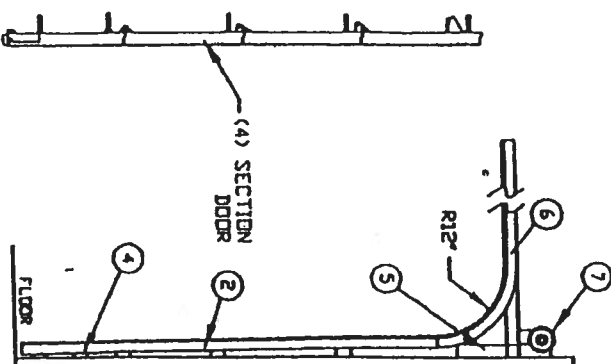
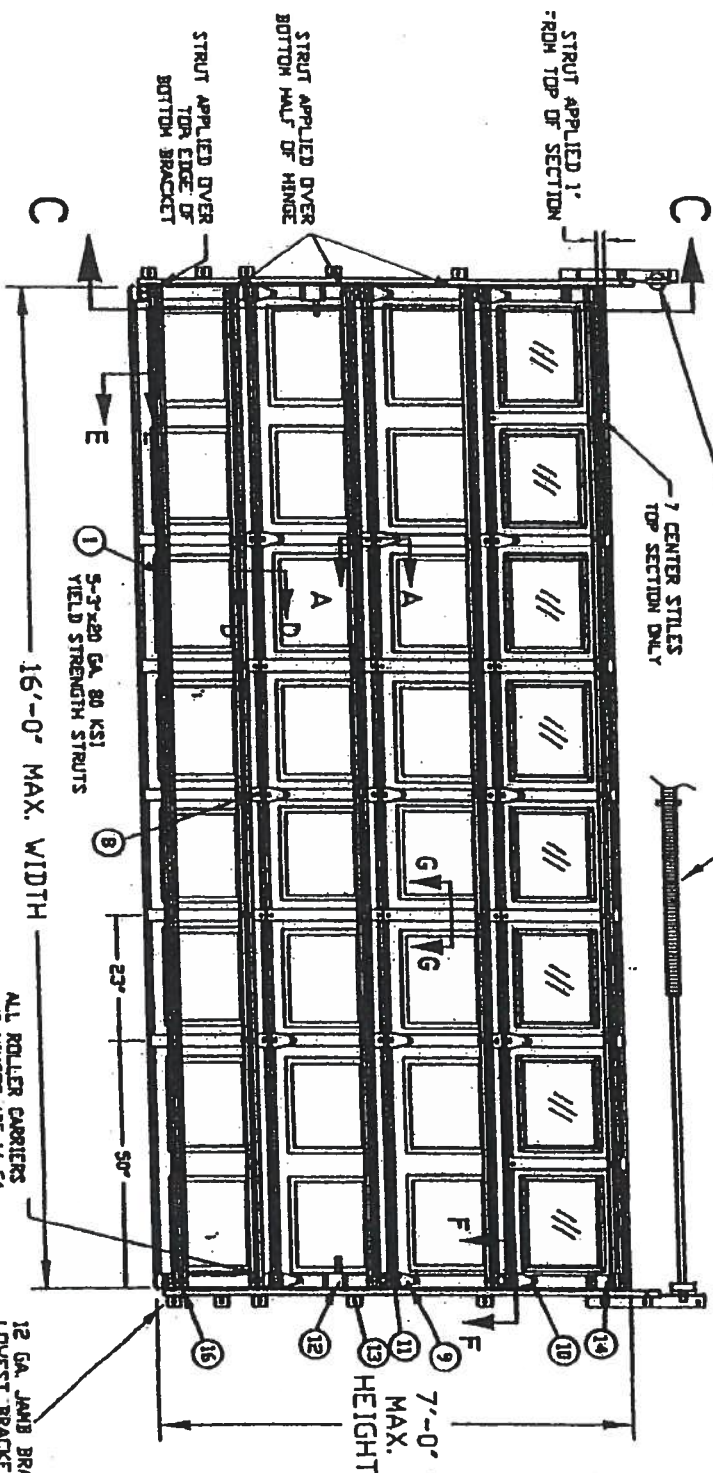


NOTES:

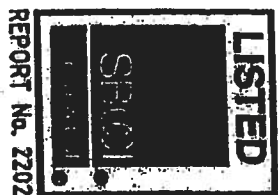
1. TESTED TO POSITIVE AND NEGATIVE 20 PSF SECTION AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT = 21'
3. SECTION HEIGHTS OF 210" AND 195" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION, AS TESTED WITH 1/2" INS GLASS OR EQUIVALENT OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MINIMUM LENGTH OF ROLLER STICH IS 51" (7' AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOWN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEX SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0, 1, OR 2 AS TESTED.
9. DOOR IN TYPE OF INSULATION IS OPTIONAL.

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



12 GA. JAMB BRACKETS, MAXIMUM SPACING = 19-1/2\"/>

INSIDE ELEVATION



REPORT No. 2202

TEST REPORTS ON FILE [VIDEO 10/19/00 (008933)]

GADCO DOORS
SERIES 7400, EXTERIOR STEEL = .017 MIN (AS TESTED)
SERIES 7625, EXTERIOR STEEL = .019 MIN
SERIES 7524, EXTERIOR STEEL = .024\"/>



GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

DESIGN LOAD +200 PSF & -200 PSF
TEST LOAD +300 PSF & -300 PSF

TESTED WITH WINDOWS	MAXIMUM DOOR HEIGHT	MAXIMUM DOOR WIDTH	TYPICAL GRT. STILE SPACING	STRUTS 80 KSI	VERTICAL TRACK
16'	7'	23'	3'	5	2 IN.

The seal on this drawing only represents the configurations and dimensions of the door as tested. Illustrations that the product(s) of

EMBER MASTER™

VENT-FREE GAS LOG HEATERS

The FMI Ember Master Gas Log Heaters offer you what ordinary gas logs and wood cannot... the warmth, cleanliness and economy of vent-free space heating combined with the beauty and convenience of gas logs. FMI's unique, clean burning design and precision positioned logs permit vent-free operation with the fireplace damper closed. With no venting required, there is no heat loss up the chimney. Plus they require no electricity, so you always have heat - even in the event of power outage.

A Model To Fit Every Need

FMI's Ember Master Gas Log Heaters are available in two log sizes: 18" and 24", each model is available in propane and natural gas. Choose from two types of controls: *Variable Manually Controlled Models* - Allow you to choose any heat setting and flame height desired by simply turning the control knob. *Remote Control "Ready" Models* - Offer you heat at the push of a button or the flip of a switch. FMI's Remote Control Ready Heaters offer you the choice of four types of remote controls as well as the ability to operate the log heater with a variable manual control. Optional remote accessories include: the hand held thermostat remote control, the hand held on/off remote control, the wall mount thermostat control and the wall mount on/off switch.

FMI Vent-Free Gas Logs install in any masonry, manufactured solid fuel burning fireplace, or AGA or UL certified Vent-Free Universal Firebox. All (manual variable) log heaters are also listed to the ANSI Z21.60 Vent-Free Log Decorative Standard.

Safety Features Built Into Every Gas Log Heater

FMI Vent-Free Gas Log Heaters are designed certified by the American Gas Association (ANSI Z21.11.2) and meet or exceed all regulations and safety performance standards for vent-free gas heaters. Additionally, these log heaters perform well within nationally recognized guidelines for indoor air quality.

The dual-purpose safety pilot system protects against oxygen depletion and any interruption in the fuel supply. If either occurs, it shuts off the gas flow to the burner turning the heater off. An internal pressure regulator controls fluctuations in your gas pressure. These features ensure clean and reliable heat without the worry and inconvenience of vented gas logs or burning wood.

Log Size	No. of Logs	Part/Model Number		Btu Output	Shipping Wt.
		Natural	Propane		
Variable Manually Controlled Models					
18"	5	01984/VFN18MV	01985/VFP18MV	16,000 to 26,000	26 Lbs.
24"	6	01986/VFN24MV	01987/VFP24MV	20,000 to 33,000	28 Lbs.
Remote Control Ready/Universal Models					
18"	5	01988/VFN18R	01989/VFP18R	16,000 to 26,000	32 Lbs.
24"	6	01990/VFN24R	01991/VFP24R	20,000 to 33,000	34 Lbs.
Remote Control Accessories (Must be purchased Separately)					
Part/Model Number		Description			
01994/FHRC		Receiver and Hand Held Thermostat Remote Control Kit			3 Lbs.
01995/FHRC		Receiver and Hand Held On/Off Remote Control Kit			3 Lbs.
01996/FWMT1		Wall Mount Thermostat Control Kit			1Lb.
01997/FWMS2		Wall Mount - On/Off Switch Kit			11b.
Accessories					
01244/HDABK		Hood - Flat Black Enamel - Adjustable 28" to 49"			5 Lbs.
01245/HDABR		Hood - Polished Solid Brass - Adjustable 28" to 49"			5 Lbs.

Log Sizing Requirements

Log Size	Minimum Firebox Size				Gas Connection
	Height	Depth	Front Width	Rear Width at 14" Depth	
18"	17"	14"	20"	20"	1/2" NPT
24"	17"	14"	26"	21"	1/2" NPT

A fireplace hood accessory may be required to deflect heat away from the mantel shelf. Fit fireplace openings from 28" to 49" wide. Install easily with glass doors or to the left of the fireplace opening. Refer to the Ember Master Vent-Free Gas Log Owner's Manual for more details.

IMPORTANT

- Installation must be done by qualified service persons.
- Read Owners Manual before using.
- Check local codes and ordinances for permitted uses.
- Approved for manufactured (mobile) home installation. Not for use in recreational vehicles.
- We reserve the right to amend product specifications without notice.
- Use with adequate air (ventilation) only. Humidifier while a heater.
- Provides water vapor in the area heated. Refer to Owner's Manual for specifics.
- Operating heater at very high elevations could cause nuisance outage. Product cannot be converted between fuel types.
- The only warranty we offer is our standard warranty.
- Please read the warranty for any limitations or disclaimers.
- All products carry a one year warranty.



Made in U.S.A.



For More Information
Call 1-800-888-2050

PN #5548B 5/99 Printed in U.S.A.
<http://www.fmionline.com>

Residential System Sizing Calculation

Summary

Mediterranean Model Spec House
, FL

Project Title:
711296LipscombEagleDevelopment

Class 3 Rating
Registration No. 0
Climate: North

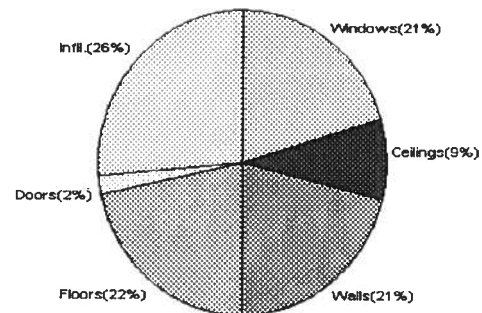
12/14/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	37677 Btuh	Total cooling load calculation	32987 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	116.8 44000	Sensible (SHR = 0.50)	82.0 22000
Heat Pump + Auxiliary(0.0kW)	116.8 44000	Latent	357.7 22000
		Total (Electric Heat Pump)	133.4 44000

WINTER CALCULATIONS

Winter Heating Load (for 2747 sqft)

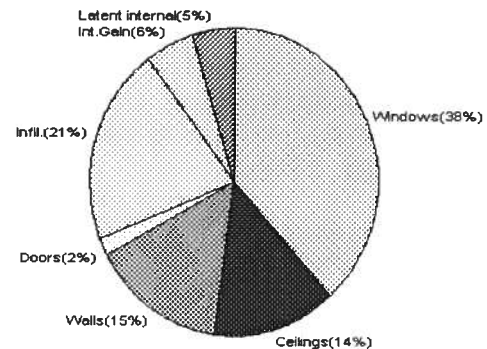
Load component			Load	
Window total	241 sqft		7742	Btuh
Wall total	2426 sqft		7965	Btuh
Door total	60 sqft		777	Btuh
Ceiling total	2747 sqft		3237	Btuh
Floor total	187 sqft		8164	Btuh
Infiltration	242 cfm		9792	Btuh
Duct loss			0	Btuh
Subtotal			37677	Btuh
Ventilation	0 cfm		0	Btuh
TOTAL HEAT LOSS			37677	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2747 sqft)

Load component			Load	
Window total	241 sqft		12637	Btuh
Wall total	2426 sqft		4905	Btuh
Door total	60 sqft		588	Btuh
Ceiling total	2747 sqft		4549	Btuh
Floor total			0	Btuh
Infiltration	125 cfm		2318	Btuh
Internal gain			1840	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0 cfm		0	Btuh
Total sensible gain			26836	Btuh
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			4551	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1600	Btuh
Total latent gain			6151	Btuh
TOTAL HEAT GAIN			32987	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *[Signature]*

DATE: 12-14-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Mediterranean Model Spec House

Project Title:
711296LipscombEagleDevelopment

Class 3 Rating
Registration No. 0
Climate: North

, FL

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

12/14/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	80.0		32.2	2575 Btuh
2	2, Clear, Metal, 0.87	W	10.0		32.2	322 Btuh
3	2, Clear, Metal, 0.87	NW	10.0		32.2	322 Btuh
4	2, Clear, Metal, 0.87	N	10.0		32.2	322 Btuh
5	2, Clear, Metal, 0.87	NE	12.5		32.2	402 Btuh
6	2, Clear, Metal, 0.87	NE	20.0		32.2	644 Btuh
7	2, Clear, Metal, 0.87	SE	20.0		32.2	644 Btuh
8	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
9	2, Clear, Metal, 0.87	SE	4.7		32.2	151 Btuh
10	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
11	2, Clear, Metal, 0.87	SW	13.3		32.2	428 Btuh
Window Total			241(sqft)			7742 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2158		3.3	7085 Btuh
2	Frame - Wood - Adj(0.09)	13.0	268		3.3	880 Btuh
Wall Total			2426			7965 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		40		12.9	518 Btuh
Door Total			60			777Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2747		1.2	3237 Btuh
Ceiling Total			2747			3237Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	187.0 ft(p)		43.7	8164 Btuh
Floor Total			187			8164 Btuh
Zone Envelope Subtotal:						27886 Btuh
Infiltration	Type	ACH X	Zone Volume		CFM=	
	Natural	0.66	21976		241.7	9792 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					37677 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Mediterranean Model Spec House

Project Title:

Class 3 Rating

711296LipscombEagleDevelopment

Registration No. 0

, FL

Climate: North

12/14/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	37677 Btuh 0 Btuh 37677 Btuh
--	--	------------------------------------

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

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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



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Residential Load - Room by Room Component Details

Mediterranean Model Spec House

711296LipscombEagleDevelopment

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.

12/14/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	80.0		32.2	2575 Btuh
2	2, Clear, Metal, 0.87	W	10.0		32.2	322 Btuh
3	2, Clear, Metal, 0.87	NW	10.0		32.2	322 Btuh
4	2, Clear, Metal, 0.87	N	10.0		32.2	322 Btuh
5	2, Clear, Metal, 0.87	NE	12.5		32.2	402 Btuh
6	2, Clear, Metal, 0.87	NE	20.0		32.2	644 Btuh
7	2, Clear, Metal, 0.87	SE	20.0		32.2	644 Btuh
8	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
9	2, Clear, Metal, 0.87	SE	4.7		32.2	151 Btuh
10	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
11	2, Clear, Metal, 0.87	SW	13.3		32.2	428 Btuh
	Window Total		241(sqft)			7742 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2158		3.3	7085 Btuh
2	Frame - Wood - Adj(0.09)	13.0	268		3.3	880 Btuh
	Wall Total		2426			7965 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		40		12.9	518 Btuh
	Door Total		60			777Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2747		1.2	3237 Btuh
	Ceiling Total		2747			3237Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	187.0 ft(p)		43.7	8164 Btuh
	Floor Total		187			8164 Btuh
	Zone Envelope Subtotal:					27886 Btuh
Infiltration	Type	ACH	X	Zone Volume	CFM=	
	Natural	0.66		21976	241.7	9792 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					37677 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Mediterranean Model Spec House

Project Title:

Class 3 Rating

711296LipscombEagleDevelopment

Registration No. 0

, FL

Climate: North

12/14/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	37677 Btuh 0 Btuh 37677 Btuh
--	--	------------------------------------

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

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Mediterranean Model Spec House

Project Title:

711296LipscombEagleDevelopment

Class 3 Rating

Registration No. 0

Climate: North

, FL

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

12/14/2007

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

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.	0ft.	80.0	0.0	80.0	29	60	4803	Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft.	0ft.	10.0	10.0	0.0	29	80	290	Btuh
3	2, Clear, 0.87, None,N,N	NW	1.5ft.	0ft.	10.0	0.0	10.0	29	60	600	Btuh
4	2, Clear, 0.87, None,N,N	N	1.5ft.	0ft.	10.0	0.0	10.0	29	29	290	Btuh
5	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	12.5	0.0	12.5	29	60	750	Btuh
6	2, Clear, 0.87, None,N,N	NE	1.5ft.	10.7	20.0	0.0	20.0	29	60	1201	Btuh
7	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	20.0	8.1	11.9	29	63	979	Btuh
8	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	30.0	12.1	17.9	29	63	1468	Btuh
9	2, Clear, 0.87, None,N,N	SE	1.5ft.	2.5ft.	4.7	4.7	0.0	29	63	136	Btuh
10	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	30.0	12.1	17.9	29	63	1468	Btuh
11	2, Clear, 0.87, None,N,N	SW	1.5ft.	5.5ft.	13.3	5.4	7.9	29	63	651	Btuh
	Window Total				241 (sqft)					12637 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext			13.0/0.09	2157.5			2.1		4500 Btuh	
2	Frame - Wood - Adj			13.0/0.09	268.0			1.5		404 Btuh	
	Wall Total				2426 (sqft)					4905 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Adjacent				20.0			9.8		196 Btuh	
2	Insulated - Exterior				40.0			9.8		392 Btuh	
	Door Total				60 (sqft)					588 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle			30.0	2747.0			1.7		4549 Btuh	
	Ceiling Total				2747 (sqft)					4549 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade			0.0	187 (ft(p))			0.0		0 Btuh	
	Floor Total				187.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									22679 Btuh	
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load	
	SensibleNatural			0.34	21976			124.5		2318 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
			8	X	230	+		0	1840 Btuh		
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									26836 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Mediterranean Model Spec House

Project Title:

Class 3 Rating

711296LipscombEagleDevelopment

Registration No. 0

, FL

Climate: North

12/14/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	26836 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	26836 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	26836 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4551 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6151 Btuh
	TOTAL GAIN	32987 Btuh

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

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

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

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

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

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

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Mediterranean Model Spec House

Project Title:

711296LipscombEagleDevelopment

Class 3 Rating

Registration No. 0

Climate: North

, FL

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

12/14/2007

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	0ft.	80.0	0.0	80.0	29	60	4803	Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft.	0ft.	10.0	10.0	0.0	29	80	290	Btuh
3	2, Clear, 0.87, None,N,N	NW	1.5ft.	0ft.	10.0	0.0	10.0	29	60	600	Btuh
4	2, Clear, 0.87, None,N,N	N	1.5ft.	0ft.	10.0	0.0	10.0	29	29	290	Btuh
5	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	12.5	0.0	12.5	29	60	750	Btuh
6	2, Clear, 0.87, None,N,N	NE	1.5ft.	10.7	20.0	0.0	20.0	29	60	1201	Btuh
7	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	20.0	8.1	11.9	29	63	979	Btuh
8	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	30.0	12.1	17.9	29	63	1468	Btuh
9	2, Clear, 0.87, None,N,N	SE	1.5ft.	2.5ft.	4.7	4.7	0.0	29	63	136	Btuh
10	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	30.0	12.1	17.9	29	63	1468	Btuh
11	2, Clear, 0.87, None,N,N	SW	1.5ft.	5.5ft.	13.3	5.4	7.9	29	63	651	Btuh
	Window Total				241 (sqft)					12637 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)		HTM		Load		
1	Frame - Wood - Ext		13.0/0.09		2157.5		2.1		4500 Btuh		
2	Frame - Wood - Adj		13.0/0.09		268.0		1.5		404 Btuh		
	Wall Total				2426 (sqft)				4905 Btuh		
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Adjacent				20.0		9.8		196 Btuh		
2	Insulated - Exterior				40.0		9.8		392 Btuh		
	Door Total				60 (sqft)				588 Btuh		
Ceilings	Type/Color/Surface		R-Value		Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle		30.0		2747.0		1.7		4549 Btuh		
	Ceiling Total				2747 (sqft)				4549 Btuh		
Floors	Type		R-Value		Size		HTM		Load		
1	Slab On Grade		0.0		187 (ft(p))		0.0		0 Btuh		
	Floor Total				187.0 (sqft)				0 Btuh		
	Zone Envelope Subtotal:									22679 Btuh	
Infiltration	Type		ACH		Volume(cuft)		CFM=		Load		
	SensibleNatural		0.34		21976		124.5		2318 Btuh		
Internal gain			Occupants		Btuh/occupant		Appliance		Load		
			8		X 230 +		0		1840 Btuh		
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									26836 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Mediterranean Model Spec House

Project Title:

Class 3 Rating

711296LipscombEagleDevelopment

Registration No. 0

, FL

Climate: North

12/14/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	26836 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	26836 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	26836 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4551 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6151 Btuh
	TOTAL GAIN	32987 Btuh

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

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

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

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

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

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

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Mediterranean Model Spec House

Project Title:
711296LipscombEagleDevelopment

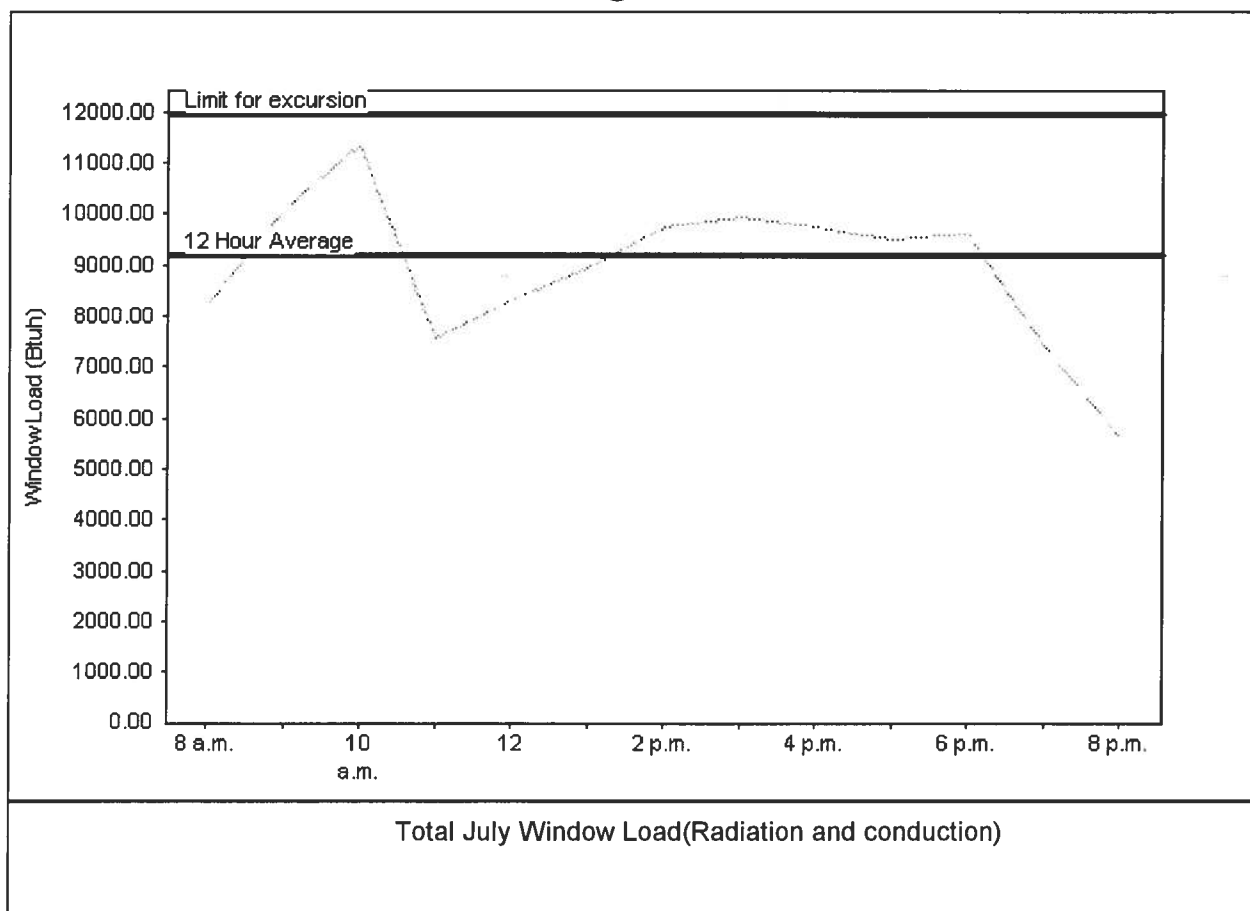
Class 3 Rating
Registration No. 0
Climate: North

12/14/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	9197 Btuh
Summer setpoint	75 F	Peak window load for July	11356 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	11956 Btu
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: *[Signature]*

DATE: 12-14-07

EnergyGauge® FLR2PB v4.1



PRODUCT APPROVAL SPECIFICATION SHEET

Location:

Project Name:

26558
80

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	MASONITE	FIBERGLASS SIDE-HINGED DOOR	5507
2. Sliding			
3. Sectional	ALCRAFT GARAGE DOORS	18'x7' GARAGE DOOR	2792
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	CAPITAL	SINGLE HUNG WINDOWS	6751
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	TAMKO	3TAB ASPHALT SHINGLES	1956
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			