



Manual S Compliance Report
Entire House
Strada Services

Job: Lot 22 2169 CR LHG-NW
 Date: 9/25/25
 By: RI

531 Codisco Way, Sanford, FL 32771 License: CAC043953

Project Information

For: Adams Homes Gainesville
 247 SW Bellflower Dr, Lake City, FL 32024

Cooling Equipment

Design Conditions

Outdoor design DB:	92.4°F	Sensible gain:	26325	Btuh	Entering coil DB:	75.5°F
Outdoor design WB:	75.8°F	Latent gain:	3763	Btuh	Entering coil WB:	62.4°F
Indoor design DB:	74.0°F	Total gain:	30088	Btuh		
Indoor RH:	50%	Estimated airflow:	1167	cfm		

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Split ASHP			
Manufacturer:	Carrier	Model:	GH5SAN53600AA0+FJ5ANXB36L00	
Actual airflow:	1167	cfm		
Sensible capacity:	28448	Btuh	108%	of load
Latent capacity:	4967	Btuh	132%	of load
Total capacity:	33415	Btuh	111%	of load SHR: 85%

Heating Equipment

Design Conditions

Outdoor design DB:	33.3°F	Heat loss:	30463	Btuh	Entering coil DB:	68.0°F
Indoor design DB:	68.0°F					

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Split ASHP			
Manufacturer:	Carrier	Model:	GH5SAN53600AA0+FJ5ANXB36L00	
Actual airflow:	0	cfm		
Output capacity:	35600	Btuh	117%	of load
Supplemental heat required:	0	Btuh		
			Capacity balance:	30 °F
			Economic balance:	-99 °F

Backup equipment type:	Elec strip			
Manufacturer:	n/a	Model:	n/a+n/a	
Actual airflow:	0	cfm		
Output capacity:	0	kW	0%	of load Temp. rise: 0 °F

Meets all requirements of ACCA Manual S.



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...Lot 22 2169 CR LHG-NW Lot 22 2169 CR LHG-NW.rup Calc = MJ8 Front Door faces: NW



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Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db 33 °F
 Inside db 68 °F
 Design TD 35 °F

Ventilation Method MJ8

Heating Summary

Structure 27492 Btuh
 Ducts (R-6.0) 2971 Btuh
 Central vent (0 cfm) 0 Btuh

Humidification 0 Btuh
 Piping 0 Btuh
 Equipment load 30463 Btuh

Infiltration

Method Simplified
 Construction quality Average
 Fireplaces 0

	Heating	Cooling
Area (ft ²)	2136	2136
Volume (ft ³)	21360	21360
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	114	57

Heating Equipment Summary

Make Carrier
 Trade 15 SEER2 HP
 Model GH5SAN53600AA0
 AHRI ref 214101828

Efficiency 7.5 HSPF2
 Heating input
 Heating output 35600 Btuh @ 47°F
 Temperature rise 0 °F
 Actual air flow 0 cfm
 Air flow factor 0 cfm/Btuh
 Static pressure 0.50 in H2O
 Space thermostat
 Capacity balance point = 30 °F

Backup: n/a n/a
 Input = 0 kW, Output = 0 Btuh, 100 AFUE

Summer Design Conditions

Outside db 92 °F
 Inside db 74 °F
 Design TD 18 °F
 Daily range M
 Relative humidity 50 %
 Moisture difference 46 gr/lb

Sensible Cooling Equipment Load Sizing

Structure 19928 Btuh
 Ducts (R-6.0) 6396 Btuh
 Central vent (0 cfm) 0 Btuh

Blower 0 Btuh

Use manufacturer's data n
 Rate/swing multiplier 0.97
 Equipment sensible load 25640 Btuh

Latent Cooling Equipment Load Sizing

Structure 2559 Btuh
 Ducts 1204 Btuh
 Central vent (0 cfm) 0 Btuh

Equipment latent load 3763 Btuh

Equipment Total Load (Sen+Lat) 29403 Btuh
 Req. total capacity at 0.75 SHR 2.8 ton

Cooling Equipment Summary

Make Carrier
 Trade 15 SEER2 HP
 Cond GH5SAN53600AA0
 Coil FJ5ANXB36L00
 AHRI ref 214101828

Efficiency 12.0 EER2, 14.5 SEER2
 Sensible cooling 26250 Btuh
 Latent cooling 8750 Btuh
 Total cooling 35000 Btuh
 Actual air flow 1167 cfm
 Air flow factor 0.044 cfm/Btuh
 Static pressure 0.50 in H2O
 Load sensible heat ratio 0.87

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



Right-J® Worksheet

Entire House

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1 Room name		Entire House							M Bed					
2 Exposed wall		233.0 ft							41.0 ft					
3 Room height		10.0 ft							10.0 ft					
4 Room dimensions		d							1.0 x 269.8 ft					
5 Room area		2136.0 ft²							269.8 ft²					
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12B-0sw	0.097	ne	3.37	3.35	455	437	1471	1464	140	140	471	469
	G	10D-v	0.340	ne	11.80	14.20	18	0	211	254	0	0	0	0
	W	12B-0sw	0.097	se	3.37	3.35	585	420	1414	1406	195	162	546	543
	G	10D-v	0.340	se	11.80	7.08	18	18	211	127	0	0	0	0
11	G	4A5-2ov	0.340	se	11.80	20.52	65	4	771	1341	33	2	386	671
	G	4A5-2ov	0.340	se	11.80	10.12	82	82	964	827	0	0	0	0
	W	12B-0sw	0.097	sw	3.37	3.35	580	539	1814	1804	75	57	192	191
	G	10D-v	0.340	sw	11.80	7.08	18	18	211	127	18	18	211	127
	G	4A5-2ov	0.340	sw	11.80	20.06	7	1	82	139	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.52	16	1	193	335	0	0	0	0
	W	12B-0sw	0.097	nw	3.37	3.35	390	270	909	904	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	16	0	193	331	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	32	0	375	645	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	33	0	386	663	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	20.28	12	0	146	250	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	21.90	7	0	79	146	0	0	0	0
	D	11J0	0.600	nw	20.82	18.57	20	20	418	373	0	0	0	0
	P	12C-0sw	0.091	-	3.16	1.46	320	282	891	412	0	0	0	0
	D	11D0	0.390	n	13.53	12.07	38	38	514	458	0	0	0	0
	C	16B-30ad	0.032	-	1.11	1.74	2136	2136	2372	3722	270	270	300	470
	F	22A-cpm	1.180	-	40.95	0.00	2136	233	9540	0	270	41	1679	0
6	c) AED excursion									203				-16
	Envelope loss/gain								23163	15931			3785	2455
12	a) Infiltration								4329	1148			883	234
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @		230		4		920		2		460	
			Appliances/other						1930				0	0
	Subtotal (lines 6 to 13)								27492	19928			4668	3149
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			10	14
14	Subtotal								27492	19928			4677	3163
15	Duct loads							11%	2971	6396	11%	32%	505	1015
	Total room load								30463	26325			5183	4178
	Air required (cfm)								0	1167			0	185

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



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Right-J® Worksheet

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				MBTH 11.0 ft 10.0 ft heat/cool 125.0 ft ² x 125.0 ft				MWIC1 5.5 ft 10.0 ft heat/cool 31.0 ft ² x 31.0 ft						
	Ty	Construction number	U-value (Btuh/ft ² ·°F)	Or	HTM (Btuh/ft ²)		Area (ft ²) or perimeter (ft)		Load (Btuh)		Area (ft ²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12B-0sw	0.097	ne	3.37	3.35	55	55	185	184	55	55	185	184
	G	10D-v	0.340	ne	11.80	14.20	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	se	3.37	3.35	0	0	0	0	0	0	0	0
	G	10D-v	0.340	se	11.80	7.08	0	0	0	0	0	0	0	0
11	G	4A5-2ov	0.340	se	11.80	20.52	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	se	11.80	10.12	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	sw	3.37	3.35	0	0	0	0	0	0	0	0
	G	10D-v	0.340	sw	11.80	7.08	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.06	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.52	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	nw	3.37	3.35	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	21.90	0	0	0	0	0	0	0	0
	D	11J0	0.600	nw	20.82	18.57	0	0	0	0	0	0	0	0
	P	12C-0sw	0.091	-	3.16	1.46	55	55	174	80	0	0	0	0
	D	11D0	0.390	n	13.53	12.07	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.11	1.74	125	125	139	218	31	31	34	54
	F	22A-cpm	1.180	-	40.95	0.00	125	11	450	0	31	6	225	0
6	c) AED excursion									-38				-20
	Envelope loss/gain								948	444			445	218
12	a) Infiltration								118	31			118	31
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @		230		0		0	0			0	0
			Appliances/other						0	0			0	0
	Subtotal (lines 6 to 13)								1066	475			563	249
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								7	10			0	0
14	Subtotal								1073	485			563	249
15	Duct loads						11%	32%	116	156	11%	32%	61	80
	Total room load								1189	641			624	329
	Air required (cfm)								0	28			0	15

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



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				FAMILY 17.5 ft				KIT 1.5 ft						
				10.0 ft		1.0 x 416.2 ft		10.0 ft		11.0 x 13.0 ft				
				416.2 ft²				143.0 ft²						
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12B-0sw	0.097	ne	3.37	3.35	0	0	0	0	0	0	0	0
	G	10D-v	0.340	ne	11.80	14.20	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	se	3.37	3.35	175	108	364	362	0	0	0	0
	G	10D-v	0.340	se	11.80	7.08	18	18	211	127	0	0	0	0
11	G	4A5-2ov	0.340	se	11.80	20.52	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	se	11.80	10.12	49	49	578	496	0	0	0	0
	W	12B-0sw	0.097	sw	3.37	3.35	0	0	0	0	0	0	0	0
	G	10D-v	0.340	sw	11.80	7.08	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.06	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.52	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	nw	3.37	3.35	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	21.90	0	0	0	0	0	0	0	0
	D	11J0	0.600	nw	20.82	18.57	0	0	0	0	0	0	0	0
	P	12C-0sw	0.091	-	3.16	1.46	0	0	0	0	15	-4	-13	-6
	D	11D0	0.390	n	13.53	12.07	0	0	0	0	19	19	257	229
	C	16B-30ad	0.032	-	1.11	1.74	416	416	462	725	143	143	159	249
	F	22A-cpm	1.180	-	40.95	0.00	416	18	717	0	143	2	61	0
6	c) AED excursion													-125
	Envelope loss/gain								2332	1575			465	347
12	a) Infiltration								377	100			0	0
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @		230		0			0	0			0
			Appliances/other							0				1200
	Subtotal (lines 6 to 13)								2709	1674			465	1547
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								234	184			2	3
14	Subtotal								2943	1859			467	1551
15	Duct loads						11%	32%	318	597	11%	32%	50	498
	Total room load								3261	2455			517	2048
	Air required (cfm)								0	109			0	91

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



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Entire House

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1 Room name						10.0 ft		0 ft		LAUN		6.5 ft			
2 Exposed wall						10.0 ft		heat/cool		10.0 ft		heat/cool			
3 Room height						14.0 ft²		3.5 x 4.0 ft		74.8 ft²		6.5 x 11.5 ft			
4 Room dimensions															
5 Room area															
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	12B-0sw	0.097	ne	3.37	3.35	0	0	0	0	0	0	0	0	
	G	10D-v	0.340	ne	11.80	14.20	0	0	0	0	0	0	0	0	
	W	12B-0sw	0.097	se	3.37	3.35	0	0	0	0	0	0	0	0	
	G	10D-v	0.340	se	11.80	7.08	0	0	0	0	0	0	0	0	
11	G	4A5-2ov	0.340	se	11.80	20.52	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.340	se	11.80	10.12	0	0	0	0	0	0	0	0	
	W	12B-0sw	0.097	sw	3.37	3.35	0	0	0	0	0	0	0	0	
	G	10D-v	0.340	sw	11.80	7.08	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.340	sw	11.80	20.06	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.340	sw	11.80	20.52	0	0	0	0	0	0	0	0	
	W	12B-0sw	0.097	nw	3.37	3.35	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0	
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0	
	G	4B5-2fv	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0	
	G	4B5-2fv	0.340	nw	11.80	21.90	0	0	0	0	0	0	0	0	
	D	11J0	0.600	nw	20.82	18.57	0	0	0	0	0	0	0	0	
	P	12C-0sw	0.091	-	3.16	1.46	0	0	0	0	65	46	145	67	
	D	11D0	0.390	n	13.53	12.07	0	0	0	0	19	19	257	229	
	C	16B-30ad	0.032	-	1.11	1.74	14	14	16	24	75	75	83	130	
	F	22A-cpm	1.180	-	40.95	0.00	14	0	0	0	75	6	266	0	
6	c) AED excursion														
	Envelope loss/gain								16	23			751	357	
12	a) Infiltration								0	0			0	0	
	b) Room ventilation								0	0			0	0	
13	Internal gains:		Occupants @		230		0				0			0	
			Appliances/other								0			500	
	Subtotal (lines 6 to 13)								16	23			751	857	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								-16	-23			10	14	
14	Subtotal								0	0			761	871	
15	Duct loads							11%	32%			11%	32%	82	280
	Total room load								0	0			843	1151	
	Air required (cfm)								0	0			0	51	

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1 Room name				H		Bed 3								
2 Exposed wall				0 ft		11.5 ft								
3 Room height				10.0 ft		10.0 ft								
4 Room dimensions				1.0 x 48.2 ft		1.0 x 146.0 ft								
5 Room area				48.2 ft²		146.0 ft²								
6	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12B-0sw	0.097	ne	3.37	3.35	0	0	0	0	0	0	0	0
	G	10D-v	0.340	ne	11.80	14.20	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	se	3.37	3.35	0	0	0	0	0	0	0	0
	G	10D-v	0.340	se	11.80	7.08	0	0	0	0	0	0	0	0
11	G	4A5-2ov	0.340	se	11.80	20.52	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	se	11.80	10.12	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	sw	3.37	3.35	0	0	0	0	115	99	332	330
	G	10D-v	0.340	sw	11.80	7.08	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.06	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.52	0	0	0	0	16	1	193	335
	W	12B-0sw	0.097	nw	3.37	3.35	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	21.90	0	0	0	0	0	0	0	0
	D	11J0	0.600	nw	20.82	18.57	0	0	0	0	0	0	0	0
	P	12C-0sw	0.091	-	3.16	1.46	0	0	0	0	0	0	0	0
	D	11D0	0.390	n	13.53	12.07	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.11	1.74	48	48	54	84	146	146	162	254
	F	22A-cpm	1.180	-	40.95	0.00	48	0	0	0	146	12	471	0
6	c) AED excursion									-6				65
	Envelope loss/gain									54	78			1158 985
12	a) Infiltration									0	0			248 66
	b) Room ventilation									0	0			0 0
13	Internal gains:		Occupants @		230		0			0	1			230 0
			Appliances/other							0				0
	Subtotal (lines 6 to 13)									54	78			1406 1281
	Less external load									0	0			0 0
	Less transfer									0	0			0 0
	Redistribution									-54	-78			6 9
14	Subtotal									0	0			1412 1290
15	Duct loads						11%	32%		0	0	11%	32%	153 414
	Total room load									0	0			1564 1704
	Air required (cfm)									0	0			0 76

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



Right-Suite® Universal 2025 25.0.01 RSU57803

2025-Sep-25 16:15:15

...Lot 22 2169 CR LHG-NW Lot 22 2169 CR LHG-NW.rup Calc = MJ8 Front Door faces: NW

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Right-J® Worksheet

Entire House

Strada Services

Job: Lot 22 2169 CR LHG-NW
 Date: 9/25/25
 By: RI

531 Codisco Way, Sanford, FL 32771 License: CAC043953

1 Room name				BTH 2				Bed 2						
2 Exposed wall				8.0 ft				32.5 ft						
3 Room height				10.0 ft				10.0 ft						
4 Room dimensions				1.0 x 57.8 ft				1.0 x 147.8 ft						
5 Room area				57.8 ft²				147.8 ft²						
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12B-0sw	0.097	ne	3.37	3.35	0	0	0	0	80	80	269	268
	G	10D-v	0.340	ne	11.80	14.20	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	se	3.37	3.35	0	0	0	0	0	0	0	0
	G	10D-v	0.340	se	11.80	7.08	0	0	0	0	0	0	0	0
11	G	4A5-2ov	0.340	se	11.80	20.52	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	se	11.80	10.12	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	sw	3.37	3.35	80	73	246	245	125	125	421	419
	G	10D-v	0.340	sw	11.80	7.08	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.06	7	1	82	139	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.52	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	nw	3.37	3.35	0	0	0	0	120	104	349	347
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	16	0	193	331
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	21.90	0	0	0	0	0	0	0	0
	D	11J0	0.600	nw	20.82	18.57	0	0	0	0	0	0	0	0
	P	12C-0sw	0.091	-	3.16	1.46	0	0	0	0	0	0	0	0
	D	11D0	0.390	n	13.53	12.07	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.11	1.74	58	58	64	101	148	148	164	257
	F	22A-cpm	1.180	-	40.95	0.00	58	8	328	0	148	32	1331	0
6	c) AED excursion									32				6
	Envelope loss/gain								719	516			2727	1628
12	a) Infiltration								172	46			700	186
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @		230		0			0	1			230
			Appliances/other							0				0
	Subtotal (lines 6 to 13)								892	562			3426	2044
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								21	30			13	19
14	Subtotal								913	592			3439	2063
15	Duct loads						11%	32%	99	190	11%	32%	372	662
	Total room load								1011	782			3811	2725
	Air required (cfm)								0	35			0	121

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



Right-Suite® Universal 2025 25.0.01 RSU57803

2025-Sep-25 16:15:15

...Lot 22 2169 CR LHG-NW Lot 22 2169 CR LHG-NW.rup Calc = MJ8 Front Door faces: NW

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Right-J® Worksheet

Entire House

Strada Services

Job: Lot 22 2169 CR LHG-NW
 Date: 9/25/25
 By: RI

531 Codisco Way, Sanford, FL 32771 License: CAC043953

						FOY 6.0 ft heat/cool				Bed 4 34.0 ft heat/cool				
						10.0 ft 66.0 ft ²		6.0 x 11.0 ft		10.0 ft 156.8 ft ²		1.0 x 156.8 ft		
	Ty	Construction number	U-value (Btuh/ft ² -°F)	Or	HTM (Btuh/ft ²)		Area (ft ²) or perimeter (ft)		Load (Btuh)		Area (ft ²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12B-0sw	0.097	ne	3.37	3.35	0	0	0	0	75	57	192	191
	G	10D-v	0.340	ne	11.80	14.20	0	0	0	0	18	0	211	254
	W	12B-0sw	0.097	se	3.37	3.35	0	0	0	0	120	87	294	292
	G	10D-v	0.340	se	11.80	7.08	0	0	0	0	0	0	0	0
11	G	4A5-2ov	0.340	se	11.80	20.52	0	0	0	0	33	2	386	671
	G	4A5-2ov	0.340	se	11.80	10.12	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	sw	3.37	3.35	0	0	0	0	145	145	488	485
	G	10D-v	0.340	sw	11.80	7.08	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.06	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.52	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	nw	3.37	3.35	60	33	112	111	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	21.90	7	0	79	146	0	0	0	0
	D	11J0	0.600	nw	20.82	18.57	20	20	418	373	0	0	0	0
	P	12C-0sw	0.091	-	3.16	1.46	0	0	0	0	0	0	0	0
	D	11D0	0.390	n	13.53	12.07	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.11	1.74	66	66	73	115	157	157	174	273
	F	22A-cpm	1.180	-	40.95	0.00	66	6	246	0	157	34	1392	0
6	c) AED excursion									31			46	
	Envelope loss/gain								928	777			3137	2212
12	a) Infiltration								129	34			732	194
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @		230		0		0	0			0	0
			Appliances/other						0	0			230	
	Subtotal (lines 6 to 13)								1057	811			3869	2636
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								-1057	-811			0	0
14	Subtotal								0	0			3869	2636
15	Duct loads						11%	32%	0	0	11%	32%	418	846
	Total room load								0	0			4287	3483
	Air required (cfm)								0	0			0	154

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



Right-Suite® Universal 2025 25.0.01 RSU57803

2025-Sep-25 16:15:15

...Lot 22 2169 CR LHG-NW Lot 22 2169 CR LHG-NW.rup Calc = MJ8 Front Door faces: NW

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Right-J® Worksheet

Entire House

Strada Services

Job: Lot 22 2169 CR LHG-NW
 Date: 9/25/25
 By: RI

531 Codisco Way, Sanford, FL 32771 License: CAC043953

				DIN 23.5 ft 10.0 ft heat/cool 1.0 x 136.4 ft 136.4 ft²				WIC3 4.0 ft 10.0 ft heat/cool 4.5 x 4.0 ft 18.0 ft²						
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12B-0sw	0.097	ne	3.37	3.35	0	0	0	0	0	0	0	0
	G	10D-v	0.340	ne	11.80	14.20	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	se	3.37	3.35	0	0	0	0	0	0	0	0
	G	10D-v	0.340	se	11.80	7.08	0	0	0	0	0	0	0	0
11	G	4A5-2ov	0.340	se	11.80	20.52	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	se	11.80	10.12	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	sw	3.37	3.35	0	0	0	0	40	40	135	134
	G	10D-v	0.340	sw	11.80	7.08	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.06	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.52	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	nw	3.37	3.35	110	72	241	240	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	16	0	188	322	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	16	0	193	331	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	20.28	6	0	73	125	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	21.90	0	0	0	0	0	0	0	0
	D	11J0	0.600	nw	20.82	18.57	0	0	0	0	0	0	0	0
	P	12C-0sw	0.091	-	3.16	1.46	125	125	395	183	0	0	0	0
	D	11D0	0.390	n	13.53	12.07	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.11	1.74	136	136	151	238	18	18	20	31
	F	22A-cpm	1.180	-	40.95	0.00	136	24	962	0	18	4	164	0
6	c) AED excursion									259				-14
	Envelope loss/gain								2202	1697			318	151
12	a) Infiltration								237	63			86	23
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @		230		0			0	0			0
			Appliances/other							0				0
	Subtotal (lines 6 to 13)								2439	1760			405	174
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								415	319			7	11
14	Subtotal								2855	2079			412	185
15	Duct loads						11%	32%	309	667	11%	32%	45	59
	Total room load								3163	2746			456	244
	Air required (cfm)								0	122			0	11

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



Right-Suite® Universal 2025 25.0.01 RSU57803

2025-Sep-25 16:15:15

...Lot 22 2169 CR LHG-NW Lot 22 2169 CR LHG-NW.rup Calc = MJ8 Front Door faces: NW

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Right-J® Worksheet

Entire House

Strada Services

Job: Lot 22 2169 CR LHG-NW
 Date: 9/25/25
 By: RI

531 Codisco Way, Sanford, FL 32771 License: CAC043953

1 Room name				NOOK 9.5 ft 10.0 ft heat/cool				LV 10.0 ft 10.0 ft heat/cool						
2 Exposed wall				10.0 ft 1.0 x 98.0 ft				10.0 ft 1.0 x 130.1 ft						
3 Room height				98.0 ft²				130.1 ft²						
4 Room dimensions														
5 Room area														
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12B-0sw	0.097	ne	3.37	3.35	0	0	0	0	0	0	0	0
	G	10D-v	0.340	ne	11.80	14.20	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	se	3.37	3.35	95	62	210	209	0	0	0	0
	G	10D-v	0.340	se	11.80	7.08	0	0	0	0	0	0	0	0
11	G	4A5-2ov	0.340	se	11.80	20.52	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	se	11.80	10.12	33	33	386	331	0	0	0	0
	W	12B-0sw	0.097	sw	3.37	3.35	0	0	0	0	0	0	0	0
	G	10D-v	0.340	sw	11.80	7.08	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.06	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.52	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	nw	3.37	3.35	0	0	0	0	100	62	207	206
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	16	0	188	322
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	16	0	193	331
	G	4B5-2fv	0.340	nw	11.80	20.28	0	0	0	0	6	0	73	125
	G	4B5-2fv	0.340	nw	11.80	21.90	0	0	0	0	0	0	0	0
	D	11J0	0.600	nw	20.82	18.57	0	0	0	0	0	0	0	0
	P	12C-0sw	0.091	-	3.16	1.46	0	0	0	0	0	0	0	0
	D	11D0	0.390	n	13.53	12.07	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.11	1.74	98	98	109	171	130	130	144	227
	F	22A-cpm	1.180	-	40.95	0.00	98	10	389	0	130	10	409	0
6	c) AED excursion									-57				276
	Envelope loss/gain									1093	653			1214 1488
12	a) Infiltration									205	54			215 57
	b) Room ventilation									0	0			0 0
13	Internal gains:		Occupants @	230			0			0	0			0 0
			Appliances/other							0	0			0 0
	Subtotal (lines 6 to 13)									1298	707			1430 1545
	Less external load									0	0			0 0
	Less transfer									0	0			0 0
	Redistribution									4	6			430 340
14	Subtotal									1302	714			1860 1885
15	Duct loads						11%	32%		141	229	11%	32%	201 605
	Total room load									1443	943			2061 2490
	Air required (cfm)									0	42			0 110

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



Right-Suite® Universal 2025 25.0.01 RSU57803

2025-Sep-25 16:15:15

...Lot 22 2169 CR LHG-NW Lot 22 2169 CR LHG-NW.rup Calc = MJ8 Front Door faces: NW

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Right-J® Worksheet

Entire House

Strada Services

Job: Lot 22 2169 CR LHG-NW
 Date: 9/25/25
 By: RI

531 Codisco Way, Sanford, FL 32771 License: CAC043953

						MWIC2								
1	Room name					11.0 ft				0 ft				
2	Exposed wall					10.0 ft		heat/cool		10.0 ft		heat/cool		
3	Room height					1.0		x 28.0 ft		6.5		x 4.5 ft		
4	Room dimensions					28.0 ft²				29.2 ft²				
5	Room area													
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12B-0sw	0.097	ne	3.37	3.35	50	50	168	167	0	0	0	0
	G	10D-v	0.340	ne	11.80	14.20	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	se	3.37	3.35	0	0	0	0	0	0	0	0
	G	10D-v	0.340	se	11.80	7.08	0	0	0	0	0	0	0	0
11	G	4A5-2ov	0.340	se	11.80	20.52	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	se	11.80	10.12	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	sw	3.37	3.35	0	0	0	0	0	0	0	0
	G	10D-v	0.340	sw	11.80	7.08	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.06	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	sw	11.80	20.52	0	0	0	0	0	0	0	0
	W	12B-0sw	0.097	nw	3.37	3.35	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	20.28	0	0	0	0	0	0	0	0
	G	4B5-2fv	0.340	nw	11.80	21.90	0	0	0	0	0	0	0	0
	D	11J0	0.600	nw	20.82	18.57	0	0	0	0	0	0	0	0
	P	12C-0sw	0.091	-	3.16	1.46	60	60	189	88	0	0	0	0
	D	11D0	0.390	n	13.53	12.07	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.11	1.74	28	28	31	49	29	29	32	51
	F	22A-cpm	1.180	-	40.95	0.00	28	11	450	0	29	0	0	0
6	c) AED excursion									-25				-4
	Envelope loss/gain									839	279		32	47
12	a) Infiltration								108	29			0	0
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @		230		0			0	0			0
			Appliances/other							0				0
	Subtotal (lines 6 to 13)									947	308		32	47
	Less external load									0	0		0	0
	Less transfer									0	0		0	0
	Redistribution									0	0		-32	-47
14	Subtotal									947	308		0	0
15	Duct loads						11%	32%		102	99	11%	32%	0
	Total room load									1049	406		0	0
	Air required (cfm)									0	18		0	0

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



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...Lot 22 2169 CR LHG-NW Lot 22 2169 CR LHG-NW.rup Calc = MJ8 Front Door faces: NW

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Duct System Summary

Entire House

Strada Services

Job: Lot 22 2169 CR LHG-NW
 Date: 9/25/25
 By: RI

531 Codisco Way, Sanford, FL 32771 License: CAC043953

Project Information

For: Adams Homes Gainesville
 247 SW Bellflower Dr, Lake City, FL 32024

	Heating	Cooling
External static pressure	0.50 in H2O	0.50 in H2O
Pressure losses	0.16 in H2O	0.16 in H2O
Available static pressure	0.34 in H2O	0.34 in H2O
Supply / return available pressure	0.170 / 0.170 in H2O	0.170 / 0.170 in H2O
Lowest friction rate	0.198 in/100ft	0.198 in/100ft
Actual air flow	0 cfm	1167 cfm
Total effective length (TEL)	171 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
BTH2	c 782	0	35	0.308	4.0	0x0	VIFx	10.5	100.0	st1
Bed 2	c 2725	0	121	0.294	7.0	0x0	VIFx	15.5	100.0	st1
Bed 3	c 1704	0	76	0.285	6.0	0x0	VIFx	19.3	100.0	st1
Bed 4	c 3483	0	154	0.267	7.0	0x0	VIFx	27.3	100.0	st1
DIN	c 2746	0	122	0.254	6.0	0x0	VIFx	34.0	100.0	st3
FAMILY	c 1228	0	54	0.249	6.0	0x0	VIFx	36.7	100.0	st3
FAMILY-A	c 1228	0	54	0.262	6.0	0x0	VIFx	30.0	100.0	st3
KIT	c 2048	0	91	0.260	6.0	0x0	VIFx	30.7	100.0	st3
LAUN	c 1151	0	51	0.221	5.0	0x0	VIFx	54.0	100.0	st2
LIV	c 2490	0	110	0.253	6.0	0x0	VIFx	34.5	100.0	st3
M Bed	c 2089	0	93	0.208	6.0	0x0	VIFx	58.2	105.0	st2
M Bed-A	c 2089	0	93	0.198	6.0	0x0	VIFx	61.5	110.0	st2
MBTH	c 641	0	28	0.210	5.0	0x0	VIFx	56.7	105.0	st2
MWIC1	c 329	0	15	0.208	4.0	0x0	VIFx	58.3	105.0	st2
MWIC2	c 406	0	18	0.204	4.0	0x0	VIFx	61.5	105.0	st2
NOOK	c 943	0	42	0.239	5.0	0x0	VIFx	42.2	100.0	st3
WIC3	c 244	0	11	0.302	4.0	0x0	VIFx	12.7	100.0	st1

Supply Trunk Detail Table

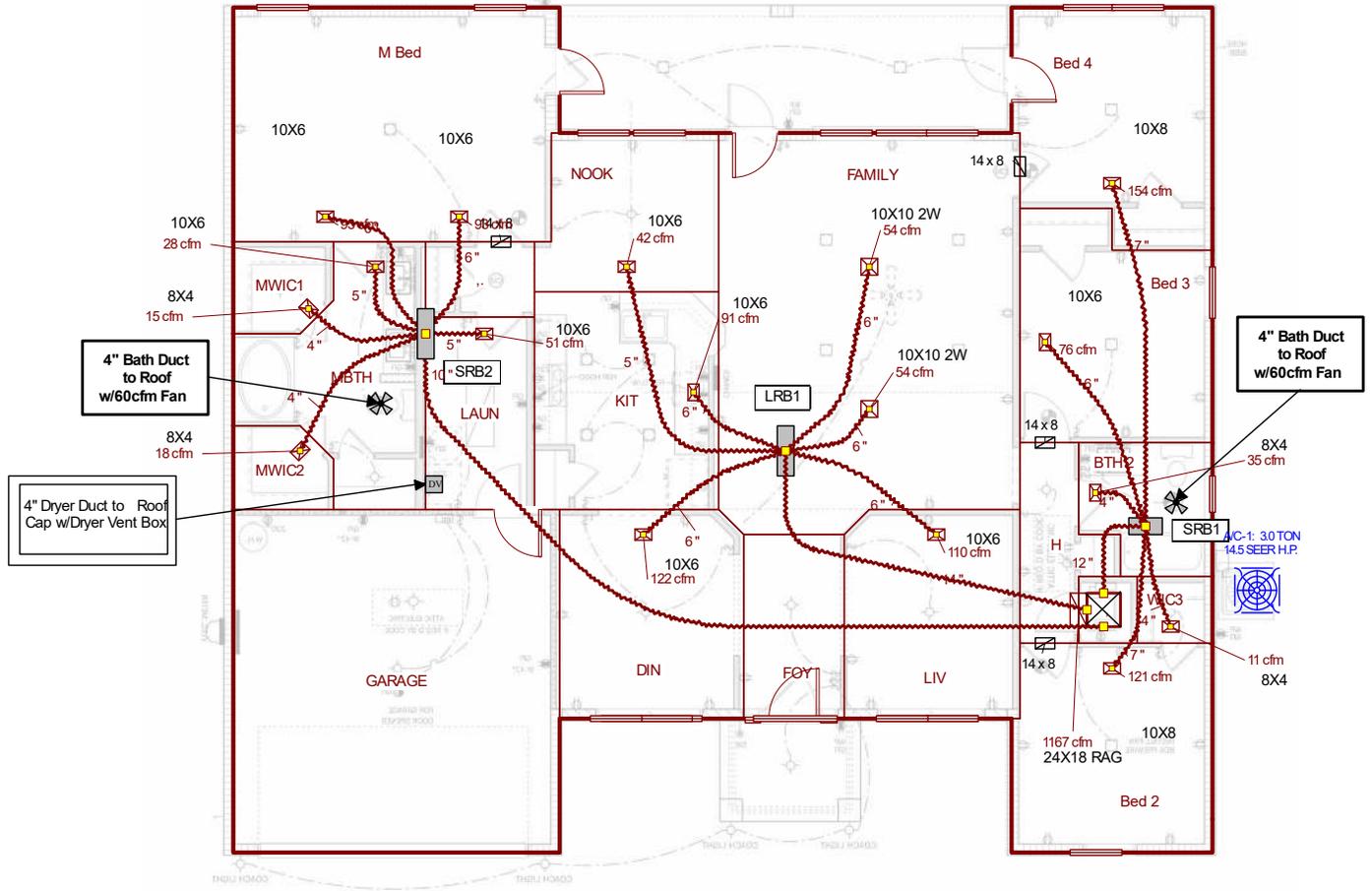
Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st2	Peak AVF	0	297	0.198	545	10.0	0 x 0	VinIFlx	
st3	Peak AVF	0	474	0.239	443	14.0	0 x 0	VinIFlx	
st1	Peak AVF	0	396	0.267	504	12.0	0 x 0	VinIFlx	

Return Branch Detail Table

Name	Grille Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	0	1167	0	0	0	0	0x 0		VIFx	



Level 1



Job #: Lot 22 2169 CR LHG-NW
Performed by RI for:
Adams Homes Gainesville
247 SW Bellflower Dr
Lake City, FL 32024

Strada Services
531 Codisco Way
Sanford, FL 32771
License: CAC043953

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