

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: J-9820 - C-1304 Street: 359 SW Heathridge City, State, Zip: Lake City, FL, 32025 Owner: 359 SW Heathridge Design Location: FL, Gainesville	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)
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1. New construction or existing New (From Plans) 2. Single family or multiple family Detached 3. Number of units, if multiple family 1 4. Number of Bedrooms 3 5. Is this a worst case? No 6. Conditioned floor area above grade (ft²) 1702 Conditioned floor area below grade (ft²) 0 7. Windows(239.3 sqft.) Description Area a. U-Factor: Dbl, U=0.35 239.33 ft² SHGC: SHGC=0.25 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 1.000 ft Area Weighted Average SHGC: 0.250 8. Skylights Description Area U-Factor:(AVG) N/A N/A ft² SHGC(AVG): N/A 9. Floor Types Insulation Area a. Slab-On-Grade Edge Insulation R= 0.0 1702.00 ft² b. N/A R= ft² c. N/A R= ft²	10. Wall Types(2078.5 sqft.) Insulation Area a. Frame - Wood, Exterior R=11.0 1741.00 ft² b. Frame - Wood, Adjacent R=11.0 337.50 ft² c. N/A d. N/A 11. Ceiling Types(1702.0 sqft.) Insulation Area a. Flat ceiling under att (Vented) R=30.0 1702.00 ft² b. N/A c. N/A 12. Roof(Comp. Shingles, Vented) Deck R=0.0 1903 ft² 13. Ducts, location & insulation level R ft² a. Sup: Attic, Ret: Attic, AH: Garage 6 200 b. c. 14. Cooling Systems kBtu/hr Efficiency a. Central Unit 33.6 SEER2:14.30 15. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 33.6 HSPF2:7.50 16. Hot Water Systems a. Electric Cap: 30 gallons EF: 0.950 b. Conservation features None 17. Credits Pstat
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Glass/Floor Area: 0.141	Total Proposed Modified Loads: 46.53	PASS
	Total Baseline Loads: 48.93	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: <u>Latisha Furmon</u> DATE: <u>May 17, 2023</u> I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: _____ DATE: _____	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.  BUILDING OFFICIAL: _____ DATE: _____
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- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance with a proposed duct leakage Qn requires a PERFORMANCE Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 6.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	J-9820 - C-1304	Bedrooms:	3	Address type:	Street Address
Building Type:	User	Conditioned Area:	1702	Lot #:	---
Owner:	359 SW Heathridge	Total Stories:	1	Block/SubDivision:	---
Builder Name:		Worst Case:	No	PlatBook:	---
Permit Office:		Rotate Angle:	0	Street:	359 SW Heathridge
Jurisdiction:		Cross Ventilation:	No	County:	Columbia
Family Type:	Detached	Whole House Fan:	No	City, State, Zip:	Lake City, FL, 32025
New/Existing:	New (From Plans)	Terrain:	Suburban		
Year Construct:		Shielding:	Suburban		
Comment:					

CLIMATE

✓ Design Location	Tmy Site	Design Temp		Int Design Temp		Heating Degree Days	Design Moisture	Daily temp Range
		97.5%	2.5%	Winter	Summer			
___ FL, Gainesville	FL_GAINESVILLE_REGIONA	32	92	70	75	1305.5	51	Medium

BLOCKS

✓ Number	Name	Area	Volume
___ 1	Entire House	1702	15780 cu ft

SPACES

✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___ 1	BED 3	171	1539	No	1	1	Yes	Yes	Yes
___ 2	BATH 2	47	423	No	0		Yes	Yes	Yes
___ 3	BED 2	173	1557	No	1	1	Yes	Yes	Yes
___ 4	FOYER	39	351	No	0		Yes	Yes	Yes
___ 5	STUDY	105	945	No	0		Yes	Yes	Yes
___ 6	CLST	17	153	No	0		Yes	Yes	Yes
___ 7	MECH	36	324	No	0		Yes	Yes	Yes
___ 8	PAN	33	297	No	0		Yes	Yes	Yes
___ 9	GREAT RM	274	2740	No	0		Yes	Yes	Yes
___ 10	DINING	100	900	No	0		Yes	Yes	Yes
___ 11	KITCHEN	119	1071	Yes	0		Yes	Yes	Yes
___ 12	M WIC	108	972	No	0		Yes	Yes	Yes
___ 13	LNDY	63	567	No	0		Yes	Yes	Yes
___ 14	HALL 2	32	288	No	0		Yes	Yes	Yes
___ 15	M PWD	19	171	No	0		Yes	Yes	Yes
___ 16	M BATH	131	1179	No	0		Yes	Yes	Yes
___ 17	M BED	188	1880	No	2	1	Yes	Yes	Yes
___ 18	HALL 1	47	423	No	0		Yes	Yes	Yes

INPUT SUMMARY CHECKLIST REPORT

FLOORS (Total Exposed Area = 1702 sq.ft.)										
✓ #	Floor Type	Space	Exposed Perim	Perimeter R-Value	Area	U-Factor	Joist R-Value	Tile	Wood	Carpet
___ 1	Slab-On-Grade Edge Ins	BED 3	34		171 ft	0.304	---	0.00	0.00	1.00
___ 2	Slab-On-Grade Edge Ins	BATH 2	5.5		47 ft	0.304	---	0.00	0.00	1.00
___ 3	Slab-On-Grade Edge Ins	BED 2	31.5		173 ft	0.304	---	0.00	0.00	1.00
___ 4	Slab-On-Grade Edge Ins	FOYER	6		39 ft	0.304	---	0.00	0.00	1.00
___ 5	Slab-On-Grade Edge Ins	STUDY	17		105 ft	0.304	---	0.00	0.00	1.00
___ 6	Slab-On-Grade Edge Ins	CLST	3		17 ft	0.304	---	0.00	0.00	1.00
___ 7	Slab-On-Grade Edge Ins	MECH	12		36 ft	0.304	---	0.00	0.00	1.00
___ 8	Slab-On-Grade Edge Ins	PAN	3.5		33 ft	0.304	---	0.00	0.00	1.00
___ 9	Slab-On-Grade Edge Ins	GREAT RM	16		274 ft	0.304	---	0.00	0.00	1.00
___ 10	Slab-On-Grade Edge Ins	DINING	16.5		100 ft	0.304	---	0.00	0.00	1.00
___ 11	Slab-On-Grade Edge Ins	KITCHEN	6		119 ft	0.304	---	0.00	0.00	1.00
___ 12	Slab-On-Grade Edge Ins	M WIC	21		108 ft	0.304	---	0.00	0.00	1.00
___ 13	Slab-On-Grade Edge Ins	LNDY	7		63 ft	0.304	---	0.00	0.00	1.00
___ 14	Slab-On-Grade Edge Ins	HALL 2	3.5		32 ft	0.304	---	0.00	0.00	1.00
___ 15	Slab-On-Grade Edge Ins	M PWD	5.5		19 ft	0.304	---	0.00	0.00	1.00
___ 16	Slab-On-Grade Edge Ins	M BATH	19.5		131 ft	0.304	---	0.00	0.00	1.00
___ 17	Slab-On-Grade Edge Ins	M BED	19.5		188 ft	0.304	---	0.00	0.00	1.00
___ 18	Slab-On-Grade Edge Ins	HALL 1	1		47 ft	0.304	---	0.00	0.00	1.00

ROOF												
✓ #	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
___ 1	Hip	Composition shingles	1903 ft²	0 ft²	Medium	N	0.9	No	0.9	No	0	26.57

ATTIC						
✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___ 1	Full attic	Vented	150	1702 ft²	N	N

CEILING (Total Exposed Area = 1702 sq.ft.)								
✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type
___ 1	Flat ceiling under attic(Vented)	BED 3	30.0	Blown	171.0ft²	0.053	0.10	Wood
___ 2	Flat ceiling under attic(Vented)	BATH 2	30.0	Blown	47.0ft²	0.053	0.10	Wood
___ 3	Flat ceiling under attic(Vented)	BED 2	30.0	Blown	173.0ft²	0.053	0.10	Wood
___ 4	Flat ceiling under attic(Vented)	FOYER	30.0	Blown	39.0ft²	0.053	0.10	Wood
___ 5	Flat ceiling under attic(Vented)	STUDY	30.0	Blown	105.0ft²	0.053	0.10	Wood
___ 6	Flat ceiling under attic(Vented)	CLST	30.0	Blown	17.0ft²	0.053	0.10	Wood
___ 7	Flat ceiling under attic(Vented)	MECH	30.0	Blown	36.0ft²	0.053	0.10	Wood
___ 8	Flat ceiling under attic(Vented)	PAN	30.0	Blown	33.0ft²	0.053	0.10	Wood
___ 9	Flat ceiling under attic(Vented)	GREAT RM	30.0	Blown	274.0ft²	0.053	0.10	Wood
___ 10	Flat ceiling under attic(Vented)	DINING	30.0	Blown	100.0ft²	0.053	0.10	Wood
___ 11	Flat ceiling under attic(Vented)	KITCHEN	30.0	Blown	119.0ft²	0.053	0.10	Wood
___ 12	Flat ceiling under attic(Vented)	M WIC	30.0	Blown	108.0ft²	0.053	0.10	Wood
___ 13	Flat ceiling under attic(Vented)	LNDY	30.0	Blown	63.0ft²	0.053	0.10	Wood
___ 14	Flat ceiling under attic(Vented)	HALL 2	30.0	Blown	32.0ft²	0.053	0.10	Wood
___ 15	Flat ceiling under attic(Vented)	M PWD	30.0	Blown	19.0ft²	0.053	0.10	Wood
___ 16	Flat ceiling under attic(Vented)	M BATH	30.0	Blown	131.0ft²	0.053	0.10	Wood
___ 17	Flat ceiling under attic(Vented)	M BED	30.0	Blown	188.0ft²	0.053	0.10	Wood
___ 18	Flat ceiling under attic(Vented)	HALL 1	30.0	Blown	47.0ft²	0.053	0.10	Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS																	(Total Exposed Area = 2079 sq.ft.)			
✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area sq.ft.	U-Factor	Sheath R-Value	Frm. Frac.	Solar Absor.	Below Grade					
___ 1	N	Exterior	Frame - Wood	BED 3	11.0	14.0	6	9.0	0	130.5	0.102	0	0.25	0.80	0 %					
___ 2	E	Exterior	Frame - Wood	BED 3	11.0	12.0	6	9.0	0	112.5	0.102	0	0.25	0.80	0 %					
___ 3	S	Exterior	Frame - Wood	BED 3	11.0	7.0	0	9.0	0	63.0	0.102	0	0.25	0.80	0 %					
___ 4	N	Exterior	Frame - Wood	BATH 2	11.0	5.0	6	9.0	0	49.5	0.102	0	0.25	0.80	0 %					
___ 5	N	Exterior	Frame - Wood	BED 2	11.0	15.0	0	9.0	0	135.0	0.102	0	0.25	0.80	0 %					
___ 6	S	Exterior	Frame - Wood	BED 2	11.0	4.0	0	9.0	0	36.0	0.102	0	0.25	0.80	0 %					
___ 7	W	Exterior	Frame - Wood	BED 2	11.0	12.0	6	9.0	0	112.5	0.102	0	0.25	0.80	0 %					
___ 8	W	Exterior	Frame - Wood	FOYER	11.0	6.0	0	9.0	0	54.0	0.102	0	0.25	0.80	0 %					
___ 9	N	Exterior	Frame - Wood	STUDY	11.0	4.0	0	9.0	0	36.0	0.102	0	0.25	0.80	0 %					
___ 10	S	Exterior	Frame - Wood	STUDY	11.0	3.0	0	9.0	0	27.0	0.102	0	0.25	0.80	0 %					
___ 11	W	Exterior	Frame - Wood	STUDY	11.0	10.0	0	9.0	0	90.0	0.102	0	0.25	0.80	0 %					
___ 12	W	Exterior	Frame - Wood	CLST	11.0	3.0	0	9.0	0	27.0	0.102	0	0.25	0.80	0 %					
___ 13	W	Exterior	Frame - Wood	MECH	11.0	6.0	6	9.0	0	58.5	0.102	0	0.25	0.80	0 %					
___ 14	S	Garage	Frame - Wood	MECH	11.0	5.0	6	9.0	0	49.5	0.102	0	0.25	0.80	0 %					
___ 15	S	Garage	Frame - Wood	PAN	11.0	3.0	6	9.0	0	31.5	0.102	0	0.25	0.80	0 %					
___ 16	E	Exterior	Frame - Wood	GREAT RM	11.0	16.0	0	10.0	0	160.0	0.102	0	0.25	0.80	0 %					
___ 17	N	Exterior	Frame - Wood	DINING	11.0	7.0	0	9.0	0	63.0	0.102	0	0.25	0.80	0 %					
___ 18	E	Exterior	Frame - Wood	DINING	11.0	9.0	6	9.0	0	85.5	0.102	0	0.25	0.80	0 %					
___ 19	S	Garage	Frame - Wood	KITCHEN	11.0	6.0	0	9.0	0	54.0	0.102	0	0.25	0.80	0 %					
___ 20	S	Exterior	Frame - Wood	M WIC	11.0	9.0	0	9.0	0	81.0	0.102	0	0.25	0.80	0 %					
___ 21	W	Garage	Frame - Wood	M WIC	11.0	12.0	0	9.0	0	108.0	0.102	0	0.25	0.80	0 %					
___ 22	W	Garage	Frame - Wood	LNDY	11.0	7.0	0	9.0	0	63.0	0.102	0	0.25	0.80	0 %					
___ 23	W	Garage	Frame - Wood	HALL 2	11.0	3.0	6	9.0	0	31.5	0.102	0	0.25	0.80	0 %					
___ 24	S	Exterior	Frame - Wood	M PWD	11.0	5.0	6	9.0	0	49.5	0.102	0	0.25	0.80	0 %					
___ 25	E	Exterior	Frame - Wood	M BATH	11.0	10.0	0	9.0	0	90.0	0.102	0	0.25	0.80	0 %					
___ 26	S	Exterior	Frame - Wood	M BATH	11.0	9.0	6	9.0	0	85.5	0.102	0	0.25	0.80	0 %					
___ 27	N	Exterior	Frame - Wood	M BED	11.0	7.0	0	10.0	0	70.0	0.102	0	0.25	0.80	0 %					
___ 28	E	Exterior	Frame - Wood	M BED	11.0	12.0	6	10.0	0	125.0	0.102	0	0.25	0.80	0 %					

DOORS												(Total Exposed Area = 20 sq.ft.)	
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area		
___ 1	W(Front)	Exterior	Wood	FOYER	None	0.39	3.00	0	6.00	8	20.0ft²		

WINDOWS																	(Total Exposed Area = 239 sq.ft.)			
✓ #	Ornt	Wall ID	Frame	Panes	NFRC U-Factor	SHGC	Imp	Storm	Total Area (ft²)	Same Units	Width (ft)	Height (ft)	--Overhang-- Depth (ft) Sep. (ft)		Interior Shade	Screen				
___ 1	E	2	Vinyl	Low-E Double	Y	0.35	0.25	N	N	15.0	1	3.00	5.00	1.0	1.0	Drapes/blinds	Ex. 50%			
___ 2	N	4	Vinyl	Low-E Double	Y	0.35	0.25	N	N	4.0	1	4.00	1.00	1.0	1.0	Drapes/blinds	Ex. 50%			
___ 3	W	7	Vinyl	Low-E Double	Y	0.35	0.25	N	N	15.0	1	3.00	5.00	1.0	1.0	Drapes/blinds	Ex. 50%			
___ 4	W	8	Vinyl	Low-E Double	Y	0.35	0.25	N	N	13.3	2	1.00	6.67	1.0	1.0	Drapes/blinds	Ex. 50%			
___ 5	W	11	Vinyl	Low-E Double	Y	0.35	0.25	N	N	30.0	2	3.00	5.00	1.0	1.0	Drapes/blinds	Ex. 50%			
___ 6	W	13	Vinyl	Low-E Double	Y	0.35	0.25	N	N	10.0	1	2.50	4.00	1.0	1.0	Drapes/blinds	Ex. 50%			
___ 7	E	16	Vinyl	Low-E Double	Y	0.35	0.25	N	N	54.0	3	3.00	6.00	1.0	1.0	Drapes/blinds	Ex. 50%			
___ 8	N	17	Vinyl	Low-E Double	Y	0.35	0.25	N	N	20.0	1	3.00	6.67	1.0	1.0	Drapes/blinds	Ex. 50%			
___ 9	E	18	Vinyl	Low-E Double	Y	0.35	0.25	N	N	30.0	2	3.00	5.00	1.0	1.0	Drapes/blinds	Ex. 50%			
___ 10	S	26	Vinyl	Low-E Double	Y	0.35	0.25	N	N	12.0	1	4.00	3.00	1.0	1.0	Drapes/blinds	Ex. 50%			
___ 11	N	27	Vinyl	Low-E Double	Y	0.35	0.25	N	N	20.0	1	3.00	6.67	1.0	1.0	Drapes/blinds	Ex. 50%			
___ 12	E	28	Vinyl	Low-E Double	Y	0.35	0.25	N	N	16.0	2	2.00	4.00	1.0	1.0	Drapes/blinds	Ex. 50%			

INPUT SUMMARY CHECKLIST REPORT

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00035	1578	86.57	162.53	0.1247	6.0	All	15780 cu ft

GARAGE					
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
___ 1	484 ft²	484 ft²	66 ft	9 ft	0

MASS					
✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
___ 1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	BED 3
___ 2	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	BATH 2
___ 3	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	BED 2
___ 4	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	FOYER
___ 5	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	STUDY
___ 6	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	CLST
___ 7	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	MECH
___ 8	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	PAN
___ 9	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	GREAT RM
___ 10	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	DINING
___ 11	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	KITCHEN
___ 12	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	M WIC
___ 13	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	LNDY
___ 14	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	HALL 2
___ 15	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	M PWD
___ 16	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	M BATH
___ 17	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	M BED
___ 18	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	HALL 1

HEATING SYSTEM										
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	----Geothermal HeatPump----			Ducts	Block
						Entry	Power	Volt	Current	
___ 1	Electric Heat Pump	Split/Single		HSPF2: 7.50	33.6		0.00	0.00	0.00	sys#1 1

COOLING SYSTEM										
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block	
___ 1	Central Unit	Split/Single		SEER2:14.3	33.6	0	0.80	sys#1	1	

HOT WATER SYSTEM										
✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixture Flow	Pipe Ins.	Pipe length
___ 1	Electric	None	MECH	0.95 (0.93)	30.00 gal	60 gal	120 deg	Standard	=>R-3	99

	Recirculation System	Recirc Control Type	Loop length	Branch length	Pump power	DWHR	Facilities Connected	Equal Flow	DWHR Eff	Other Credits
___ 1	No		NA	NA	NA	No	NA	NA	NA	None

INPUT SUMMARY CHECKLIST REPORT

DUCTS

✓ Duct #	-----Supply----- Location	R-Value	Area	-----Return----- Location	R-Value	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF	HVAC # Heat Cool
___ 1	Attic	6.0	200 ft²	Attic	6.0	100 ft²	Prop. Leak Free	Garage	---	---	0.03	0.50	1 1

TEMPERATURES

Programable Thermostat: Y Cooling ☐ Jan ☐ Feb ☐ Mar ☐ Apr ☐ May ☒ Jun ☒ Jul ☒ Aug ☒ Sep ☐ Oct ☐ Nov ☐ Dec Heating ☒ Jan ☒ Feb ☒ Mar ☐ Apr ☐ May ☐ Jun ☐ Jul ☐ Aug ☐ Sep ☐ Oct ☒ Nov ☒ Dec Venting ☐ Jan ☐ Feb ☒ Mar ☒ Apr ☐ May ☐ Jun ☐ Jul ☐ Aug ☐ Sep ☒ Oct ☒ Nov ☐ Dec													
Ceiling Fans: N Thermostat Schedule: HERS 2006 Reference Schedule Type													
		1	2	3	4	5	6	Hours 7	8	9	10	11	12
___ Cooling (WD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
___ Cooling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
___ Heating (WD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
___ Heating (WEH)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66