



Manual S Compliance Report
Entire House
Strada Services

Job: Lot 32 2265 3-Car C LHG-NW
 Date: 03/29/2022
 By: RS
 Plan: 2265

531 Codisco Way, Sanford, FL 32771 Phone: 877-906-1113 License: CAC043953

Project Information

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

Cooling Equipment

Design Conditions

Outdoor design DB:	92.4°F	Sensible gain:	25972	Btuh	Entering coil DB:	76.5°F
Outdoor design WB:	75.8°F	Latent gain:	3785	Btuh	Entering coil WB:	63.2°F
Indoor design DB:	75.0°F	Total gain:	29757	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:	28732	Btuh	111%	of load
Latent capacity:	5125	Btuh	135%	of load
Total capacity:	33857	Btuh	114%	of load SHR: 85%

Heating Equipment

Design Conditions

Outdoor design DB:	33.3°F	Heat loss:	27714	Btuh	Entering coil DB:	70.0°F
Indoor design DB:	70.0°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	128%	of load
Supplemental heat required:	0	Btuh		
			Capacity balance:	28 °F
			Economic balance:	-99 °F

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

Meets all requirements of ACCA Manual S.





Project Summary
Entire House
Strada Services

Job: Lot 32 2265 3-Car C LHG-NW
 Date: 03/29/2022
 By: RS
 Plan: 2265

531 Codisco Way, Sanford, FL 32771 Phone: 877-906-1113 License: CAC043953

Project Information

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

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db 33 °F
 Inside db 70 °F
 Design TD 37 °F

Ventilation Method MJ8

Summer Design Conditions

Outside db 92 °F
 Inside db 75 °F
 Design TD 17 °F
 Daily range M
 Relative humidity 50 %
 Moisture difference 43 gr/lb

Heating Summary

Structure 24687 Btuh
 Ducts (R-6.0) 3027 Btuh
 Central vent (0 cfm) 0 Btuh
 Humidification 0 Btuh
 Piping 0 Btuh
 Equipment load 27714 Btuh

Infiltration

Method Simplified
 Construction quality Average
 Fireplaces 0

	Heating	Cooling
Area (ft ²)	2185	2185
Volume (ft ³)	19665	19665
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	105	52

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 = 28 °F

Backup:
 Input = 0 kW, Output = 0 Btuh, 100 AFUE

Sensible Cooling Equipment Load Sizing

Structure 19508 Btuh
 Ducts (R-6.0) 6464 Btuh
 Central vent (0 cfm) 0 Btuh
 Blower 0 Btuh
 Use manufacturer's data n
 Rate/swing multiplier 0.97
 Equipment sensible load 25297 Btuh

Latent Cooling Equipment Load Sizing

Structure 2543 Btuh
 Ducts 1242 Btuh
 Central vent (0 cfm) 0 Btuh
 Equipment latent load 3785 Btuh
Equipment Total Load (Sen+Lat) 29082 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 0.045 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

Strada Services

Job: Lot 32 2265 3-Car C LHG-NW
 Date: 03/29/2022
 By: RS
 Plan: 2265

531 Codisco Way, Sanford, FL 32771 Phone: 877-906-1113 License: CAC043953

1		Room name		Entire House					M Bed					
2		Exposed wall		228.2 ft					38.5 ft					
3		Room height		8.9 ft					8.0 ft					
4		Room dimensions		2209.5 ft²					13.5 x 16.0 ft					
5		Room area							216.0 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	12C-0sw	0.091	ne	3.34	2.76	448	400	1337	1107	72	54	181	150
	G	10D-v	0.330	ne	12.11	13.92	18	0	215	248	18	0	215	248
	G	4A4-2ov	0.330	ne	12.11	17.07	30	0	363	512	0	0	0	0
11	W	12C-0sw	0.091	se	3.34	2.76	484	378	1263	1046	108	78	260	216
	G	10D-v	0.330	se	12.11	7.08	18	18	215	126	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	18.14	30	7	363	544	30	7	363	544
	G	4A4-2ov	0.330	se	12.11	15.73	15	4	182	236	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	8.86	30	30	363	266	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	8.86	12	12	151	111	0	0	0	0
	W	12C-0sw	0.091	s	3.34	2.76	42	30	100	83	0	0	0	0
	G	4A4-2ov	0.330	s	12.11	8.86	12	12	151	111	0	0	0	0
	W	16B-19ad	0.049	s	1.80	2.62	110	110	198	288	0	0	0	0
	W	12C-0sw	0.091	sw	3.34	2.76	426	384	1282	1061	128	128	427	354
	G	10D-v	0.330	sw	12.11	7.08	16	16	195	114	0	0	0	0
	G	4A4-2ov	0.330	sw	12.11	14.55	10	4	119	143	0	0	0	0
	G	4A4-2ov	0.330	sw	12.11	15.83	16	4	196	256	0	0	0	0
	W	12C-0sw	0.091	nw	3.34	2.76	283	177	590	488	0	0	0	0
	G	4A4-2ov	0.330	nw	12.11	17.07	30	0	363	512	0	0	0	0
	G	4A4-2ov	0.330	nw	12.11	17.07	36	0	436	614	0	0	0	0
	G	4B4-2fv	0.330	nw	12.11	19.88	7	0	85	139	0	0	0	0
	G	4B4-2fv	0.330	nw	12.11	19.88	13	0	162	265	0	0	0	0
	D	11D0	0.390	nw	14.31	11.68	20	20	286	234	0	0	0	0
	P	12C-0sw	0.091	-	3.34	1.68	232	214	715	360	0	0	0	0
	D	11D0	0.390	n	14.31	11.68	18	18	255	208	0	0	0	0
	P	12C-0sw	0.000	-	0.00	0.00	15	15	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.17	1.71	2217	2217	2603	3791	216	216	254	369
	F	22A-tp1	0.989	-	36.30	0.00	2210	228	8282	0	216	38	1397	0
6	c) AED excursion									246				38
	Envelope loss/gain								20472	13109			3099	1918
12	a) Infiltration								4215	999			724	172
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			5			1150	2			460
			Appliances/other							4250				600
	Subtotal (lines 6 to 13)								24687	19508			3823	3150
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								24687	19508			3823	3150
15	Duct loads						12%	33%	3027	6464	12%	33%	469	1044
	Total room load								27714	25972			4292	4194
	Air required (cfm)								0	1167			0	188

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



Right-J® Worksheet

Entire House

Strada Services

Job: Lot 32 2265 3-Car C LHG-NW
 Date: 03/29/2022
 By: RS
 Plan: 2265

531 Codisco Way, Sanford, FL 32771 Phone: 877-906-1113 License: CAC043953

1		Room name				Bed 4				Bed 2				
2		Exposed wall				8.0 ft 25.5 ft heat/cool				8.0 ft 28.5 ft heat/cool				
3		Room height				1.0 x 148.5 ft				11.5 x 14.5 ft				
4		Room dimensions				148.5 ft²				166.8 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	12C-0sw	0.091	ne	3.34	2.76	112	112	374	310	116	101	337	279
	G	10D-v	0.330	ne	12.11	13.92	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	ne	12.11	17.07	0	0	0	0	15	0	182	256
11	W	12C-0sw	0.091	se	3.34	2.76	92	77	257	213	0	0	0	0
	G	10D-v	0.330	se	12.11	7.08	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	18.14	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	15.73	15	4	182	236	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	8.86	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	8.86	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	s	3.34	2.76	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	s	12.11	8.86	0	0	0	0	0	0	0	0
	W	16B-19ad	0.049	s	1.80	2.62	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	sw	3.34	2.76	0	0	0	0	0	0	0	0
	G	10D-v	0.330	sw	12.11	7.08	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	sw	12.11	14.55	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	sw	12.11	15.83	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	nw	3.34	2.76	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	nw	12.11	17.07	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	nw	12.11	17.07	0	0	0	0	0	0	0	0
	G	4B4-2fv	0.330	nw	12.11	19.88	0	0	0	0	0	0	0	0
	G	4B4-2fv	0.330	nw	12.11	19.88	0	0	0	0	0	0	0	0
	D	11D0	0.390	nw	14.31	11.68	0	0	0	0	0	0	0	0
	P	12C-0sw	0.091	-	3.34	1.68	0	0	0	0	112	112	374	188
	D	11D0	0.390	n	14.31	11.68	0	0	0	0	0	0	0	0
	P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.17	1.71	148	148	174	254	167	167	196	285
	F	22A-tp1	0.989	-	36.30	0.00	148	26	926	0	167	28	1034	0
6	c) AED excursion									56				-64
	Envelope loss/gain								1913	1069			2123	945
12	a) Infiltration								480	114			273	65
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @		230		1			230	1			230
			Appliances/other							150				150
	Subtotal (lines 6 to 13)								2392	1562			2396	1390
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								2392	1562			2396	1390
15	Duct loads							12%	293	518	12%	33%	294	460
	Total room load								2686	2080			2690	1850
	Air required (cfm)								0	93			0	83

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



Right-J® Worksheet

Entire House

Strada Services

Job: Lot 32 2265 3-Car C LHG-NW
 Date: 03/29/2022
 By: RS
 Plan: 2265

531 Codisco Way, Sanford, FL 32771 Phone: 877-906-1113 License: CAC043953

1		Room name				Bed 3				Laundry				
2		Exposed wall				8.0 ft		13.5 ft		8.0 ft		10.0 ft		
3		Room height				heat/cool		heat/cool		heat/cool		heat/cool		
4		Room dimensions				1.0 x 145.2 ft		1.0 x 145.2 ft		7.5 x 11.0 ft		7.5 x 11.0 ft		
5		Room area				145.2 ft²		145.2 ft²		82.5 ft²		82.5 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	12C-0sw	0.091	ne	3.34	2.76	108	93	311	257	0	0	0	0
	G	10D-v	0.330	ne	12.11	13.92	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	ne	12.11	17.07	15	0	182	256	0	0	0	0
11	W	12C-0sw	0.091	se	3.34	2.76	0	0	0	0	0	0	0	0
	G	10D-v	0.330	se	12.11	7.08	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	18.14	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	15.73	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	8.86	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	8.86	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	s	3.34	2.76	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	s	12.11	8.86	0	0	0	0	0	0	0	0
	W	16B-19ad	0.049	s	1.80	2.62	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	sw	3.34	2.76	0	0	0	0	0	0	0	0
	G	10D-v	0.330	sw	12.11	7.08	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	sw	12.11	14.55	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	sw	12.11	15.83	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	nw	3.34	2.76	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	nw	12.11	17.07	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	nw	12.11	17.07	0	0	0	0	0	0	0	0
	G	4B4-2fv	0.330	nw	12.11	19.88	0	0	0	0	0	0	0	0
	G	4B4-2fv	0.330	nw	12.11	19.88	0	0	0	0	0	0	0	0
	D	11D0	0.390	nw	14.31	11.68	0	0	0	0	0	0	0	0
	P	12C-0sw	0.091	-	3.34	1.68	0	0	0	0	80	62	208	104
	D	11D0	0.390	n	14.31	11.68	0	0	0	0	18	18	255	208
	P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.17	1.71	145	145	171	248	82	82	97	141
	F	22A-tp1	0.989	-	36.30	0.00	145	14	490	0	82	10	363	0
6	c) AED excursion									-53				-42
	Envelope loss/gain									1153	709		922	412
12	a) Infiltration								254	60			0	0
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @		230		1			230	0			0
			Appliances/other							150				500
	Subtotal (lines 6 to 13)									1407	1149		922	912
	Less external load									0	0		0	0
	Less transfer									0	0		0	0
	Redistribution									0	0		0	0
14	Subtotal									1407	1149		922	912
15	Duct loads						12%	33%		172	381	12%	33%	113
	Total room load									1579	1530		1035	1214
	Air required (cfm)									0	69		0	55

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



Right-J® Worksheet

Entire House

Strada Services

Job: Lot 32 2265 3-Car C LHG-NW
 Date: 03/29/2022
 By: RS
 Plan: 2265

531 Codisco Way, Sanford, FL 32771 Phone: 877-906-1113 License: CAC043953

1 Room name				M WIC Int				Kitchen/Nook						
2 Exposed wall				0 ft				8.7 ft						
3 Room height				8.0 ft				10.0 ft						
4 Room dimensions				5.0 x 7.0 ft				1.0 x 289.2 ft						
5 Room area				35.0 ft²				289.2 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	12C-0sw	0.091	ne	3.34	2.76	0	0	0	0	0	0	0	0
	G	10D-v	0.330	ne	12.11	13.92	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	ne	12.11	17.07	0	0	0	0	0	0	0	0
11	W	12C-0sw	0.091	se	3.34	2.76	0	0	0	0	45	32	109	90
	G	10D-v	0.330	se	12.11	7.08	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	18.14	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	15.73	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	8.86	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	8.86	0	0	0	0	12	12	151	111
	W	12C-0sw	0.091	s	3.34	2.76	0	0	0	0	42	30	100	83
	G	4A4-2ov	0.330	s	12.11	8.86	0	0	0	0	12	12	151	111
	W	16B-19ad	0.049	s	1.80	2.62	0	0	0	0	40	40	72	105
	W	12C-0sw	0.091	sw	3.34	2.76	0	0	0	0	0	0	0	0
	G	10D-v	0.330	sw	12.11	7.08	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	sw	12.11	14.55	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	sw	12.11	15.83	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	nw	3.34	2.76	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	nw	12.11	17.07	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	nw	12.11	17.07	0	0	0	0	0	0	0	0
	G	4B4-2fv	0.330	nw	12.11	19.88	0	0	0	0	0	0	0	0
	G	4B4-2fv	0.330	nw	12.11	19.88	0	0	0	0	0	0	0	0
	D	11D0	0.390	nw	14.31	11.68	0	0	0	0	0	0	0	0
	P	12C-0sw	0.091	-	3.34	1.68	0	0	0	0	0	0	0	0
	D	11D0	0.390	n	14.31	11.68	0	0	0	0	0	0	0	0
	P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.17	1.71	35	35	41	60	289	289	340	495
	F	22A-tpl	0.989	-	36.30	0.00	35	0	0	0	289	9	315	0
6	c) AED excursion													
	Envelope loss/gain								41	57			1237	894
12	a) Infiltration								0	0			300	71
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			0				0			0
			Appliances/other								0			1200
	Subtotal (lines 6 to 13)								41	57			1537	2165
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								41	57			1537	2165
15	Duct loads						12%	33%	5	19	12%	33%	188	718
	Total room load								46	76			1725	2883
	Air required (cfm)								0	3			0	130

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



Right-J® Worksheet

Entire House

Strada Services

Job: Lot 32 2265 3-Car C LHG-NW
 Date: 03/29/2022
 By: RS
 Plan: 2265

531 Codisco Way, Sanford, FL 32771 Phone: 877-906-1113 License: CAC043953

1 Room name				Fam/Din/Foy				MWC						
2 Exposed wall				36.5 ft				0 ft						
3 Room height				10.0 ft				8.0 ft						
4 Room dimensions				1.0 x 636.5 ft				1.0 x 20.9 ft						
5 Room area				636.5 ft²				20.9 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	12C-0sw	0.091	ne	3.34	2.76	0	0	0	0	0	0	0	0
	G	10D-v	0.330	ne	12.11	13.92	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	ne	12.11	17.07	0	0	0	0	0	0	0	0
11	W	12C-0sw	0.091	se	3.34	2.76	165	117	391	324	0	0	0	0
	G	10D-v	0.330	se	12.11	7.08	18	18	215	126	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	18.14	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	15.73	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	8.86	30	30	363	266	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	8.86	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	s	3.34	2.76	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	s	12.11	8.86	0	0	0	0	0	0	0	0
	W	16B-19ad	0.049	s	1.80	2.62	70	70	126	183	0	0	0	0
	W	12C-0sw	0.091	sw	3.34	2.76	10	10	33	28	0	0	0	0
	G	10D-v	0.330	sw	12.11	7.08	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	sw	12.11	14.55	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	sw	12.11	15.83	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	nw	3.34	2.76	175	99	329	273	0	0	0	0
	G	4A4-2ov	0.330	nw	12.11	17.07	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	nw	12.11	17.07	36	0	436	614	0	0	0	0
	G	4B4-2fv	0.330	nw	12.11	19.88	7	0	85	139	0	0	0	0
	G	4B4-2fv	0.330	nw	12.11	19.88	13	0	162	265	0	0	0	0
	D	11D0	0.390	nw	14.31	11.68	20	20	286	234	0	0	0	0
	P	12C-0sw	0.091	-	3.34	1.68	0	0	0	0	0	0	0	0
	D	11D0	0.390	n	14.31	11.68	0	0	0	0	0	0	0	0
	P	12C-0sw	0.000	-	0.00	0.00	15	15	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.17	1.71	636	636	748	1089	21	21	25	36
	F	22A-tp1	0.989	-	36.30	0.00	636	36	1325	0	21	0	0	0
6	c) AED excursion									113				-2
	Envelope loss/gain								4500	3654			25	34
12	a) Infiltration								987	234			0	0
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230		0				0	0			0
			Appliances/other							900				0
	Subtotal (lines 6 to 13)								5487	4788			25	34
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								5487	4788			25	34
15	Duct loads						12%	33%	673	1586	12%	33%	3	11
	Total room load								6160	6374			28	45
	Air required (cfm)								0	286			0	2

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



Right-J® Worksheet

Entire House

Strada Services

Job: Lot 32 2265 3-Car C LHG-NW
 Date: 03/29/2022
 By: RS
 Plan: 2265

531 Codisco Way, Sanford, FL 32771 Phone: 877-906-1113 License: CAC043953

1		Room name				Bth 2				Living				
2		Exposed wall				8.0 ft		5.0 ft		8.8 ft		31.0 ft		
3		Room height				heat/cool				heat/cool				
4		Room dimensions				42.5 ft ²		5.0 x 8.5 ft		168.8 ft ²		13.5 x 12.5 ft		
5		Room area												
	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	12C-0sw	0.091	ne	3.34	2.76	0	0	0	0	40	40	134	111
	G	10D-v	0.330	ne	12.11	13.92	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	ne	12.11	17.07	0	0	0	0	0	0	0	0
11	W	12C-0sw	0.091	se	3.34	2.76	0	0	0	0	14	14	45	37
	G	10D-v	0.330	se	12.11	7.08	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	18.14	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	15.73	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	8.86	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	8.86	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	s	3.34	2.76	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	s	12.11	8.86	0	0	0	0	0	0	0	0
	W	16B-19ad	0.049	s	1.80	2.62	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	sw	3.34	2.76	0	0	0	0	100	84	280	232
	G	10D-v	0.330	sw	12.11	7.08	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	sw	12.11	14.55	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	sw	12.11	15.83	0	0	0	0	16	4	196	256
	W	12C-0sw	0.091	nw	3.34	2.76	0	0	0	0	108	78	260	216
	G	4A4-2ov	0.330	nw	12.11	17.07	0	0	0	0	30	0	363	512
	G	4A4-2ov	0.330	nw	12.11	17.07	0	0	0	0	0	0	0	0
	G	4B4-2fv	0.330	nw	12.11	19.88	0	0	0	0	0	0	0	0
	G	4B4-2fv	0.330	nw	12.11	19.88	0	0	0	0	0	0	0	0
	D	11D0	0.390	nw	14.31	11.68	0	0	0	0	0	0	0	0
	P	12C-0sw	0.091	-	3.34	1.68	40	40	134	67	0	0	0	0
	D	11D0	0.390	n	14.31	11.68	0	0	0	0	0	0	0	0
	P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0	0	0	0	0
	C	16B-30ad	0.032	-	1.17	1.71	42	42	50	73	176	176	207	301
	F	22A-tp1	0.989	-	36.30	0.00	42	5	181	0	169	31	1125	0
6	c) AED excursion									-6				259
	Envelope loss/gain								365	134			2610	1924
12	a) Infiltration								0	0			615	146
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @		230		0			0	0			0
			Appliances/other							0				600
	Subtotal (lines 6 to 13)								365	134			3225	2669
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								365	134			3225	2669
15	Duct loads						12%	33%	45	44	12%	33%	395	885
	Total room load								410	178			3620	3554
	Air required (cfm)								0	8			0	160

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



Right-J® Worksheet

Entire House

Strada Services

Job: Lot 32 2265 3-Car C LHG-NW
 Date: 03/29/2022
 By: RS
 Plan: 2265

531 Codisco Way, Sanford, FL 32771 Phone: 877-906-1113 License: CAC043953

1 Room name				M WIC Ext				Bath 3						
2 Exposed wall				7.0 ft				13.5 ft						
3 Room height				8.0 ft				8.0 ft						
4 Room dimensions				5.5 x 7.0 ft				1.0 x 7.2 ft						
5 Room area				38.5 ft²				77.2 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
11	W	12C-0sw	0.091	ne	3.34	2.76	0	0	0	0	0	0	0	0
	G	10D-v	0.330	ne	12.11	13.92	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	ne	12.11	17.07	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	se	3.34	2.76	0	0	0	0	60	60	200	166
	G	10D-v	0.330	se	12.11	7.08	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	18.14	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	15.73	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	8.86	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	se	12.11	8.86	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	s	3.34	2.76	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	s	12.11	8.86	0	0	0	0	0	0	0	0
	W	16B-19ad	0.049	s	1.80	2.62	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	sw	3.34	2.76	56	56	187	155	48	32	106	88
	G	10D-v	0.330	sw	12.11	7.08	0	0	0	0	16	16	195	114
	G	4A4-2ov	0.330	sw	12.11	14.55	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	sw	12.11	15.83	0	0	0	0	0	0	0	0
	W	12C-0sw	0.091	nw	3.34	2.76	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	nw	12.11	17.07	0	0	0	0	0	0	0	0
	G	4A4-2ov	0.330	nw	12.11	17.07	0	0	0	0	0	0	0	0
	G	4B4-2fv	0.330	nw	12.11	19.88	0	0	0	0	0	0	0	0
G	4B4-2fv	0.330	nw	12.11	19.88	0	0	0	0	0	0	0	0	
D	11D0	0.390	nw	14.31	11.68	0	0	0	0	0	0	0	0	
P	12C-0sw	0.091	-	3.34	1.68	0	0	0	0	0	0	0	0	
D	11D0	0.390	n	14.31	11.68	0	0	0	0	0	0	0	0	
P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0	0	0	0	0	
C	16B-30ad	0.032	-	1.17	1.71	38	38	45	66	77	77	91	132	
F	22A-tp1	0.989	-	36.30	0.00	38	7	254	0	77	14	490	0	
6	c) AED excursion								-11				15	
	Envelope loss/gain								486	210			1083	515
12	a) Infiltration								132	31			254	60
	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)								618	241			1337	576
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								618	241			1337	576
15	Duct loads					12%	33%		76	80	12%	33%	164	191
	Total room load								694	321			1501	766
	Air required (cfm)								0	14			0	34

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



Right-J® Worksheet

Entire House

Strada Services

Job: Lot 32 2265 3-Car C LHG-NW
 Date: 03/29/2022
 By: RS
 Plan: 2265

531 Codisco Way, Sanford, FL 32771 Phone: 877-906-1113 License: CAC043953

						M Bath								
1	Room name					8.0 ft		10.5 ft		heat/cool				
2	Exposed wall					1.0		x		141.9 ft				
3	Room height					141.9 ft ²								
4	Room dimensions													
5	Room area													
	Ty	Construction number	U-value (Btuh/ft ² -°F)	Or	HTM (Btuh/ft ²)		Area (ft ²) or perimeter (ft)		Load (Btuh)		Area or perimeter		Load	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-0sw	0.091	ne	3.34	2.76	0	0	0	0				
	G	10D-v	0.330	ne	12.11	13.92	0	0	0	0				
	G	4A4-2ov	0.330	ne	12.11	17.07	0	0	0	0				
11	W	12C-0sw	0.091	se	3.34	2.76	0	0	0	0				
	G	10D-v	0.330	se	12.11	7.08	0	0	0	0				
	G	4A4-2ov	0.330	se	12.11	18.14	0	0	0	0				
	G	4A4-2ov	0.330	se	12.11	15.73	0	0	0	0				
	G	4A4-2ov	0.330	se	12.11	8.86	0	0	0	0				
	G	4A4-2ov	0.330	se	12.11	8.86	0	0	0	0				
	W	12C-0sw	0.091	s	3.34	2.76	0	0	0	0				
	G	4A4-2ov	0.330	s	12.11	8.86	0	0	0	0				
	W	16B-19ad	0.049	s	1.80	2.62	0	0	0	0				
	W	12C-0sw	0.091	sw	3.34	2.76	84	74	248	205				
	G	10D-v	0.330	sw	12.11	7.08	0	0	0	0				
	G	4A4-2ov	0.330	sw	12.11	14.55	10	4	119	143				
	G	4A4-2ov	0.330	sw	12.11	15.83	0	0	0	0				
	W	12C-0sw	0.091	nw	3.34	2.76	0	0	0	0				
	G	4A4-2ov	0.330	nw	12.11	17.07	0	0	0	0				
	G	4A4-2ov	0.330	nw	12.11	17.07	0	0	0	0				
	G	4B4-2fv	0.330	nw	12.11	19.88	0	0	0	0				
	G	4B4-2fv	0.330	nw	12.11	19.88	0	0	0	0				
	D	11D0	0.390	nw	14.31	11.68	0	0	0	0				
	P	12C-0sw	0.091	-	3.34	1.68	0	0	0	0				
	D	11D0	0.390	n	14.31	11.68	0	0	0	0				
	P	12C-0sw	0.000	-	0.00	0.00	0	0	0	0				
	C	16B-30ad	0.032	-	1.17	1.71	142	142	167	243				
	F	22A-tpl	0.989	-	36.30	0.00	142	10	381	0				
6	c) AED excursion									43				
	Envelope loss/gain								915	635				
12	a) Infiltration								197	47				
	b) Room ventilation								0	0				
13	Internal gains:		Occupants @	230			0			0				
			Appliances/other							0				
	Subtotal (lines 6 to 13)								1112	681				
	Less external load								0	0				
	Less transfer								0	0				
	Redistribution								0	0				
14	Subtotal								1112	681				
15	Duct loads						12%	33%	136	226				
	Total room load								1249	907				
	Air required (cfm)								0	41				

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



Duct System Summary

Entire House

Strada Services

Job: Lot 32 2265 3-Car C LHG-NW
 Date: 03/29/2022
 By: RS
 Plan: 2265

531 Codisco Way, Sanford, FL 32771 Phone: 877-906-1113 License: CAC043953

Project Information

For: Adams Homes
 461 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	0.199 in/100ft	0.199 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
Bath 3	c 766	0	34	0.199	4.0	0x0	VIFx	35.6	135.0	st2
Bed 2	c 1850	0	83	0.240	6.0	0x0	VIFx	21.8	120.0	st2
Bed 3	c 1530	0	69	0.238	6.0	0x0	VIFx	22.9	120.0	st2
Bed 4	c 2080	0	93	0.205	6.0	0x0	VIFx	35.8	130.0	st2
Bth 2	c 178	0	8	0.236	4.0	0x0	VIFx	19.0	125.0	st2
Fam/Din/Foy	c 2125	0	95	0.423	6.0	0x0	VIFx	5.3	75.0	
Fam/Din/Foy-A	c 2125	0	95	0.224	6.0	0x0	VIFx	26.7	125.0	st2
Fam/Din/Foy-B	c 2125	0	95	0.206	6.0	0x0	VIFx	34.7	130.0	st2
Kitchen/Nook-A	c 1441	0	65	0.246	6.0	0x0	VIFx	18.4	120.0	st2
Kitchen/Nook-B	c 1441	0	65	0.209	6.0	0x0	VIFx	33.0	130.0	st2
Laundry	c 1214	0	55	0.247	5.0	0x0	VIFx	17.6	120.0	st2
Living	c 3554	0	160	0.205	7.0	0x0	VIFx	35.6	130.0	st1
M Bath	c 907	0	41	0.232	4.0	0x0	VIFx	26.4	120.0	st1
M Bed	c 4194	0	188	0.211	8.0	0x0	VIFx	36.2	125.0	st1
M WC	c 45	0	2	0.223	4.0	0x0	VIFx	27.7	125.0	st1
M WIC Ext	c 321	0	14	0.205	4.0	0x0	VIFx	35.8	130.0	st1
M WIC Int	c 76	0	3	0.230	4.0	0x0	VIFx	28.0	120.0	st1

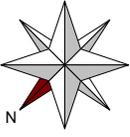
Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st1	PeakAVF	0	409	0.205	520	12.0	0 x 0	VinIFlx	
st2	PeakAVF	0	663	0.199	620	14.0	0 x 0	VinIFlx	

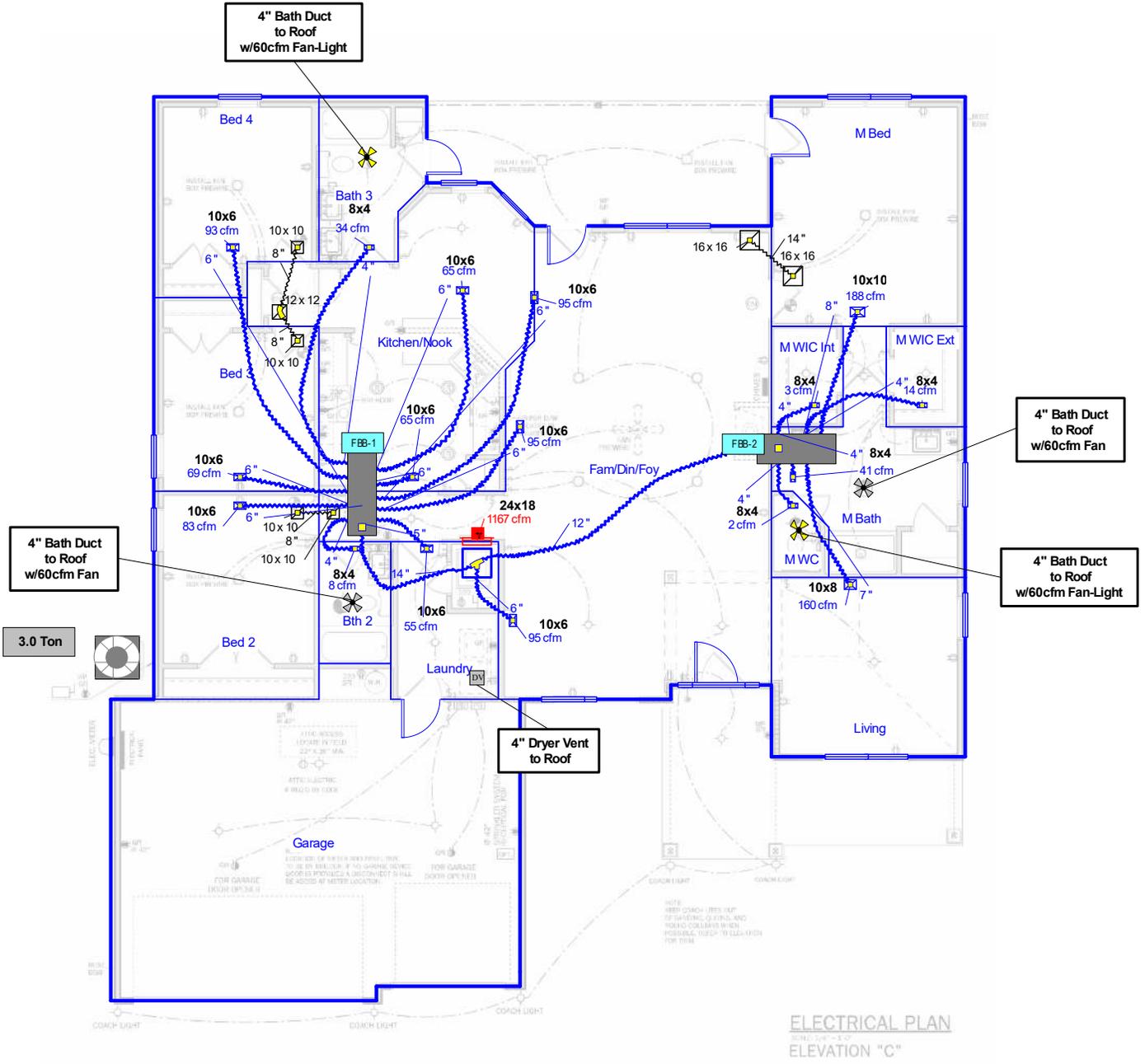


Return Branch Detail Table

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	



Main



ELECTRICAL PLAN
ELEVATION "C"

Job #: Lot 32 2265 3-Car C LHG-NW
Performed by RS for:
 Adams Homes
 461 SW Bellflower Dr
 Lake City, FL 32024

Strada Services
 531 Codisco Way
 Sanford, FL 32771
 Phone: 877-906-1113 License: CAC043953

Scale: 1 : 132
 Page 1
 Right-Suite® Universal 2025
 25.0.01 RSU57803
 2025-Nov-20 14:35:22
 ...W/Lot 32 2265 3-Car C LHG-NW.rup