea". The ink is dark and the signature is fluid, with the first name being the most prominent.

Donald L. Shea

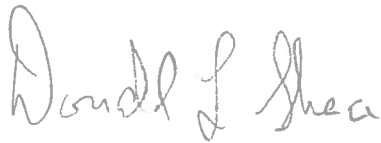
May 6, 2009

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. I completed all the block work and the framing for the bottom half the hallway. I am working on the top half so it can be poured before beginning the roof. Half the Plywood for the concrete decking has been carried to the top and reinforcing bar has begun to be cut to length. Thank you for your time and trouble.

A handwritten signature in cursive script that reads "Donald L. Shea". The ink is dark and the signature is fluid.

Donald L. Shea

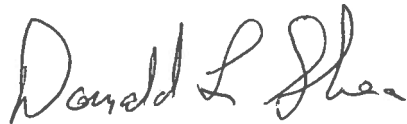
July 28, 2009

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. I completed all the block work and the framing for the bottom half the hallway and the framing and reinforcing bars for the ceiling of the hallway. I lack only the shoring necessary to complete the pouring. My masonry contractor is in the process of securing that shoring and I will call for my last concrete inspection. Meanwhile I am beginning the furring of the walls.. Thank you for your time and trouble.

A handwritten signature in black ink that reads "Donald L. Shea". The signature is written in a cursive, flowing style with a large initial 'D' and 'S'.

Donald L. Shea

**Mark Disosway, P.E.**

POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (386) 269-4871

September 23, 2009

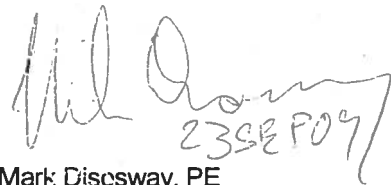
Building Department  
Columbia County, Florida

Re: Framing Inspection: Donald Shea Residence, 888 SE Race Track Lane, Lake City, FL 32025

Dear Building Inspector:

This letter is in reference to framing inspection issues at the above referenced house.

- The plan was drawn prior to the effective date for FBC 2007, Residential Code & 2009 Supplements, 01 March 2009.
  - Since the wind load requirements of FBCR 2004 & FBCR 2007 w/ 2009 Supplements remain basically unchanged from FBC 2001 there are no structural changes required to this plan due to the code change.
- The plans call a (2) 2x14 Lam-beam headers running the length of each side of the building supporting the hand framed roof & ceiling loads. The builder wants to install only a single ply 2x14 lam-beam header for the shorter spans.
  - It is ok to use a single ply 1.75" x 14" 2.0E, 2850Fb LVL beam supporting a tributary area of 10.5 ft (roof 16CL, 12 DL & ceiling 20LL, 10DL) for spans up to 13'-0" max clear span.
- The plan shows posts and beams at each end of the building (living room / study & storage room / bedroom). The roof system over these areas is constructed with pre-engineered trusses.
  - The headers and bearing posts are not required provided that the trusses are not designed to bear on them.

  
23SEP09Mark Disosway, PE  
Florida Registered Professional Engineer

Cc Donald Shea, owner

October 26, 2009

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. I completed the pouring of the hallway ceiling, thereby tying the whole structure together. Meanwhile, I continue furring the walls, removing the existing shoring on both levels, and plan on starting the middle portion of the roof soon. Thank you for your time and trouble.

A handwritten signature in cursive script that reads "Donald L. Shea". The signature is written in dark ink and is positioned above the printed name.

Donald L. Shea



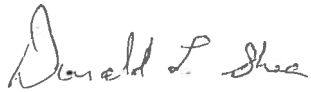
Jan 25, 2010

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. I continue furring the walls, removing the existing shoring on both levels, and plan on starting the middle portion of the roof soon. Thank you for your time and trouble.

A handwritten signature in cursive script, reading "Donald L. Shea". The ink is dark and the signature is fluid, with a large initial 'D' and a stylized 'S'.

Donald L. Shea

April 25, 2010

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. I continue furring the walls, I have a bout of sickness that coincided with my sweetheart's arthroscopic surgery. I am removing the existing shoring on both levels, and plan on starting the middle portion of the roof soon with the help of two carpenters Thank you for your time and trouble.

A handwritten signature in dark ink, appearing to read "Donald L. Shea". The signature is written in a cursive, somewhat stylized script.

Donald L. Shea

July 26, 2010

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. Unfortunately, I have made no progress in the last 3 months as I was undergoing chemotherapy and was in no shape to neither work nor supervise. Thank you for your time and trouble.

A handwritten signature in cursive script that reads "Donald L. Shea". The signature is written in dark ink and is positioned above the printed name.

Donald L. Shea

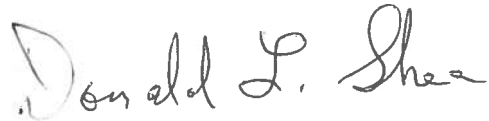
October 25, 2010

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. I am currently saving enough for a roofer to complete the roof. (Even the center portion). I have currently saved about \$16,000. Thank you for your time and trouble.

A handwritten signature in cursive script that reads "Donald L. Shea". The ink is dark and the signature is fluid, with a large initial 'D' and a long, sweeping 'S'.

Donald L. Shea

Jan 24, 2011

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. I have contracted with “Doug Geiger Custom Framing, LLC” to begin working on the wood stud walls, the beam down the east side of the building, and the middle portion of the roof. Thank you for your time and trouble.

Donald L. Shea

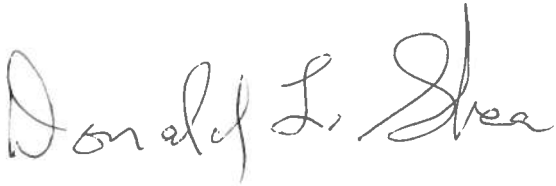
April 24, 2011

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. Contracted with "Doug Geiger Custom Framing, LLC". He has completed most of the wood stud walls, the beam down the east side of the building, and the strand board of the entire roof, and all of the underlayment. I am now saving to install the final roofing material. Thank you for your time and trouble.

A handwritten signature in cursive script that reads "Donald L. Shea". The signature is written in dark ink and is positioned to the left of the printed name.

Donald L. Shea

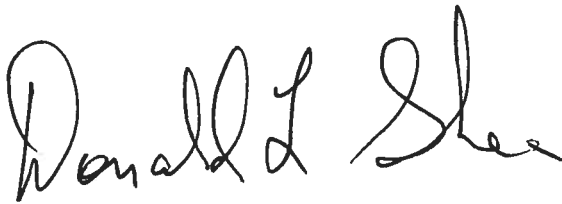
July 22, 2011

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. Contracted with "Doug Geiger Custom Framing, LLC". He has installed 7 of 19 windows. He has completed the strapping. I am still saving to install the final roofing material. Thank you for your time and trouble.

A handwritten signature in black ink that reads "Donald L. Shea". The signature is written in a cursive style with a large, looped 'D' and a long, sweeping 'S'.

Donald L. Shea

October 24, 2011

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. Contracted with "Doug Geiger Custom Framing, LLC". He has completed the metal roofing and is working on the windows and doors. Thank you for your time and trouble.

A handwritten signature in black ink that reads "Donald L. Shea". The signature is written in a cursive style with a large initial 'D' and a stylized 'S'.

Donald L. Shea



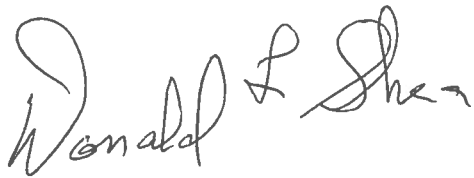
January 23, 2012

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798

I hereby request an extension to the above cited permit. Contracted with "Doug Geiger Custom Framing, LLC". He has completed the metal roofing and it has been signed off. He is working on the stucco, windows and doors. Thank you for your time and trouble.

A handwritten signature in black ink that reads "Donald L. Shea". The signature is written in a cursive style with a large initial "D" and a stylized "L".

Donald L. Shea

October 22, 2012

From: Donald L. Shea

To: The Columbia County Building Department

Subject: Extending my Building Permit #000024798. I have started on the fascia, framed twelve closets, I have framed  $\frac{3}{4}$  of the outside walls and continue to rough in the outside walls. Thank you for your time and trouble.

A handwritten signature in black ink that reads "Donald L. Shea". The signature is written in a cursive style with a large initial "D" and a stylized "S".

Donald L. Shea

April 24, 2013

From: Donald L Shea

To: The Columbia County Building Department

Subject: Extending my Building Department Permit #000024798

I hereby request an extension to the above cited permit. I have completed about 80% of the internal wood framing. I have completed about 70 % of the stucco to the outside block walls. I have just had the septic tank and sewage lift stations installed. (4 septic tanks and 2 lift stations), by Peloni Septic Systems. I have completed about 10% of the rough electrical work. I am getting estimates on the rough plumbing (the drains and stacks were in the original slab and approved). The hot and cold water will be run overhead. I hope to call for an inspection of the exterior within the next six weeks and to continue on during that time with the framing, rough electrical, and to begin the rough plumbing. Thank you for your time and trouble.

A handwritten signature in black ink, reading "Donald L. Shea". The signature is written in a cursive, flowing style with a large initial "D".

Donald L. Shea

January 23, 2013

From: Donald L Shea

To: The Columbia County Building Department

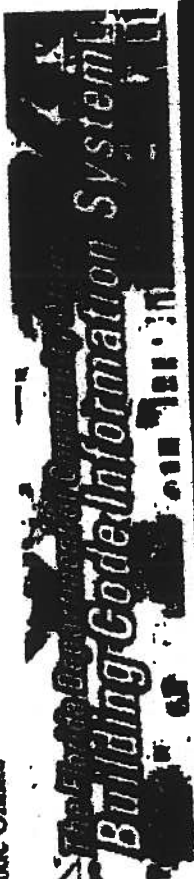
Subject: Extending my Building Department Permit #000024798

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A handwritten signature in black ink that reads "Donald L Shea". The signature is written in a cursive, flowing style.

Donald L. Shea

Florida Building Code Online



FLORIDA BUILDING CODE

Overview User Organization Registration Authentication Search Organization Activation

Select the organization type, status, or name to find an organization

Organization Type: Product Manufacturer

Approval Status: (ALL)

Organization Name: General American Door - Product Manufacturer

Cancel

Search

Result List for Organizations

Displaying 1-1 of 1

Name	City	Contact	Phone	Type	Expire	Status
General American Door	Montgomery	James Campbell	6808593000	Product Manufacturer	01/01/2009	Approved
Org Code: FDM System ID: 3385 Site Link: <a href="http://www.floridabuilding.org">www.floridabuilding.org</a>						

Displaying 1-1 of 1

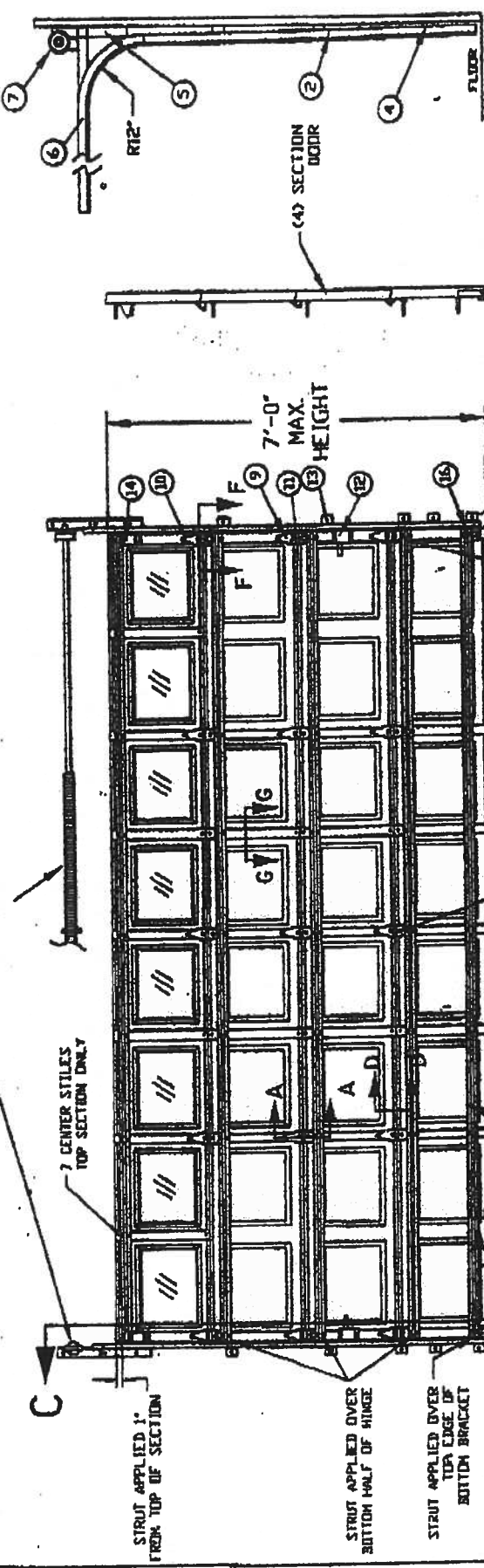
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[http://www.floridabuilding.org/Common/c\\_org\\_reg\\_SRCH.asp](http://www.floridabuilding.org/Common/c_org_reg_SRCH.asp)

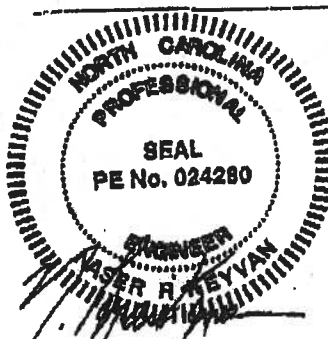
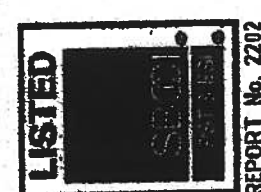
6/21/2004

- NOTES:**
1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
  2. MAXIMUM SECTION HEIGHT = 21'
  3. SECTION HEIGHTS OF 21'0" AND 19'5" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS RISE HEIGHTS.
  4. VARIOUS MAY BE INSTALLED IN THE TOP SECTION. GAS TESTED WITH 1/8" RSB GLASS OR EQUIVALENT. DO IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
  5. MAXIMUM LENGTH OF ROLLER STEM IS 24" OR AS TESTED
  6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE JOINT SHOWN.
  7. STRUTS SECURED AT ALL LOCATIONS WITH TIE SCREWS.
  8. QUANTITY OF SIDE LOCKS CAN BE Q1 OR Q2 AS TESTED.
  9. DROP IN TYPE OF INSULATION IS OPTIONAL.

NOT PART OF WIND LOAD SYSTEM  
EXTENSION SPRING COUNTERBALANCE  
TORSION SPRING COUNTERBALANCE



INSIDE ELEVATION



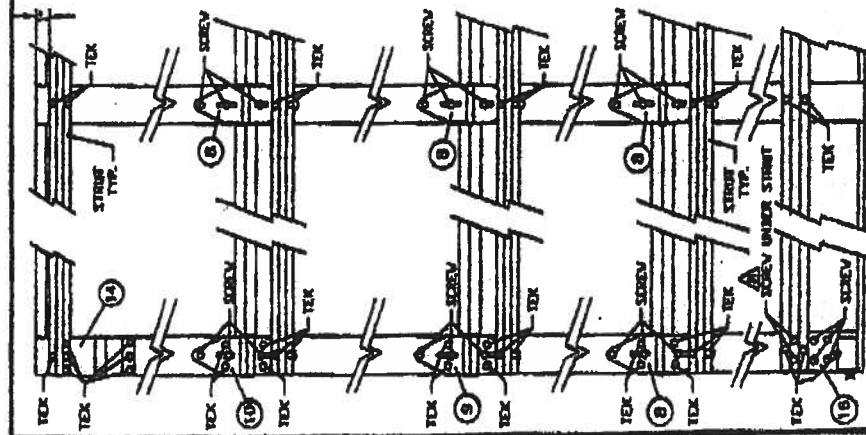
The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s), dimensions and installation(s) of the door as tested.

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

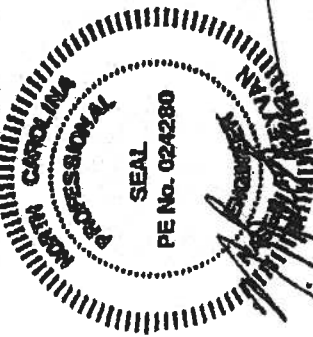
GENERAL AMERICAN DOOR COMPANY  
5050 BASELINE ROAD  
MONTGOMERY, IL 60538

SCALE: 1/8" = 1'-0"	APPROVED BY:	DESIGNED BY: A. VEDRINSKY
DATE: 10-20-88	REVISIONS:	(A) 11-10-88
DESCRIPTION:		
16' X 7' MAX. RAISED PANEL STEEL DOOR - WINDLOAD 20 PSF		
PROJECT NUMBER:	PAGE 1 OF 2	DRAWING NUMBER: V13220-1

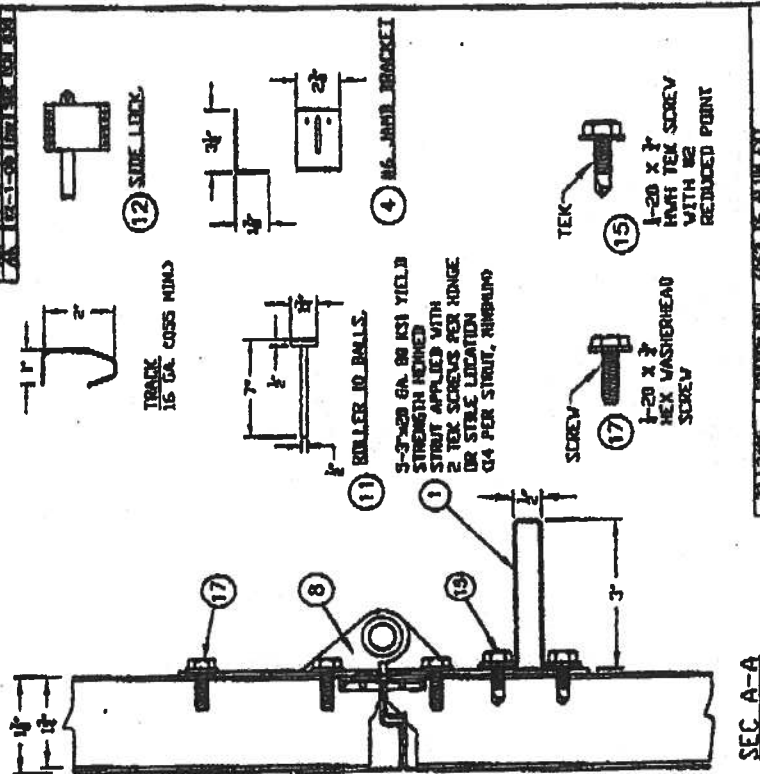
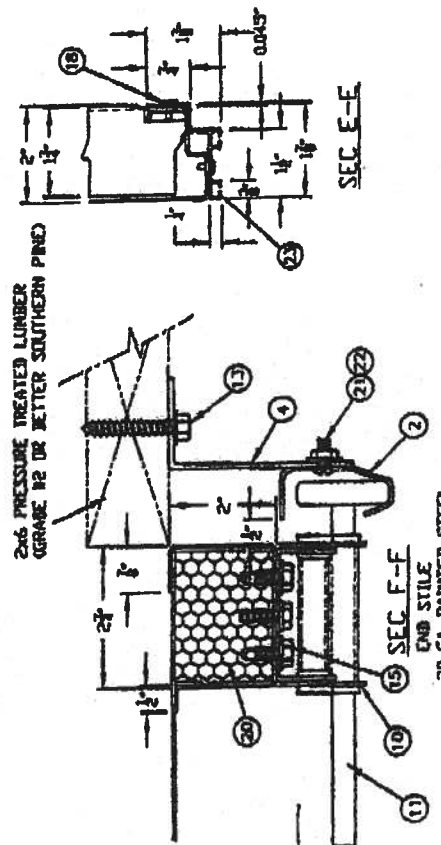
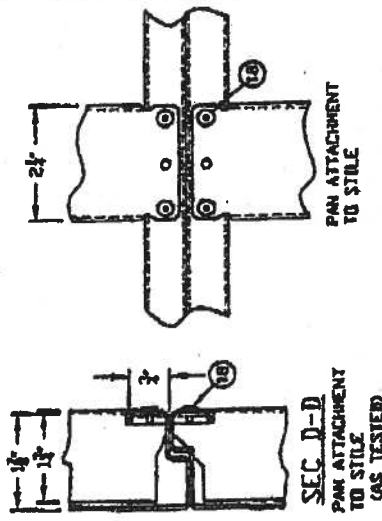
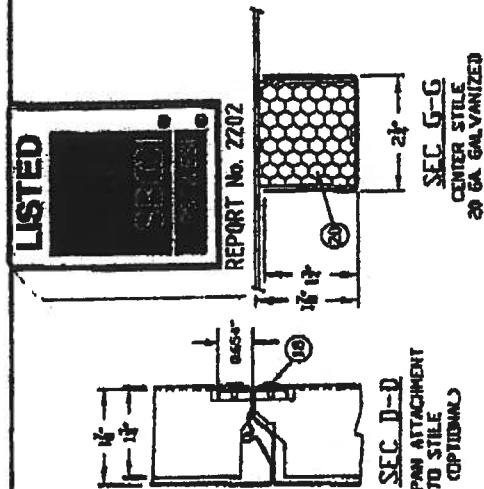
GALCO DOORS			
SERIES 7400, EXTERIOR STEEL = .017 MIN GAS TESTED			
SERIES 7825, EXTERIOR STEEL = .015" MIN A			
SERIES 7524, EXTERIOR STEEL = .024" MIN A			
(TESTED WITH WINDUYS)			
MAXIMUM DOOR WIDTH	16'	MAXIMUM DOOR HEIGHT	7'
TYPICAL CTR. STILE SPACING	23"	STILES TO KSI	5
VERTICAL TRACK	2 IN.	SIZE	3"



# FASTENER ARRANGEMENT A



The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configurations, dimensions and installation(s) of the door as tested.



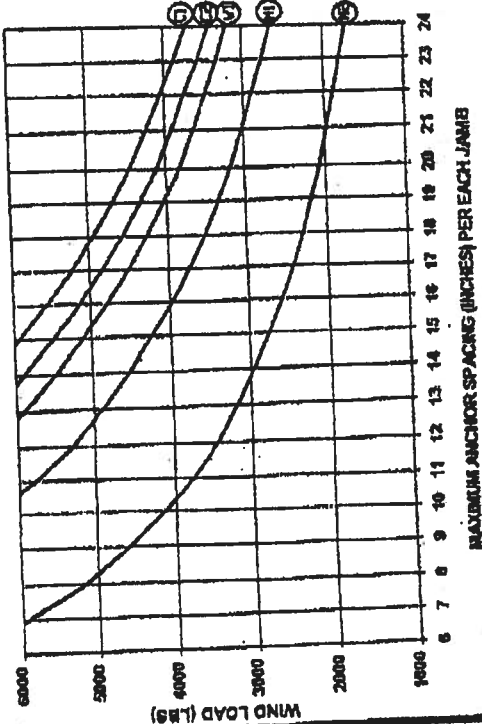
20	2485	WINTER RAIL	2485 IS ALUM EX
19	2484	WINTER RAIL	2484 IS ALUM EX
18	1174	WINTER RAIL	1174 IS ALUM EX
17	1173	WINTER RAIL	1173 IS ALUM EX
16	1172	WINTER RAIL	1172 IS ALUM EX
15	1171	WINTER RAIL	1171 IS ALUM EX
14	1170	WINTER RAIL	1170 IS ALUM EX
13	1169	WINTER RAIL	1169 IS ALUM EX
12	1168	WINTER RAIL	1168 IS ALUM EX
11	1167	WINTER RAIL	1167 IS ALUM EX
10	1166	WINTER RAIL	1166 IS ALUM EX
9	1165	WINTER RAIL	1165 IS ALUM EX
8	1164	WINTER RAIL	1164 IS ALUM EX
7	1163	WINTER RAIL	1163 IS ALUM EX
6	1162	WINTER RAIL	1162 IS ALUM EX
5	1161	WINTER RAIL	1161 IS ALUM EX
4	1160	WINTER RAIL	1160 IS ALUM EX
3	1159	WINTER RAIL	1159 IS ALUM EX
2	1158	WINTER RAIL	1158 IS ALUM EX
1	1157	WINTER RAIL	1157 IS ALUM EX
0	1156	WINTER RAIL	1156 IS ALUM EX

**2X6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT**

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

**NOTES:**

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

**WIND LOAD VS ANCHOR SPACING**

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

LOAD FT<sup>2</sup>

MAXIMUM ANCHOR SPACING (INCHES) PER EACH JAMB

**EXAMPLE**

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

USE 22" SPACING

USE 21" SPACING

USE 19" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIREMENTS FOR 2X6 WOOD JAMB ANCHORS

HORIZONTAL FILLER JAMB

MAXIMUM 24" ANCHOR SPACING

FASTENER (TYPICAL)

2X6 VERTICAL JAMB

MAXIMUM 12" END SPACING



GENERAL AMERICAN DOOR COMPANY

3800 BASSETT ROAD

HUNTSVILLE, IL 60538

PHONE 812-233-7777

FAX 812-233-7777

WWW.GADOOR.COM

FOR WIND LOADED GARAGE DOORS

ATTACHMENT

FOR WIND LOADED GARAGE DOORS

ATTACHMENT

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FOR WIND LOADED GARAGE DOORS

ATTACHMENT

FOR WIND LOADED GARAGE DOORS

ATTACHMENT

FOR WIND LOADED GARAGE DOORS

ATTACHMENT



3/8/2002





FEB - 4 2002

January 31, 2002

**TO: OUR FLORIDA CUSTOMERS:**

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

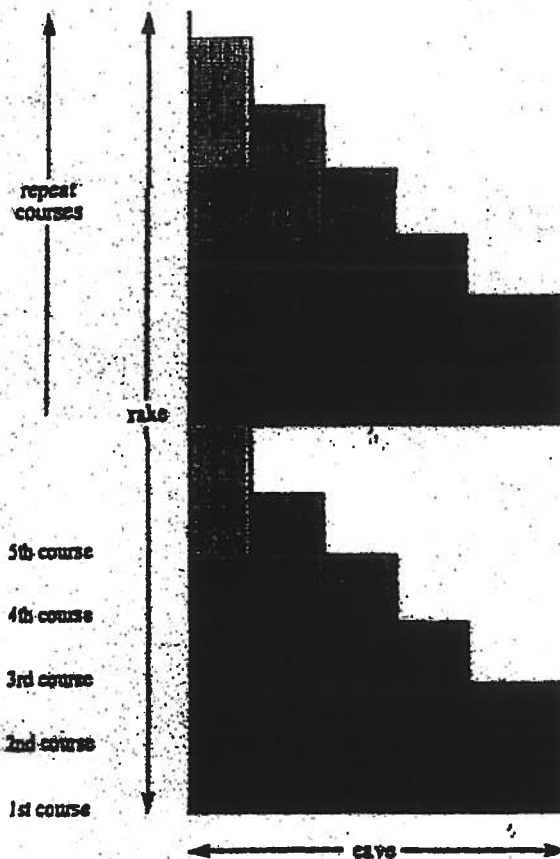
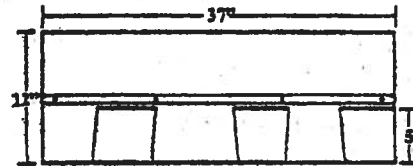
Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

TAMKO Roofing Products, Inc.

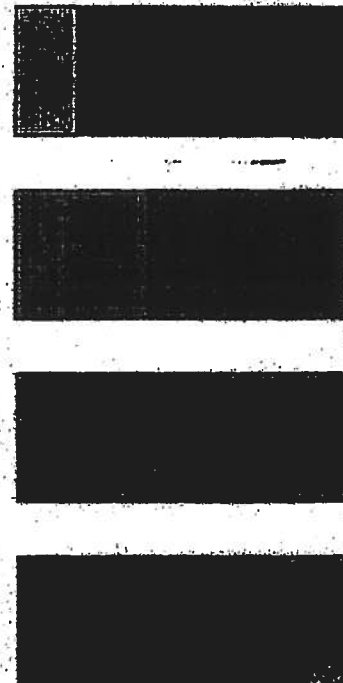


## Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"



The 4 cuts in the first 10 courses:



In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

**NOTE:** These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.



## Application Instructions for

- Glass-Seal
- Glass-Seal AR
- Elite Glass-Seal®
- Elite Glass-Seal® AR

## THREE-TAB ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS. THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER. IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

**IMPORTANT:** It is not necessary to remove the plastic strip from the back of the shingles.

### 1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

**NEW ROOF DECK CONSTRUCTION:** Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and ridges.

**PLYWOOD:** All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thick and applied in accordance with the recommendations of the American Plywood Association.

**SHEATHING BOARDS:** Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

### 2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement.
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents.

FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

**IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.**

### 3. FASTENERS

**NAILS:** TAMKO recommends the use of nails as the preferred method of application.

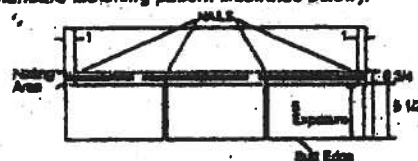
**WIND CAUTION:** Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These

conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

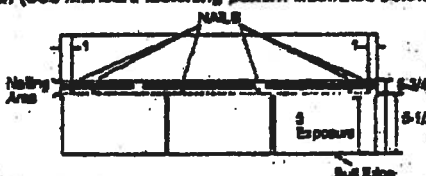
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagrams and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

**FASTENING PATTERNS:** Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 6-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

- 1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below.)



- 2) Mansard or High Wind Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fasteners per shingle. (See Mansard fastening pattern illustrated below.)



**NAILS:** TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in.

(Continued)

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[www.tamko.com](http://www.tamko.com)

Central District	220 West 4th St., Joplin, MO 64801	800-841-4691
Northeast District	4500 Tamko Dr., Frederick, MD 21701	800-368-2065
Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-229-2656
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	6300 East 43rd Ave., Denver, CO 80216	800-530-8888

07/01

# TAMKO

## ROOFING PRODUCTS

(CONTINUED FROM Pg. 2)

### Glass-Seal Glass-Seal AR

### THREE-TAB ASPHALT SHINGLES

### Elite Glass-Seal® Elite Glass-Seal® AR

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a 3.25 piece and applied to shingles with a 5 in. exposure, use 5 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

#### RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1:

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and re-fasten in a new location. Remove all drip edge metal and replace with new.

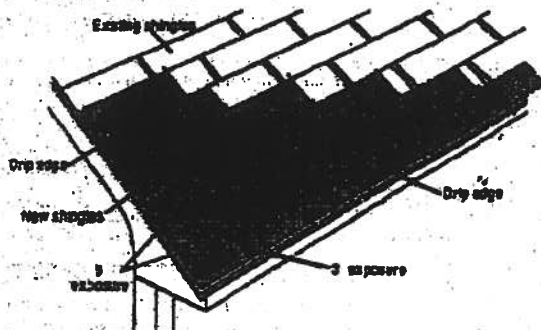
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The nailing procedure described below is the preferred method for re-roofing over square tab shingles with a 5 in. exposure.

**Starter Course:** Begin by using TAMKO Shingle Starter or by cutting shingles into 5 x 36 inch strips. This is done by removing the 5 in. tabs from the bottom and approximately 2 in. from the top of the shingles so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter piece so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

**First Course:** Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

**Second and Subsequent Courses:** According to the off-set application method you choose to use, remove the appropriate length from the



rake end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingles used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.

#### VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Past® or a minimum 60 lb. roof roofing in the valley. Nail the felt only where necessary to hold it in place and then only nail the outside edges.

**IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.**

• Apply the first course of shingles along the eaves of one of the intersecting roof planes and across the valley.

**Note:** For proper flow of water over the trimmed shingle, always start applying the shingles on the roof plane that has the lower slope or less height.

• Extend the end shingle at least 12 in. on to the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.

• Do not trim if the shingle length exceeds 12 in. Lengths should vary.

• Press the shingles tightly into the valley.

• Use normal shingle fastening methods.

**Note:** No fastener should be within 6 in. of the valley centerline, and two fasteners should be placed at the end of each shingle crossing the valley.

• To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and trim a minimum of 2 in. back from the centerline of the valley.

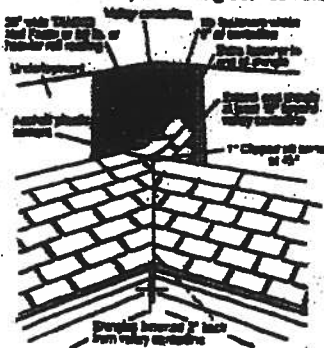
**Note:** For a neater installation, snap a chalkline over the shingles for guidance.

• Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.

**CAUTION:** Adhesive must be applied in smooth, thin, even layers.

Excessive use of adhesive will cause blistering in this product.

TAMKO assumes no responsibility for blistering.



(Continued)

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Southeast District  
Southwest District  
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2300 35th St., Tuscaloosa, AL 35401  
7910 S. Central Exp., Dallas, TX 75216  
5300 East 43rd Ave., Denver, CO 80216

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800-368-2055  
800-228-2656  
800-443-1834  
800-530-8868

07/01



(CONTINUED from Pg. 3)

• Glass-Seal  
• Glass-Seal AR

• Elite Glass-Seal®  
• Elite Glass-Seal® AR

### THREE-TAB ASPHALT SHINGLES

FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

#### 12. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener 5-1/2 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

**NOTE:** AR type shingle products should be used as Hip & Ridge on Glass-Seal AR and Elite Glass-Seal AR shingles.

Fasteners should be 1/4 in. longer than the one used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHEN SEND-ING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.



THIS PRODUCT IS COVERED BY A LIMITED WARRANTY. THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

#### IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

In this paragraph "You" and "Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles strictly in accordance with the instructions printed on this wrapper; or (b) that shingles which are not installed strictly in accordance with the instructions printed on this wrapper are sold "AS IS" and are not covered by the limited warranty that is also printed on this wrapper, or any other warranty, including, but not limited to (except where prohibited by law) implied warranties of MERCHANTABILITY and FITNESS FOR USE.

Visit Our Web Site at  
[www.tamko.com](http://www.tamko.com)

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Northeast District  
Southeast District  
Southwest District  
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220 West 4th St., Joplin, MO 64801  
4500 Tamko Dr., Frederick, MD 21701  
2300 35th St., Tuscaloosa, AL 35401  
7910 S. Central Exp., Dallas, TX 75216  
5300 East 43rd Ave., Denver, CO 80216

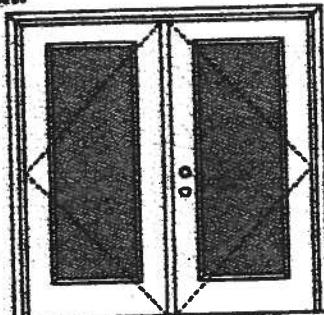
800-841-4691  
800-358-2055  
800-228-2656  
800-443-1634  
800-530-8868

0701

**XX**

Glazed Outswing Unit

COP-WL-JHN162-02

**WOOD-EDGE STEEL DOORS****APPROVED ARRANGEMENT:**

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

Design Pressure  
**+40.5/-40.5**

Limited water unless special threshold design is used.

Large Missile Impact Resistance

**Hurricane protective system (shutters) is REQUIRED.**

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

**Note:**

Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

**MINIMUM ASSEMBLY DETAIL:**

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

**MINIMUM INSTALLATION DETAIL:**

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

**APPROVED DOOR STYLES:****1/4 GLASS:**

100 Series



133, 136 Series



136 Series



680 Series



622 Series

**1/2 GLASS:**

105 Series\*



106, 160 Series\*



129 Series\*



200 Series\*



12 RA, 23 RA, 24 RA Series\*



107 Series\*



108 Series



304 Series

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

**Johnson**  
**EntrySystems**

March 20, 2002

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-WL-JH4162-02

## WOOD-EDGE STEEL DOORS

### APPROVED DOOR STYLES: 3/4 GLASS:



404 Series



410 Series



450 Series

### FULL GLASS:



100 Series



114, 120, 122  
Series



152 Series



140 Series



300 Series

### CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1884-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

### PRODUCT COMPLIANCE LABELING:

TESTED IN  
ACCORDANCE WITH  
MIAMI-DADE BCCO PA202  
COMPANY NAME  
CITY, STATE

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

*Kurt L Balthazor*

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

**Johnson**  
EntrySystems

March 28, 2002

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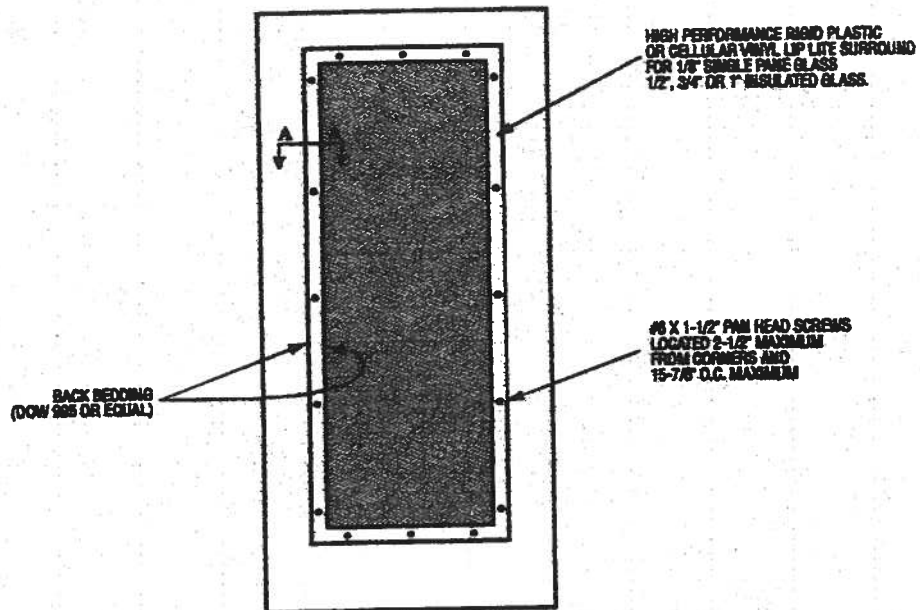
Exclusively from

**Masonite**

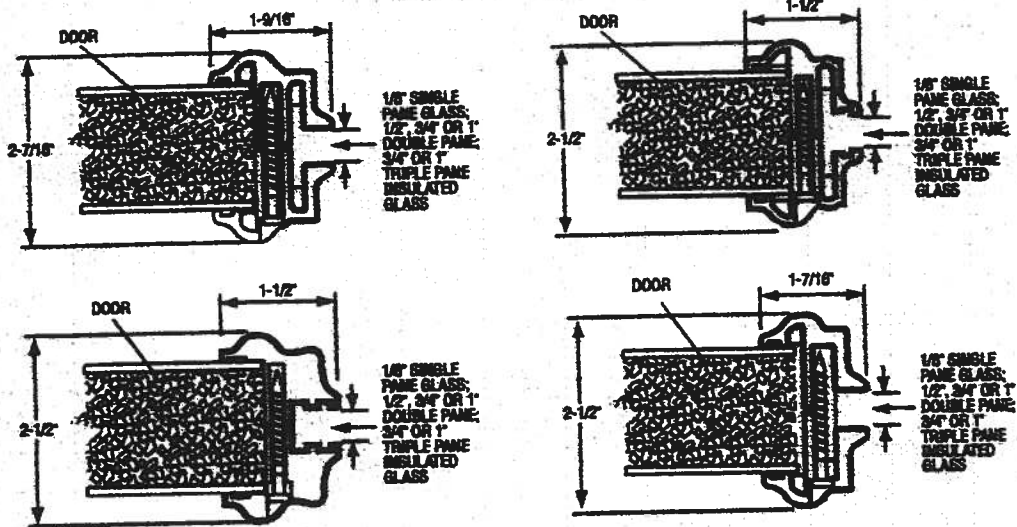
Masonite International Corporation

MAD-WL-MA0041-02

## GLASS INSERT IN DOOR OR SIDELITE PANEL



### SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



March 29, 2002  
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**PREMIER** Collection  
Proven Quality Doors

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**Masonite**  
Masonite International Corporation

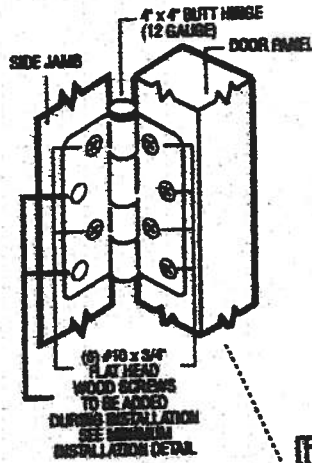


**XX**  
Unit

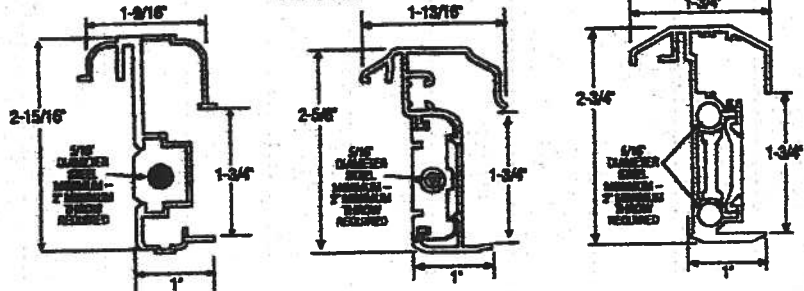
MAD-WL MAD012-02

## OUTSWING UNITS WITH DOUBLE DOOR

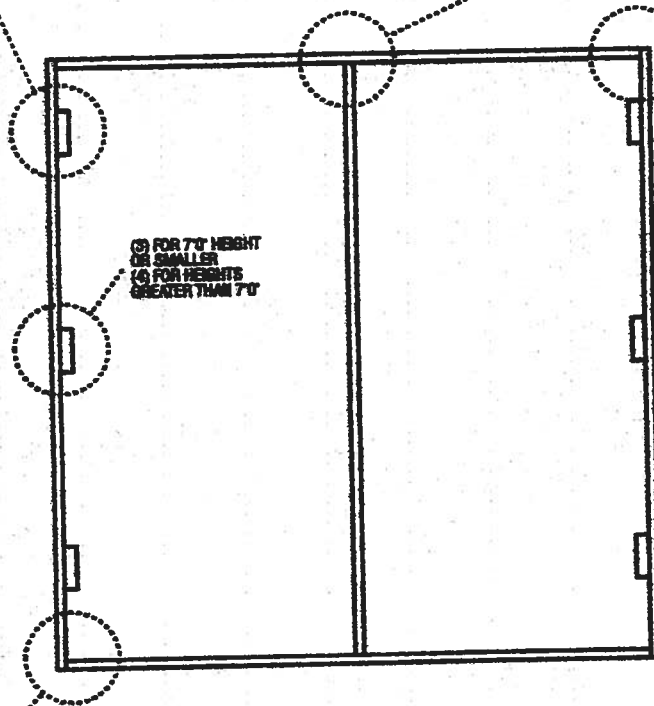
### TYPICAL HINGE ATTACHMENT



### TYPICAL ASTRAGAL PROFILES

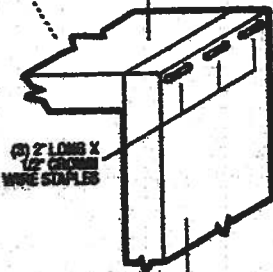


ALUMINUM EXTRUDED ASTRAGAL (0.06\"/>



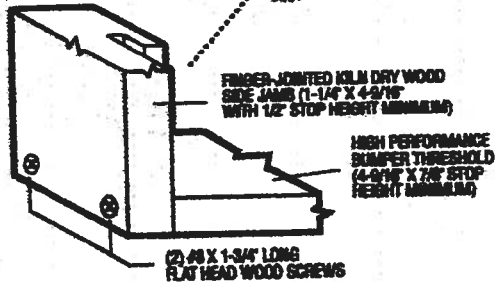
### TYPICAL HEADER & SIDE JAMB ATTACHMENT

FINGER-JOINTED KILN DRY WOOD  
FRAME HEADER (1-1/4\"/>



FINGER-JOINTED  
KILN DRY WOOD  
SIDE JAMB  
(1-1/4\"/>

### TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



March 29, 2002  
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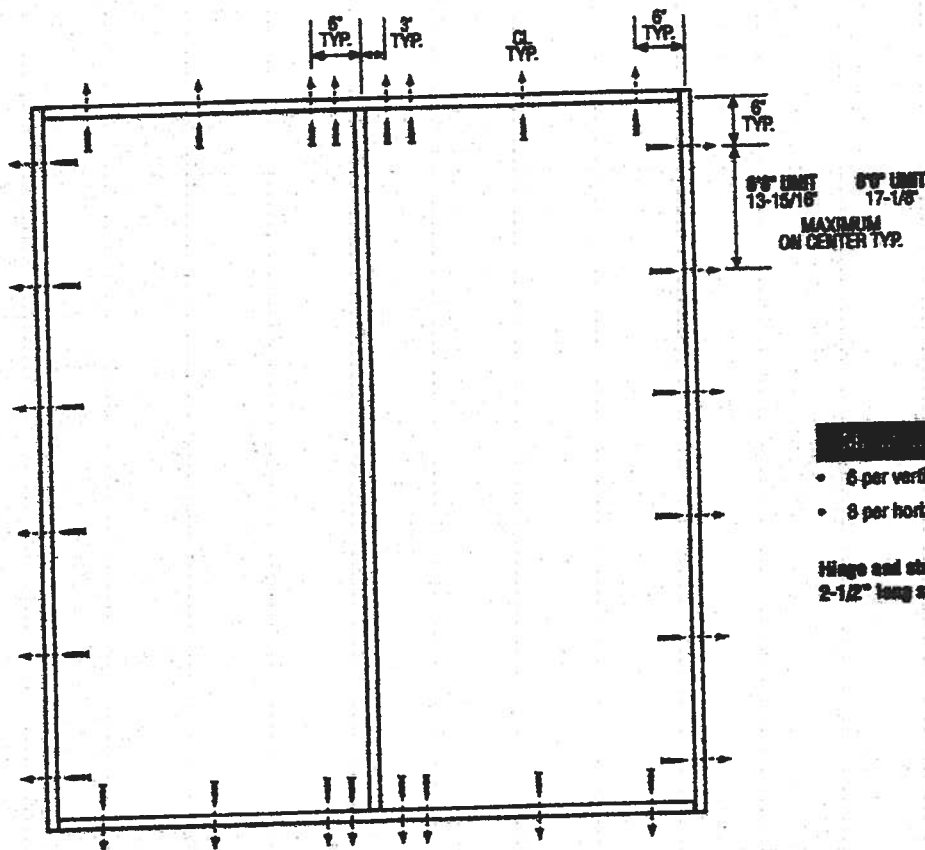
**PREMIER**  
Premium Quality Doors

Exclusively from  
**Masonite**  
Masonite International Corporation

**XX**  
Unit

MID-WI-MIA0002-02

## DOUBLE DOOR



### Fastener Requirements

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

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

### Latching Hardware:

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

### Notes:

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

March 29, 2002

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

**PRENDON** Collection  
Premium Quality Doors



Exclusively from

**Masonite**

Masonite International Corporation

**AAMA/NWWDA 101/1.S.2-97  
TEST REPORT SUMMARY**

Rendered to:

**MI HOME PRODUCTS, INC.**

**SERIES/MODEL: 650 Fm  
TYPE: Aluminum Single Hung Window**

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

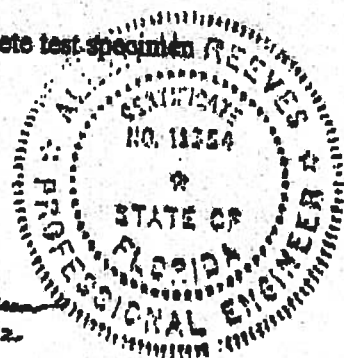
Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

*Mark A. Hess*  
Mark A. Hess, Technician

MAH:nib

*Allen P. Reeves*  
1 APRIL 2002



II

Architectural Testing.

**AAMA/NWWDA 101/LS-2-97 TEST REPORT**

Rendered to

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

Report No: 01-41134.01  
Test Date: 03/07/02  
Report Date: 03/26/02  
Expiration Date: 03/07/06

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

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

**Test Specimen Description:**

**Series/Model:** 650 Fin

**Type:** Aluminum Single Hung Window

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

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

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

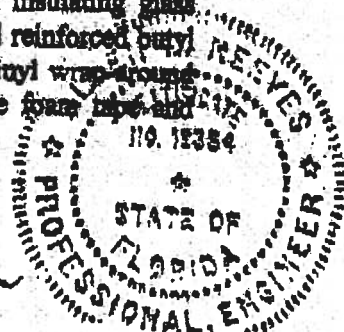
**Screen Size:** 4' 0-1/4" wide by 2' 11-1/8" high

**Finish:** All aluminum was white.

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

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

Allen N. Raman  
1 APRIL 2002



III

**Test Specimen Description: (Continued)**

**Weatherstripping:**

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

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

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

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

**Hardware:**

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

*Allen N. Reeves*  
1 APRIL 2002





IV

**Test Specimen Description: (Continued)**

**Drainage:** Sloped sill

**Reinforcement:** No reinforcement was utilized.

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

**Test Results:**

The results are tabulated as follows:

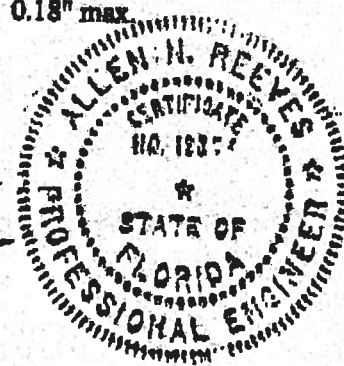
<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft <sup>2</sup>	0.3 cfm/ft <sup>2</sup> max
	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42"* 0.43"*	0.26" max. 0.26" max.

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

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

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

Allen D. Reeves  
1 APRIL 2002



**Test Specimen Description: (Continued)**

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

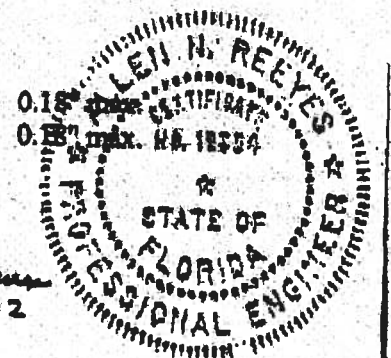
**Optional Performance**

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

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

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

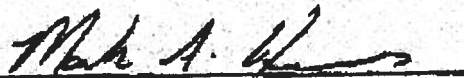
*Allen H. Reeves*  
1 APRIL 2002



VI

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

For ARCHITECTURAL TESTING, INC:



Mark A. Hess  
Technician

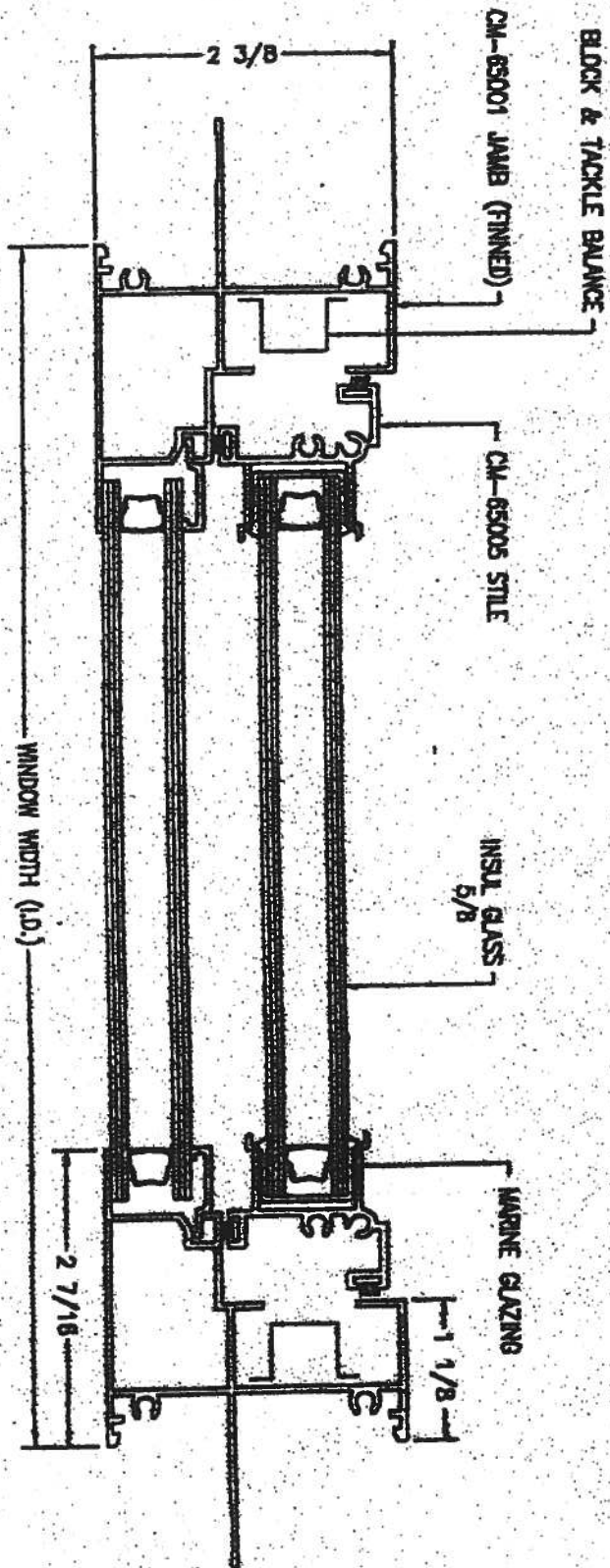
MAH:nlb  
01-41134.01



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

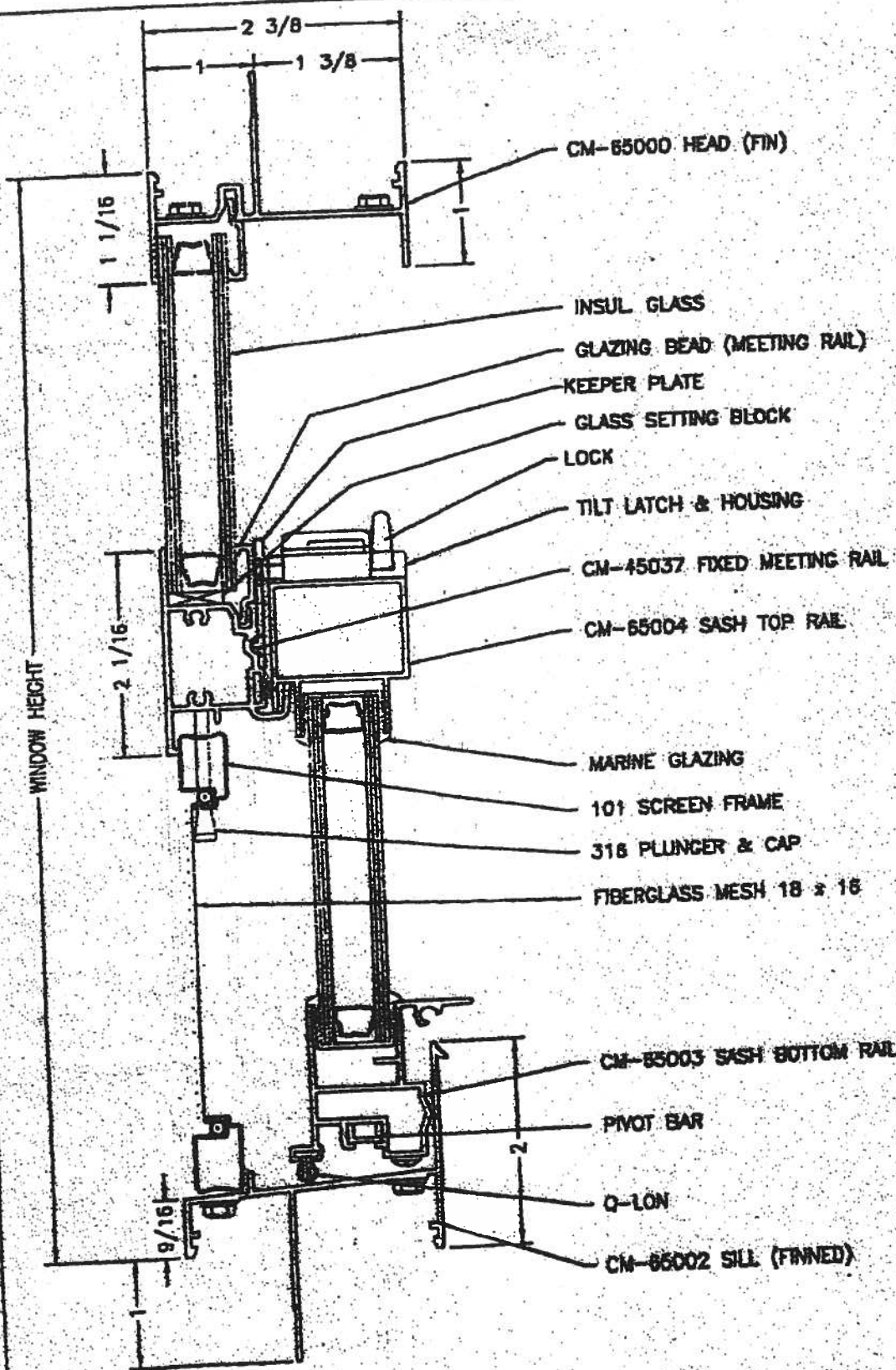







MI HOME PRODUCTS	
650 SH FIN NAIN FRAME INSULATED	
GLASS HORIZONTAL CROSS SECTION	
DATE	4-7-02
BY	FULL
650-AS2	8

650-AS1 A



 <b>MI HOME PRODUCTS</b> 650 WEST BARKET STREET • CROZ. PA • 17030-0370			
<b>TITLE</b> 650 SH FIN MAIN FRAME VERTICAL CROSS SECTION			
<b>DATE</b> 4-7-82	<b>BY</b> Y.M.R.	<b>SCALE</b> FULL	<b>DRW. NO.</b> 650-AS1

# Residential System Sizing Calculation

## Summary

Donald Shea  
888 SE Race Track Lane  
Lake City, FL 32025-

Project Title:  
410144Shea,DonaldAssistedLivingCenter

Class 3 Rating  
Registration No. 0  
Climate: North

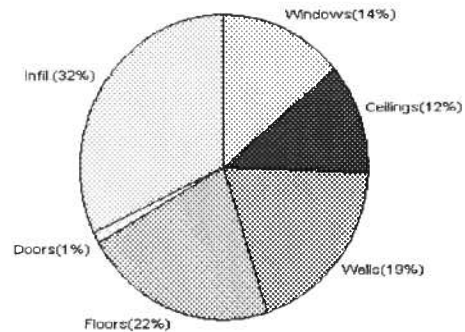
3/20/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
<b>Total heating load calculation</b>	<b>82244 Btuh</b>	<b>Total cooling load calculation</b>	<b>65907 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	119.2 98000	Sensible (SHR = 0.75)	141.3 73500
Heat Pump + Auxiliary(0.0kW)	119.2 98000	Latent	176.2 24500
		Total (Electric Heat Pump)	148.7 98000

## WINTER CALCULATIONS

Winter Heating Load (for 8282 sqft)

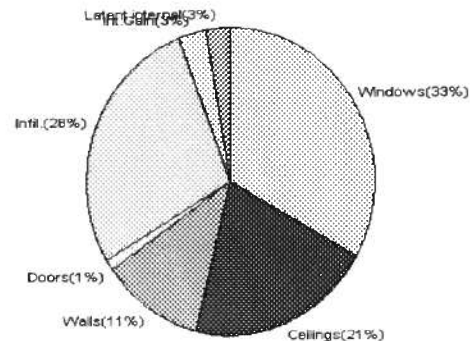
Load component			Load	
Window total	360	sqft	11588	Btuh
Wall total	2864	sqft	15886	Btuh
Door total	80	sqft	1036	Btuh
Ceiling total	8282	sqft	9759	Btuh
Floor total	413	sqft	18032	Btuh
Infiltration	640	cfm	25943	Btuh
Duct loss			0	Btuh
<b>Subtotal</b>			<b>82244</b>	<b>Btuh</b>
Ventilation	0	cfm	0	Btuh
<b>TOTAL HEAT LOSS</b>			<b>82244</b>	<b>Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 8282 sqft)

Load component			Load	
Window total	360	sqft	21838	Btuh
Wall total	2864	sqft	7428	Btuh
Door total	80	sqft	784	Btuh
Ceiling total	8282	sqft	13715	Btuh
Floor total			0	Btuh
Infiltration	331	cfm	6165	Btuh
Internal gain			2070	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
<b>Total sensible gain</b>			<b>52000</b>	<b>Btuh</b>
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			12107	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1800	Btuh
<b>Total latent gain</b>			<b>13907</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>			<b>65907</b>	<b>Btuh</b>



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *Ben Spaulding*

DATE: *3-20-06*

# System Sizing Calculations - Winter

## Residential Load - Whole House Component Details

Donald Shea  
888 SE Race Track Lane  
Lake City, FL 32025-

Project Title:  
410144Shea,DonaldAssistedLivingCenter

Class 3 Rating  
Registration No. 0  
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F  
This calculation is for Worst Case. The house has been rotated 315 degrees.

3/20/2006

### Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	210.0		32.2	6760 Btuh
2	2, Clear, Metal, 0.87	NE	60.0		32.2	1931 Btuh
3	2, Clear, Metal, 0.87	SE	90.0		32.2	2897 Btuh
	Window Total		360(sqft)			11588 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Concrete Blk, - Ext(0.15)	4.0	2864		5.5	15886 Btuh
	Wall Total		2864			15886 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		80		12.9	1036 Btuh
	Door Total		80			1036Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	8282		1.2	9759 Btuh
	Ceiling Total		8282			9759Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	413.0	ft(p)	43.7	18032 Btuh
	Floor Total		413			18032 Btuh
	Zone Envelope Subtotal:					56301 Btuh
Infiltration	Type	ACH	X	Zone Volume	CFM=	
	Natural	0.58		66256	640.5	25943 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					82244 Btuh

### WHOLE HOUSE TOTALS

	Subtotal Sensible	82244 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	82244 Btuh

# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Donald Shea  
888 SE Race Track Lane  
Lake City, FL 32025-

Project Title:  
410144Shea,DonaldAssistedLivingCenter

Class 3 Rating  
Registration No. 0  
Climate: North



Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear  
(Frame types - metal, wood or insulated metal)  
(U - Window U-Factor or 'DEF' for default)  
(HTM - ManualJ Heat Transfer Multiplier)

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

For Florida residences only

# System Sizing Calculations - Winter

## Residential Load - Room by Room Component Details

Donald Shea  
888 SE Race Track Lane  
Lake City, FL 32025-

Project Title:  
410144Shea,DonaldAssistedLivingCenter

Class 3 Rating  
Registration No. 0  
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F  
This calculation is for Worst Case. The house has been rotated 315 degrees.

3/20/2006

### Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	210.0		32.2	6760 Btuh
2	2, Clear, Metal, 0.87	NE	60.0		32.2	1931 Btuh
3	2, Clear, Metal, 0.87	SE	90.0		32.2	2897 Btuh
	Window Total		360(sqft)			11588 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Concrete Blk, - Ext(0.15)	4.0	2864		5.5	15886 Btuh
	Wall Total		2864			15886 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		80		12.9	1036 Btuh
	Door Total		80			1036Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	8282		1.2	9759 Btuh
	Ceiling Total		8282			9759Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	413.0	ft(p)	43.7	18032 Btuh
	Floor Total		413			18032 Btuh
	Zone Envelope Subtotal:					56301 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	0.58	66256	640.5		25943 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					82244 Btuh

### WHOLE HOUSE TOTALS

	Subtotal Sensible	82244 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	82244 Btuh

# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Donald Shea  
888 SE Race Track Lane  
Lake City, FL 32025-

Project Title:  
410144Shea,DonaldAssistedLivingCenter

Class 3 Rating  
Registration No. 0  
Climate: North

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear  
(Frame types - metal, wood or insulated metal)  
(U - Window U-Factor or 'DEF' for default)  
(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

# System Sizing Calculations - Summer

## Residential Load - Whole House Component Details

Donald Shea  
888 SE Race Track Lane  
Lake City, FL 32025-

Project Title:  
410144Shea,DonaldAssistedLivingCenter

Class 3 Rating  
Registration No. 0  
Climate: North

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

3/20/2006

### Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	210.0	0.0	210.0	29	60	12608	Btuh	
2	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	60.0	0.0	60.0	29	60	3602	Btuh	
3	2, Clear, 0.87, None,N,N	SE	1.5ft.	8ft.	90.0	0.0	90.0	29	63	5628	Btuh	
Window Total					360 (sqft)					21838 Btuh		
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load		
1	Concrete Blk, - Ext	4.0/0.15			2864.0			2.6		7428 Btuh		
Wall Total						2864 (sqft)					7428 Btuh	
Doors	Type				Area (sqft)			HTM		Load		
1	Insulated - Exterior				80.0			9.8		784 Btuh		
Door Total						80 (sqft)					784 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle	30.0			8282.0			1.7		13715 Btuh		
Ceiling Total						8282 (sqft)					13715 Btuh	
Floors	Type	R-Value			Size			HTM		Load		
1	Slab On Grade	0.0			413 (ft(p))			0.0		0 Btuh		
Floor Total						413.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:										43765 Btuh	
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load		
	SensibleNatural	0.30			66256			331.3		6165 Btuh		
Internal gain	Occupants			Btuh/occupant			Appliance		Load			
	9			X 230 +			0		2070 Btuh			
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)								DGM = 0.00		0.0 Btuh	
	Sensible Zone Load										52000 Btuh	



# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Donald Shea  
888 SE Race Track Lane  
Lake City, FL 32025-

Project Title:  
410144Shea,DonaldAssistedLivingCenter

Class 3 Rating  
Registration No. 0  
Climate: North

3/20/2006

### WHOLE HOUSE TOTALS

<b>Whole House Totals for Cooling</b>	<b>Sensible Envelope Load All Zones</b>	<b>52000 Btuh</b>
	Sensible Duct Load	0 Btuh
	<b>Total Sensible Zone Loads</b>	<b>52000 Btuh</b>
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	<b>Total sensible gain</b>	<b>52000 Btuh</b>
	Latent infiltration gain (for 54 gr. humidity difference)	12107 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (9 people @ 200 Btuh per person)	1800 Btuh
	Latent other gain	0 Btuh
	<b>Latent total gain</b>	<b>13907 Btuh</b>
	<b>TOTAL GAIN</b>	<b>65907 Btuh</b>

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



For Florida residences only

# System Sizing Calculations - Summer

## Residential Load - Room by Room Component Details

Donald Shea  
888 SE Race Track Lane  
Lake City, FL 32025-

Project Title:  
410144Shea,DonaldAssistedLivingCenter

Class 3 Rating  
Registration No. 0  
Climate: North

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

3/20/2006

### Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	210.0	0.0	210.0	29	60	12608	Btuh
2	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	60.0	0.0	60.0	29	60	3602	Btuh
3	2, Clear, 0.87, None,N,N	SE	1.5ft.	8ft.	90.0	0.0	90.0	29	63	5628	Btuh
Window Total					360 (sqft)					21838 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Concrete Blk, - Ext	4.0/0.15			2864.0			2.6		7428 Btuh	
Wall Total						2864 (sqft)					7428 Btuh
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				80.0			9.8		784 Btuh	
Door Total						80 (sqft)					784 Btuh
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0			8282.0			1.7		13715 Btuh	
Ceiling Total						8282 (sqft)					13715 Btuh
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	0.0			413 (ft(p))			0.0		0 Btuh	
Floor Total						413.0 (sqft)					0 Btuh
	Zone Envelope Subtotal:									43765 Btuh	
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load	
	SensibleNatural	0.30			66256			331.3		6165 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	9			X 230 +			0		2070 Btuh		
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									52000 Btuh	

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Donald Shea  
888 SE Race Track Lane  
Lake City, FL 32025-

Project Title:  
410144Shea,DonaldAssistedLivingCenter

Class 3 Rating  
Registration No. 0  
Climate: North

3/20/2006

### WHOLE HOUSE TOTALS

<b>Whole House Totals for Cooling</b>	<b>Sensible Envelope Load All Zones</b>	<b>52000 Btuh</b>
	Sensible Duct Load	0 Btuh
	<b>Total Sensible Zone Loads</b>	<b>52000 Btuh</b>
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	<b>Total sensible gain</b>	<b>52000 Btuh</b>
	Latent infiltration gain (for 54 gr. humidity difference)	12107 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (9 people @ 200 Btuh per person)	1800 Btuh
	Latent other gain	0 Btuh
	<b>Latent total gain</b>	<b>13907 Btuh</b>
	<b>TOTAL GAIN</b>	<b>65907 Btuh</b>

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



For Florida residences only

# Residential Window Diversity

## MidSummer

Donald Shea  
888 SE Race Track Lane  
Lake City, FL 32025-

Project Title:  
410144Shea,DonaldAssistedLivingCenter

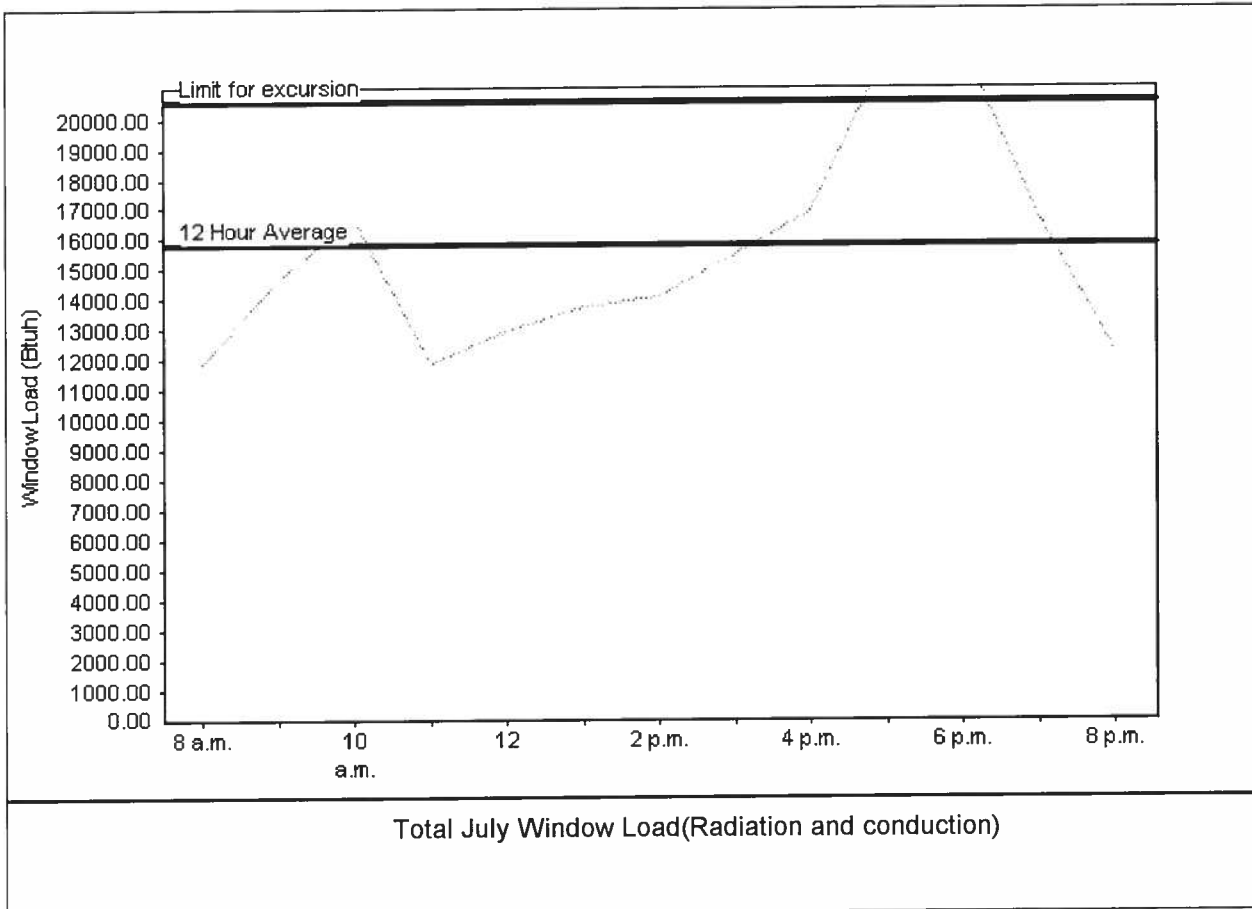
Class 3 Rating  
Registration No. 0  
Climate: North

3/20/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	15805 Btu
Summer setpoint	75 F	Peak window load for July	22358 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	20546 Btu
Latitude	29 North	Window excursion (July)	1812 Btuh

### WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida Residences only

PREPARED BY: *John J. J. J.*

DATE: *3-20-06*

EnergyGauge® FLR2PB v4.1



PREPARED BY/RETURN TO:  
William J. Haley, Esquire  
BRANNON, BROWN, HALEY,  
ROBINSON & BULLOCK, P.A.  
P. O. Box 1029  
Lake City, FL 32054-1029

Inst: 2002003620 Date: 02/20/2002 Time: 15:35:40  
Loc Stamp-Dead: 0.70  
MCK DC, P. DeWitt Cason, Columbia County B: 946 P: 2479

### **SPECIAL WARRANTY DEED**

**THIS INDENTURE**, made this 19<sup>th</sup> day of February, 2002, between **DONALD THOMAS SHEA**, who reside in Columbia County, Florida, hereinafter referred to as "Grantor", and **DONALD LEON SHEA**, whose mailing address is Route 6 Box 390, Lake City, Florida 32025 hereinafter referred to as Grantee.

### **WITNESSETH:**

That said Grantor, for and in consideration of the sum of \$1.00, Love and affection the receipt and sufficiency of which are hereby acknowledged, have granted, bargained and sold to the said Grantee, and Grantee's heirs and assigns forever, the following described land, lying, situate and being in Columbia County, Florida, to-wit:

### **TOWNSHIP 4 SOUTH - RANGE 17 EAST**

#### **SECTION 21:**

**E½ of E½ of NE¼ of SE¼, LESS AND EXCEPT** that part deeded to State of Florida, as contained in Deed recorded in Official Records Book 259, page 118, public records of Columbia County, Florida.

#### **SUBJECT TO:**

Taxes and special assessments for the year 2002 and subsequent years; restrictions, reservations, and easements of record; and zoning and any other governmental restrictions regulating the use of the lands.

#### **NB:**

Grantor reserves a life estate to himself on the life of the Grantor.


Donald Thomas Shea is the surviving widower of Irene J. Shea, deceased; and from September 29, 1980 until the death of Irene J. Shea, they were, and remained continuously, married.


**PARCEL NO.** \_\_\_\_\_

and said Grantors do hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, Grantors have caused these presents to be executed the day and year first above written.

Signed, sealed and delivered  
in the presence of:

  
Print Name: William S. Haley

  
Donald Thomas Shea


  
Print Name: JENNIFER L. WARNER

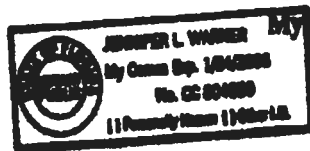
Inst:2002003620 Date:02/20/2002 Time:15:35:40  
Doc Stamp-Deed : 0.70  
MR DC, P. DeWitt Cason, Columbia County B:946 P:2480

STATE OF FLORIDA  
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 19<sup>th</sup> day of February, 2002 by Donald Thomas Shea who are personally known to me, or who produced Donald Thomas Shea and \_\_\_\_\_, respectively, as identification.

(NOTARIAL SEAL)

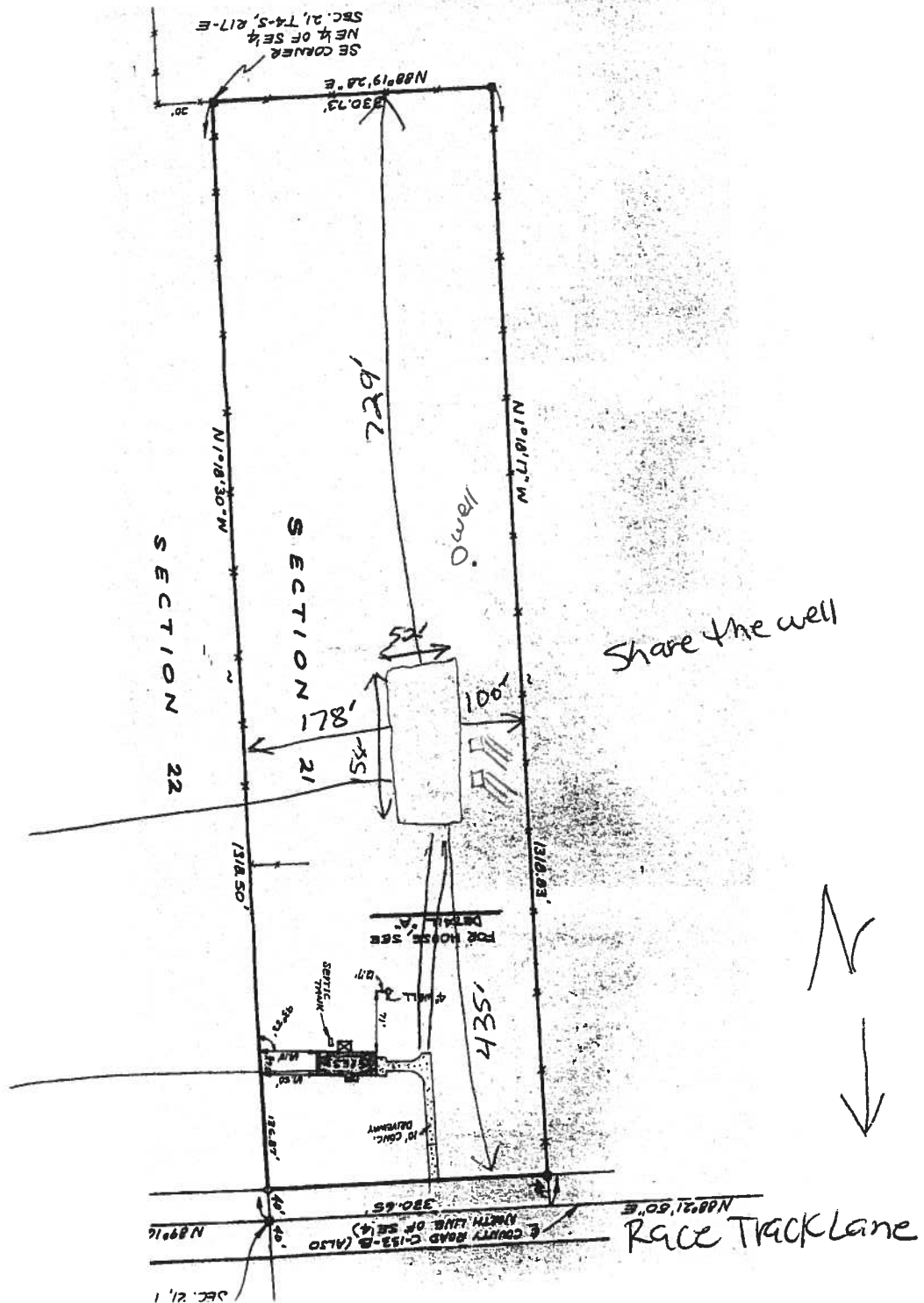
  
Notary Public-State of Florida  
My commission expires:



# Donald Shea Site Plan

Proposed dwelling

existing dwelling



# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

Project Name:	410144Shea,DonaldAssistedLivingCenter	Builder:	
Address:	888 SE Race Track Lane	Permitting Office:	
City, State:	Lake City, FL 32025-	Permit Number:	
Owner:	Donald Shea	Jurisdiction Number:	
Climate Zone:	North		

1. New construction or existing	New	___
2. Single family or multi-family	Single family	___
3. Number of units, if multi-family	1	___
4. Number of Bedrooms	6	___
5. Is this a worst case?	Yes	___
6. Conditioned floor area (ft²)	8282 ft²	___
7. Glass type <sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)		___
a. U-factor:	Description Area	
(or Single or Double DEFAULT)	7a. (Dble Default) 360.0 ft²	___
b. SHGC:		___
(or Clear or Tint DEFAULT)	7b. (Clear) 360.0 ft²	___
8. Floor types		___
a. Slab-On-Grade Edge Insulation	R=0.0, 413.0(p) ft	___
b. N/A		___
c. N/A		___
9. Wall types		___
a. Concrete, Int Insul, Exterior	R=4.0, 2864.0 ft²	___
b. N/A		___
c. N/A		___
d. N/A		___
e. N/A		___
10. Ceiling types		___
a. Under Attic	R=30.0, 8282.0 ft²	___
b. N/A		___
c. N/A		___
11. Ducts		___
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 280.0 ft	___
b. N/A		___
12. Cooling systems		___
a. Central Unit	Cap: 98.0 kBtu/hr SEER: 10.00	___
b. N/A		___
c. N/A		___
13. Heating systems		___
a. Electric Heat Pump	Cap: 98.0 kBtu/hr HSPF: 7.00	___
b. N/A		___
c. N/A		___
14. Hot water systems		___
a. Electric Resistance	Cap: 40.0 gallons EF: 0.93	___
b. N/A		___
c. Conservation credits	(HR-Heat recovery, Solar DHP-Dedicated heat pump)	___
15. HVAC credits	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	___

Glass/Floor Area: 0.04

Total as-built points: 79986

Total base points: 95316

PASS

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

PREPARED BY: Ben [Signature]  
DATE: 3-20-06

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

OWNER/AGENT: [Signature]  
DATE: 3-21-08

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

BUILDING OFFICIAL: \_\_\_\_\_  
DATE: \_\_\_\_\_



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



# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: 888 SE Race Track Lane, Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b>											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	8282.0	20.04	29874.8	Double, Clear	W	1.5	5.5	210.0	38.52	0.90	7256.0
				Double, Clear	N	1.5	5.5	60.0	19.20	0.93	1069.3
				Double, Clear	E	1.5	8.0	90.0	42.06	0.96	3625.0
				<b>As-Built Total:</b>				360.0			11950.3
<b>WALL TYPES</b> Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Concrete, Int Insul, Exterior	4.0			2864.0	1.15		3293.6
Exterior	2864.0	1.70	4868.8								
<b>Base Total:</b>				<b>As-Built Total:</b>				2864.0			3293.6
<b>DOOR TYPES</b> Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated				80.0	4.10		328.0
Exterior	80.0	4.10	328.0								
<b>Base Total:</b>				<b>As-Built Total:</b>				80.0			328.0
<b>CEILING TYPES</b> Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	8282.0	1.73	14327.9	Under Attic	30.0			8282.0	1.73 X 1.00		14327.9
<b>Base Total:</b>				<b>As-Built Total:</b>				8282.0			14327.9
<b>FLOOR TYPES</b> Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	413.0(p)	-37.0	-15281.0	Slab-On-Grade Edge Insulation	0.0			413.0(p)	-41.20		-17015.6
Raised	0.0	0.00	0.0								
<b>Base Total:</b>				<b>As-Built Total:</b>				413.0			-17015.6
<b>INFILTRATION</b> Area X BSPM = Points							Area X SPM = Points				
	8282.0	10.21	84559.2				8282.0	10.21			84559.2

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: 888 SE Race Track Lane, Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT									
Summer Base Points:118677.7				Summer As-Built Points:97443.4									
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Cooling Points
118677.7		0.4266	50627.9	(sys 1: Central Unit 98000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 97443 1.00 (1.09 x 1.147 x 0.91) 0.341 1.000 37837.3 97443.4 1.00 1.138 0.341 1.000 37837.3									

## WINTER CALCULATIONS

### Residential Whole Building Performance Method A - Details

ADDRESS: 888 SE Race Track Lane, Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Point				
.18	8282.0	12.74	18992.3	Double, Clear	W	1.5	5.5	210.0	20.73	1.03	4475.2
				Double, Clear	N	1.5	5.5	60.0	24.58	1.00	1479.0
				Double, Clear	E	1.5	8.0	90.0	18.79	1.02	1724.9
				As-Built Total:		360.0			7679.2		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM		= Points		
Adjacent	0.0	0.00	0.0	Concrete, Int Insul, Exterior		4.0	2864.0	6.50		18616.0	
Exterior	2864.0	3.70	10596.8								
Base Total:				2864.0		10596.8		As-Built Total:		2864.0	18616.0
DOOR TYPES Area X BWPM = Points				Type			Area X WPM		= Points		
Adjacent	0.0	0.00	0.0	Exterior Insulated			80.0	8.40		672.0	
Exterior	80.0	8.40	672.0								
Base Total:				80.0		672.0		As-Built Total:		80.0	672.0
CEILING TYPESArea X BWPM = Points				Type	R-Value		Area X WPM X WCM		= Points		
Under Attic	8282.0	2.05	16978.1	Under Attic		30.0	8282.0	2.05 X 1.00		16978.1	
Base Total:				8282.0		16978.1		As-Built Total:		8282.0	16978.1
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM		= Points		
Slab	413.0(p)	8.9	3675.7	Slab-On-Grade Edge Insulation		0.0	413.0(p)	18.80		7764.4	
Raised	0.0	0.00	0.0								
Base Total:				3675.7		413.0		As-Built Total:		7764.4	
INFILTRATION Area X BWPM = Points						Area X WPM		= Points			
8282.0 -0.59 -4886.4						8282.0 -0.59 -4886.4					

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: **888 SE Race Track Lane, Lake City, FL, 32025-**

PERMIT #:

BASE				AS-BUILT						
<b>Winter Base Points: 46028.5</b>				<b>Winter As-Built Points: 46823.3</b>						
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
<b>46028.5</b>		<b>0.6274</b>	<b>28878.3</b>	(sys 1: Electric Heat Pump 98000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0 46823.3	1.000	(1.069 x 1.169 x 0.93)	0.487	1.000	26509.0	
				<b>46823.3</b>	<b>1.00</b>	<b>1.162</b>	<b>0.487</b>	<b>1.000</b>	<b>26509.0</b>	

**WATER HEATING & CODE COMPLIANCE STATUS**

## Residential Whole Building Performance Method A - Details

ADDRESS: 888 SE Race Track Lane, Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank X	Multiplier X
Number of		Multiplier	=	Volume		Bedrooms		Ratio	Credit =
Bedrooms			Total						Multiplier
6		2635.00	15810.0	40.0	0.93	6		1.00	2606.67
									1.00
									15640.0
				As-Built Total:					15640.0

**CODE COMPLIANCE STATUS**

BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating
Points		Points		Points		Points	Points		Points
50628		28878		15810		95316	37837		26509
									15640
									79986

**PASS**

# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: 888 SE Race Track Lane, Lake City, FL, 32025-

PERMIT #:

**6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST**

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

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

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

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE\* = 85.9**

**The higher the score, the more efficient the home.**

Donald Shea, 888 SE Race Track Lane, Lake City, FL, 32025-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 98.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	6	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft <sup>2</sup> )	8282 ft <sup>2</sup>		
7. Glass type <sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 98.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 360.0 ft <sup>2</sup>		HSPF: 7.00
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 360.0 ft <sup>2</sup>	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 413.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.93
9. Wall types		b. N/A	
a. Concrete, Int Insul, Exterior	R=4.0, 2864.0 ft <sup>2</sup>	c. Conservation credits	
b. N/A		(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 8282.0 ft <sup>2</sup>	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 280.0 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<sup>TM</sup> 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](http://www.fsec.ucf.edu) for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

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