

**FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION**

Florida Department of Business and Professional Regulation - Residential Performance Method

<b>Project Name</b> Tommy and Truddy Coppage Residence <b>Street</b> <b>City, State, Zip</b> Ft White, FL, <b>Owner</b> <b>Design Location</b> FL, Jacksonville	<b>Builder Name</b> <b>Permit Office</b> Columbia <b>Permit Number</b> <b>Jurisdiction</b> 221000
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Glass/Floor Area 0 107	Total Proposed Modified Loads 29 09	<b>PASS</b>
	Total Standard Reference Loads 40 24	

  

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code <div style="text-align: right; margin-right: 50px;">   <b>Ryan B. Ellis</b> </div> PREPARED BY _____ DATE 7/30/13	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 _____
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I hereby certify that this building, as designed, is in compliance with the Florida Energy Code  OWNER/AGENT DATE 8/18/13	  
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- Compliance requires completion of a Florida Air Barrier and Insulation Inspection Checklist

PROJECT												
Title	Tommy and Truddy Coppage R	Bedrooms	2	Address Type		Street Address						
Building Type	User	Conditioned Area	2000	Lot #								
Owner		Total Stories	1	Block/SubDivision								
# of Units	1	Worst Case	No	PlatBook								
Builder Name		Rotate Angle	0	Street.								
Permit Office	Columbia	Cross Ventilation		County		Columbia						
Jurisdiction	221000	Whole House Fan		City, State Zip		Ft White FL						
Family Type	Single-family											
New/Existing	New (From Plans)											
Comment												
CLIMATE												
✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	2.5 %	Int Design Temp Winter	Summer	Heating Degree Days	Design Moisture	Daily Temp Range		
_____	FL, Jacksonville	FL_JACKSONVILLE_INT	2	32	93	70	75	1281	49	Medium		
BLOCKS												
	Number	Name	Area	Volume								
	1	Block1	1600	12800								
	2	Block2	400	3200								
SPACES												
	Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated	
	1	Main	1600	12800	Yes	2	2	1	Yes	Yes	Yes	
	2	Shop	400	3200	No	0	0	1	Yes	Yes	Yes	
FLOORS												
✓	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet		
_____	1	Slab-On-Grade Edge Insulation	Main	170 ft	0	1600 ft²	----	0	0	1		
_____	2	Slab-On-Grade Edge Insulation	Shop	80 ft	0	400 ft²	----	0	0	1		
ROOF												
✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor	SA Tested	Emitt	Emitt Tested	Deck Insul	Pitch (deg)
_____	1	Hip	Composition shingles	2166 ft²	0 ft²	Medium	0.96	No	0.9	No	0	22.6
ATTIC												
✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC					
_____	1	Full attic	Vented	300	2000 ft²	N	N					

CEILING												
✓	#	Ceiling Type		Space	R-Value	Area	Framing		Frac		Truss Type	
✓	1	Under Attic (Vented)		Main	30	1647 ft²	0		11		Wood	
✓	2	Knee Wall (Vented)		Main	19	58 ft²	0		11		Wood	
✓	3	Under Attic (Vented)		Shop	30	400 ft²	0		11		Wood	

  

WALLS															
✓	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
✓	1	W	Exterior	Frame - Wood	Main	13	57		8		456 0 ft²		0 23	0 75	0
✓	2	S	Exterior	Frame - Wood	Main	13	28		8		224 0 ft²		0 23	0 75	0
✓	3	E	Exterior	Frame - Wood	Main	13	57		8		456 0 ft²		0 23	0 75	0
✓	4	N	Exterior	Frame - Wood	Main	13	28		8		224 0 ft²		0 23	0 75	0
✓	5	W	Exterior	Frame - Wood	Shop	13	20		8		160 0 ft²		0 23	0 75	0
✓	6	S	Exterior	Frame - Wood	Shop	13	20		8		160 0 ft²		0 23	0 75	0
✓	7	E	Exterior	Frame - Wood	Shop	13	20		8		160 0 ft²		0 23	0 75	0
✓	8	N	Exterior	Frame - Wood	Shop	13	20		8		160 0 ft²		0 23	0 75	0

  

DOORS											
✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
✓	1	W	Wood	Main	None	0 460000	1 5		6 7		10 04999
✓	2	S	Wood	Main	None	0 460000	1 25		6 7		8 375 ft²
✓	3	S	Wood	Main	None	0 460000	1 25		6 7		8 375 ft²
✓	4	E	Wood	Main	None	0 460000	1 25		6 7		8 375 ft²
✓	5	E	Wood	Main	None	0 460000	1 25		6 7		8 375 ft²
✓	6	E	Wood	Main	None	0 460000	1 25		6 7		8 375 ft²
✓	7	E	Wood	Main	None	0 460000	1 25		6 7		8 375 ft²
✓	8	E	Wood	Main	None	0 460000	1 5		6 7		10 04999
✓	9	W	Wood	Shop	None	0 460000	1 25		6 7		8 375 ft²
✓	10	W	Wood	Shop	None	0 460000	1 25		6 7		8 375 ft²

  

WINDOWS													
Orientation shown is the entered, Proposed orientation													
✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Overhang Depth	Separation	Int Shade	Screening
✓	1	W	1	Vinyl	Low-E Double	Yes	0 55	0 5	15 0 ft²	8 ft 0 in	1 ft 0 in	Drapes/blinds	None
✓	2	W	1	Vinyl	Low-E Double	Yes	0 55	0 5	15 0 ft²	8 ft 0 in	1 ft 0 in	Drapes/blinds	None
✓	3	W	1	Vinyl	Low-E Double	Yes	0 55	0 5	10 0 ft²	8 ft 0 in	1 ft 0 in	Drapes/blinds	None
✓	4	W	1	Vinyl	Low-E Double	Yes	0 55	0 5	16 0 ft²	8 ft 0 in	1 ft 0 in	Drapes/blinds	None
✓	5	S	2	Vinyl	Low-E Double	Yes	0 55	0 5	16 8 ft²	8 ft 0 in	1 ft 0 in	Drapes/blinds	None
✓	6	E	3	Vinyl	Low-E Double	Yes	0 55	0 5	33 5 ft²	1 3 ft 0 in	1 ft 0 in	Drapes/blinds	None
✓	7	E	3	Vinyl	Low-E Double	Yes	0 55	0 5	10 0 ft²	1 3 ft 0 in	1 ft 0 in	Drapes/blinds	None
✓	8	E	3	Vinyl	Low-E Double	Yes	0 55	0 5	12 0 ft²	1 3 ft 0 in	2 ft 0 in	Drapes/blinds	None
✓	9	N	4	Vinyl	Low-E Double	Yes	0 55	0 5	9 0 ft²	8 ft 0 in	1 ft 0 in	Drapes/blinds	None
✓	10	W	5	Vinyl	Low-E Double	Yes	0 55	0 5	15 0 ft²	5 3 ft 0 in	1 ft 0 in	Drapes/blinds	None
✓	11	W	5	Vinyl	Low-E Double	Yes	0 55	0 5	16 8 ft²	5 3 ft 0 in	1 ft 0 in	Drapes/blinds	None

WINDOWS													
Orientation shown is the entered, Proposed orientation													
✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Overhang Depth	Separation	Int Shade	Screening
✓	12	S	6	Vinyl	Low-E Double	Yes	0.55	0.5	15.0 ft²	1.3 ft 0 in	1 ft 0 in	Drapes/blinds	None
✓	13	E	7	Vinyl	Low-E Double	Yes	0.55	0.5	15.0 ft²	1.3 ft 0 in	1 ft 0 in	Drapes/blinds	None
✓	14	N	8	Vinyl	Low-E Double	Yes	0.55	0.5	15.0 ft²	1.3 ft 0 in	1 ft 0 in	Drapes/blinds	None

INFILTRATION								
#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Best Guess	0.000500	2623.01	144	270.813	0.38500	9.83630

HEATING SYSTEM								
✓	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts	
✓	1	Electric Heat Pump	None	HSPF 8	27 kBtu/hr	1	sys#1	
✓	2	Electric Heat Pump	None	HSPF 10	14.4 kBtu/hr	2	Ductless	

COOLING SYSTEM									
✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
✓	1	Central Unit	None	SEER 13	28 kBtu/hr	840 cfm	0.75	1	sys#1
✓	2	Central Unit	None	SEER 20.25	12 kBtu/hr	360 cfm	0.75	2	Ductless

HOT WATER SYSTEM									
✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
✓	1	Propane	Tankless	Exterior	0.75	1 gal	50 gal	120 deg	None

SOLAR HOT WATER SYSTEM							
✓	FSEC	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
✓	None	None			ft²		

DUCTS											
✓	#	Location	Supply R-Value	Area	Location	Return Area	Leakage Type	Air Handler	CFM25 IN	CFM25 OUT	HVAC # Heat Cool
✓	1	Attic	6	208 ft²	Attic	50 ft²	Default Leakage	Attic	cfm	(Default) c	1 1

# TEMPERATURES

Programable Thermostat. Y

Ceiling Fans

Cooling	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec
Venting	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input type="checkbox"/> Dec

Thermostat Schedule		HERS 2006 Reference											
Schedule Type		Hours											
		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

# Florida Code Compliance Checklist

Florida Department of Business and Professional Regulations  
Residential Whole Building Performance Method

ADDRESS Ft. White, FL,	PERMIT #
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**MANDATORY REQUIREMENTS SUMMARY - See individual code sections for full details.**

COMPONENT	SECTION	SUMMARY OF REQUIREMENT(S)	CHECK
Air leakage	402 4	To be caulked, gasketed, weatherstripped or otherwise sealed Recessed lighting IC-rated as meeting ASTM E 283 Windows and doors = 0.30 cfm/sq ft Testing or visual inspection required Fireplaces gasketed doors & outdoor combustion air Must complete envelope leakage report or visually verify Table 402 4 2	X
Thermostat & controls	403 1	At least one thermostat shall be provided for each separate heating and cooling system Where forced-air furnace is primary system, programmable thermostat is required Heat pumps with supplemental electric heat must prevent supplemental heat when compressor can meet the load	X
Ducts	403 2 2 403 3 3	All ducts, air handlers, filter boxes and building cavities which form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section 503 2 7 2 of this code Building framing cavities shall not be used as supply ducts	X
Water heaters	403 4	Heat trap required for vertical pipe risers Comply with efficiencies in Table 403 4 3 2 Provide switch or clearly marked circuit breaker (electric) or shutoff (gas) Circulating system pipes insulated to = R-2 + accessible manual OFF switch	X
Mechanical ventilation	403 5	Homes designed to operate at positive pressure or with mechanical ventilation systems shall not exceed the minimum ASHRAE 62 level No make-up air from attics, crawlspaces, garages or outdoors adjacent to pools or spas	
Swimming Pools & Spas	403 9	Pool pumps and pool pump motors with a total horsepower (HP) of = 1 HP shall have the capability of operating at two or more speeds Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy Off/timer switch required Gas heaters minimum thermal efficiency=78% (82% after 4/16/13) Heat pump pool heaters minimum COP= 4.0	
Cooling/heating equipment	403 6	Sizing calculation performed & attached Minimum efficiencies per Tables 503 2 3 Equipment efficiency verification required Special occasion cooling or heating capacity requires separate system or variable capacity system Electric heat >10kW must be divided into two or more stages	X
Ceilings/knee walls	405 2 1	R-19 space permitting	X

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX\* = 72

The lower the EnergyPerformance Index, the more efficient the home

, Ft White, FL,

1 New construction or existing	New (From Plans)	9 Wall Types	Insulation	Area
2 Single family or multiple family	Single-family	a Frame - Wood, Exterior	R=13 0	2000 00 ft²
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a U-Factor	Dbl, U=0 55	b Knee Wall (Vented)	R=19 0	58 00 ft²
SHGC	SHGC=0 50	c N/A	R=	ft²
b U-Factor	N/A	11 Ducts		R ft²
SHGC		a Sup Attic, Ret Attic AH Attic		6 208
c U-Factor	N/A	12 Cooling systems	kBtu/hr	Efficiency
SHGC		a Central Unit	28 0	SEER 13 00
d U-Factor	N/A	b Central Unit	12 0	SEER 20 25
SHGC		13 Heating systems	kBtu/hr	Efficiency
Area Weighted Average Overhang Depth	4 453 ft	a Electric Heat Pump	27 0	HSPF 8 00
Area Weighted Average SHGC	0 500	b Electric Heat Pump	14 4	HSPF 10 00
8 Floor Types	Insulation	Area	14 Hot water systems	Cap 1 gallons
a Slab-On-Grade Edge Insulation	R=0 0	2000 00 ft²	a Propane	EF 0 75
b N/A	R=	ft²	b Conservation features	
c N/A	R=	ft²	None	
			15 Credits	Pstat

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 [Signature] Date 8-18-13  
Address of New Home 259 SW Mystic Way City/FL Zip Fort white  
FL. 32038



\*Note This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida EnergyGauge Rating. Contact the EnergyGauge Hotline at (321) 638-1492 or see the EnergyGauge web site at energygauge.com for information and a list of certified Raters. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

\*\*Label required by Section 303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

TABLE 402.4.2

## AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

Project Name Tommy and Truddy Coppage Residence Street. City, State, Zip Ft White , FL , Owner Design Location FL, Jacksonville			Builder Name Permit Office Columbia Permit Number Jurisdiction 221000		
COMPONENT	CRITERIA				CHECK
Air barrier and thermal barrier	Exterior thermal envelope insulation for framed walls is installed in substantial contact and continuous alignment with building envelope air barrier Breaks or joints in the air barrier are filled or repaired Air-permeable insulation is not used as a sealing material Air-permeable insulation is inside of an air barrier				
Ceiling/attic	Air barrier in any dropped ceiling/soffit is substantially aligned with insulation and any gaps are sealed Attic access (except unvented attic), knee wall door, or drop down stair is sealed				
Walls	Corners and headers are insulated Junction of foundation and sill plate is sealed				
Windows and doors	Space between window/door jambs and framing is sealed				
Rim joists	Rim joists are insulated and include an air barrier				
Floors (including above-garage and cantilevered floors)	Insulation is installed to maintain permanent contact with underside of subfloor decking				
Crawl space walls	Insulation is permanently attached to walls Exposed earth in unvented crawl spaces is covered with Class I				
Shafts, penetrations	Duct shafts, utility penetrations, knee walls and flue shafts opening to exterior or unconditioned space are sealed				
Narrow cavities	Batts in narrow cavities are cut to fit, or narrow cavities are filled by sprayed/blown insulation				
Garage separation	Air sealing is provided between the garage and conditioned spaces				
Recessed lighting	Recessed light fixtures are air tight, IC rated, and sealed to drywall Exception—fixtures in conditioned space				
Plumbing and wiring	Insulation is placed between outside and pipes Batt insulation is cut to fit around wiring and plumbing, or sprayed/blown insulation				
Shower/tub on exterior wall	Showers and tubs on exterior walls have insulation and an air barrier separating them from the exterior wall				
Electrical/phone box on	Air barrier extends behind boxes or air sealed-type boxes are installed				
Common wall	Air barrier is installed in common wall between dwelling units				
HVAC register boots	HVAC register boots that penetrate building envelope are sealed to subfloor or drywall				
Fireplace	Fireplace walls include an air barrier				



**Project Summary**  
**Zone Main House**  
**Energy Design Systems, Inc.**

Job:  
Date: 7/30/13  
By: M. Ellis

12132 Weatherwood Estates Dr W Jacksonville FL 32223 Phone 904-268-3670 Fax: 904-268-3670 Email eds.jax@gmail.com

**Project Information**

For: Coppage Residence  
Ft White, FL

Notes Front of house faces West

**Design Information**

Weather Jacksonville Intl AP, FL, US

**Winter Design Conditions**

Outside db	32 °F
Inside db	72 °F
Design TD	40 °F

**Summer Design Conditions**

Outside db	93 °F
Inside db	72 °F
Design TD	21 °F
Daily range	M
Relative humidity	50 %
Moisture difference	58 gr/lb

**Heating Summary**

Structure	22356 Btuh
Ducts	4866 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	27222 Btuh

**Sensible Cooling Equipment Load Sizing**

Structure	17186 Btuh
Ducts	5971 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.98
Equipment sensible load	22602 Btuh

**Infiltration**

Method	Simplified
Construction quality	Average
Fireplaces	0

**Latent Cooling Equipment Load Sizing**

	Heating	Cooling
Area (ft²)	1600	1600
Volume (ft³)	12800	12800
Air changes/hour	0.27	0.14
Equip AVF (cfm)	58	31

Structure	2005 Btuh
Ducts	1299 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	3304 Btuh
Equipment total load	25906 Btuh
Req total capacity at 0.80 SHR	2.4 ton

**Heating Equipment Summary**

Make	Goodman Mfg
Trade	GOODMAN, JANITROL, AMANA DISTI
Model	GSZ130301A*
AHRI ref	5358271
Efficiency	8 HSPF
Heating input	
Heating output	27000 Btuh @ 47°F
Temperature rise	26 °F
Actual air flow	933 cfm
Air flow factor	0.034 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	

**Cooling Equipment Summary**

Make	Goodman Mfg
Trade	GOODMAN, JANITROL, AMANA DISTI
Cond	GSZ130301A*
Coil	ARUF30B14A*
AHRI ref	5358271
Efficiency	11.0 EER, 13 SEER
Sensible cooling	19600 Btuh
Latent cooling	8400 Btuh
Total cooling	28000 Btuh
Actual air flow	933 cfm
Air flow factor	0.040 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0.88

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed



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**Project Summary**  
**Zone Workshop**  
**Energy Design Systems, Inc.**

Job:  
 Date: 7/30/13  
 By: M. Ellis

12132 Weatherwood Estates Dr W Jacksonville, FL 32223 Phone 904-268-3670 Fax: 904-268-3670 Email eds.jax@gmail.com

**Project Information**

For Coppage Residence  
 Ft White, FL

Notes Front of house faces West

**Design Information**

Weather Jacksonville Intl AP, FL, US

**Winter Design Conditions**

Outside db	32 °F
Inside db	72 °F
Design TD	40 °F

**Summer Design Conditions**

Outside db	93 °F
Inside db	72 °F
Design TD	21 °F
Daily range	M
Relative humidity	50 %
Moisture difference	58 gr/lb

**Heating Summary**

Structure	12002 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	12002 Btuh

**Sensible Cooling Equipment Load Sizing**

Structure	9452 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.98
Equipment sensible load	9225 Btuh

**Infiltration**

Method	Simplified	
Construction quality	Average	
Fireplaces	0	
	<b>Heating</b>	<b>Cooling</b>
Area (ft²)	400	400
Volume (ft³)	3200	3200
Air changes/hour	0.81	0.42
Equiv AVF (cfm)	43	23

**Latent Cooling Equipment Load Sizing**

Structure	1286 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	1286 Btuh
Equipment total load	10511 Btuh
Req total capacity at 0.80 SHR	1.0 ton

**Heating Equipment Summary**

Make	Mitsubishi Electric and Electronics USA, Inc
Trade	Mr Slim
Model	MUZ-GE12NA
AHRI ref	3576362
Efficiency	10 HSPF
Heating input	
Heating output	14400 Btuh @ 47°F
Temperature rise	30 °F
Actual air flow	431 cfm
Air flow factor	0.036 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	

**Cooling Equipment Summary**

Make	Mitsubishi Electric and Electronics USA, Inc
Trade	Mr Slim
Cond	MUZ-GE12NA
Coil	MSZ-GE12NA
AHRI ref	3576362
Efficiency	14.7 EER, 20.3 SEER
Sensible cooling	8400 Btuh
Latent cooling	3600 Btuh
Total cooling	12000 Btuh
Actual air flow	431 cfm
Air flow factor	0.046 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0.88

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed



**wrightsoft**

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