



Manual S Compliance Report

AH1-1stFlr

Strada Services

Job: Southampton
Date: 9.22.2025
By: MR
Plan: Southampton

Sanford, FL 32771 Phone: 877-906-1113 Web: StradaServices.com License: CAC043953

Project Information

For: America's Home Place
FL

Cooling Equipment

Design Conditions

Outdoor design DB:	92.6°F	Sensible gain:	20999	Btuh	Entering coil DB:	76.1°F
Outdoor design WB:	76.8°F	Latent gain:	2798	Btuh	Entering coil WB:	63.0°F
Indoor design DB:	75.0°F	Total gain:	23797	Btuh		
Indoor RH:	50%	Estimated airflow:	900	cfm		

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Split ASHP		
Manufacturer:	Trane	Model:	5TWR5030A1+5TEM6B03AV21++TDR+TSTAT
Actual airflow:	900	cfm	
Sensible capacity:	23760	Btuh	113% of load
Latent capacity:	3240	Btuh	116% of load
Total capacity:	27000	Btuh	113% of load SHR: 88%

Heating Equipment

Design Conditions

Outdoor design DB:	32.8°F	Heat loss:	25891	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:	Trane	Model:	5TWR5030A1+5TEM6B03AV21++TDR+TSTAT
Actual airflow:	0	cfm	
Output capacity:	26800	Btuh	104% of load
Supplemental heat required:	0	Btuh	
			Capacity balance: 32 °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.



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Manual S Compliance Report

AH2-2ndFlr

Strada Services

Job: Southampton
Date: 9.22.2025
By: MR
Plan: Southampton

Sanford, FL 32771 Phone: 877-906-1113 Web: StradaServices.com License: CAC043953

Project Information

For: America's Home Place
FL

Cooling Equipment

Design Conditions

Outdoor design DB:	92.6°F	Sensible gain:	25788	Btuh	Entering coil DB:	78.2°F
Outdoor design WB:	76.8°F	Latent gain:	3557	Btuh	Entering coil WB:	63.9°F
Indoor design DB:	75.0°F	Total gain:	29345	Btuh		
Indoor RH:	50%	Estimated airflow:	1113	cfm		

Manufacturer's Performance Data at Actual Design Conditions

Equipment type:	Split ASHP		
Manufacturer:	Trane	Model:	5TWR5036A1+5TEM6D04AV31++TDR+TSTAT
Actual airflow:	1113	cfm	
Sensible capacity:	28628	Btuh	111% of load
Latent capacity:	3975	Btuh	112% of load
Total capacity:	32603	Btuh	111% of load SHR: 88%

Heating Equipment

Design Conditions

Outdoor design DB:	32.8°F	Heat loss:	18002	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:	Trane	Model:	5TWR5036A1+5TEM6D04AV31++TDR+TSTAT
Actual airflow:	0	cfm	
Output capacity:	31800	Btuh	177% of load
Supplemental heat required:	0	Btuh	
			Capacity balance: 15 °F
			Economic balance: -99 °F

Backup equipment type:	Elec strip		
Manufacturer:		Model:	
Actual airflow:	0	cfm	
Output capacity:	6.3	kW	119% of load Temp. rise: 50 °F

Meets all requirements of ACCA Manual S.



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Project Summary

Entire House

Strada Services

Job: Southampton
Date: 9.22.2025
By: MR
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Project Information

For: America's Home Place
FL

Notes:

Design Information

Weather: Jacksonville Intl, FL, US

Winter Design Conditions

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

Ventilation Method

Heating Summary

Structure	38979 Btuh
Ducts (R-6.0)	4819 Btuh
Central vent (0 cfm)	0 Btuh

Humidification	0 Btuh
Piping	0 Btuh
Equipment load	43799 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	3821	3821
Volume (ft³)	38901	38901
Air changes/hour	0.37	0.19
Equiv. AVF (cfm)	240	123

Heating Equipment Summary

Make	n/a
Trade	n/a
Model	n/a
AHRI ref.	n/a

Efficiency	n/a
Heating input	
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	n/a

Summer Design Conditions

Outside db	93 °F
Inside db	75 °F
Design TD	18 °F
Daily range	M
Relative humidity	50 %
Moisture difference	49 gr/lb

Sensible Cooling Equipment Load Sizing

Structure	36589 Btuh
Ducts (R-6.0)	9895 Btuh
Central vent (0 cfm)	0 Btuh

Blower	0 Btuh
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Use manufacturer's data	n
Rate/swing multiplier	0.98
Equipment sensible load	45369 Btuh

Latent Cooling Equipment Load Sizing

Structure	5329 Btuh
Ducts	2076 Btuh
Central vent (0 cfm)	0 Btuh

Equipment latent load	7406 Btuh
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Equipment Total Load (Sen+Lat)	52774 Btuh
Req. total capacity at 0.70 SHR	5.4 ton

Cooling Equipment Summary

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a
AHRI ref.	n/a

Efficiency	n/a
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0

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



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Project Summary

AH1-1stFlr

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Project Information

For: America's Home Place
FL

Notes:

Design Information

Weather: Jacksonville Intl, FL, US

Winter Design Conditions

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

Ventilation Method MJ8

Heating Summary

Structure	24969 Btuh
Ducts (R-6.0)	1827 Btuh
Central vent (0 cfm)	0 Btuh

Humidification	0 Btuh
Piping	0 Btuh
Equipment load	26796 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	2322	2322
Volume (ft³)	22343	22343
Air changes/hour	0.34	0.17
Equiv. AVF (cfm)	125	64

Heating Equipment Summary

Make	Trane
Trade	TRANE
Model	5TWR5030A1
AHRI ref	214077703

Efficiency	8.1 HSPF2
Heating input	
Heating output	26800 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 = 33 °F	

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

Summer Design Conditions

Outside db	93 °F
Inside db	75 °F
Design TD	18 °F
Daily range	M
Relative humidity	50 %
Moisture difference	49 gr/lb

Sensible Cooling Equipment Load Sizing

Structure	19205 Btuh
Ducts (R-6.0)	2372 Btuh
Central vent (0 cfm)	0 Btuh

Blower 0 Btuh

Use manufacturer's data	n
Rate/swing multiplier	0.98
Equipment sensible load	21059 Btuh

Latent Cooling Equipment Load Sizing

Structure	2551 Btuh
Ducts	349 Btuh
Central vent (0 cfm)	0 Btuh

Equipment latent load 2900 Btuh

Equipment Total Load (Sen+Lat)	23959 Btuh
Req. total capacity at 0.80 SHR	2.2 ton

Cooling Equipment Summary

Make	Trane
Trade	TRANE
Cond	5TWR5030A1
Coil	5TEM6B03AV21++TDR+TSTAT
AHRI ref	214077703

Efficiency	11.7 EER2, 15.2 SEER2
Sensible cooling	21600 Btuh
Latent cooling	5400 Btuh
Total cooling	27000 Btuh
Actual air flow	900 cfm
Air flow factor	0.042 cfm/Btuh
Static pressure	0.50 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

AH2-2ndFlr

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Project Information

For: America's Home Place
FL

Notes:

Design Information

Weather: Jacksonville Intl, FL, US

Winter Design Conditions

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

Ventilation Method MJ8

Heating Summary

Structure	14010 Btuh
Ducts (R-6.0)	2993 Btuh
Central vent (0 cfm)	0 Btuh

Humidification	0 Btuh
Piping	0 Btuh
Equipment load	17003 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1499	1499
Volume (ft³)	16558	16558
Air changes/hour	0.42	0.21
Equiv. AVF (cfm)	115	59

Heating Equipment Summary

Make	Trane
Trade	TRANE
Model	5TWR5036A1
AHRI ref	214078521

Efficiency	8.5 HSPF2
Heating input	
Heating output	31800 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 = 14 °F	

Backup:
Input = 6 kW, Output = 21497 Btuh, 100 AFUE

Summer Design Conditions

Outside db	93 °F
Inside db	75 °F
Design TD	18 °F
Daily range	M
Relative humidity	50 %
Moisture difference	49 gr/lb

Sensible Cooling Equipment Load Sizing

Structure	17384 Btuh
Ducts (R-6.0)	7523 Btuh
Central vent (0 cfm)	0 Btuh

Blower 0 Btuh

Use manufacturer's data	n
Rate/swing multiplier	0.98
Equipment sensible load	24310 Btuh

Latent Cooling Equipment Load Sizing

Structure	2779 Btuh
Ducts	1728 Btuh
Central vent (0 cfm)	0 Btuh

Equipment latent load 4506 Btuh

Equipment Total Load (Sen+Lat)	28816 Btuh
Req. total capacity at 0.80 SHR	2.5 ton

Cooling Equipment Summary

Make	Trane
Trade	TRANE
Cond	5TWR5036A1
Coil	5TEM6D04AV31++TDR+TSTAT
AHRI ref	214078521

Efficiency	12.0 EER2, 16 SEER2
Sensible cooling	26720 Btuh
Latent cooling	6680 Btuh
Total cooling	33400 Btuh
Actual air flow	1113 cfm
Air flow factor	0.045 cfm/Btuh
Static pressure	0.50 in H2O
Load sensible heat ratio	0.85

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



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1	Room name					Entire House					AH1-1stFlr			
2	Exposed wall					419.4 ft					233.9 ft			
3	Room height					9.5 ft					9.6 ft			
4	Room dimensions					4108.0 ft²					2333.2 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	12C-0sw	0.091	n	3.39	2.79	778	773	2618	2156	391	386	1308	1077
	G	2B-2fv	0.330	n	12.28	11.20	5	0	61	56	5	0	61	56
	W	12C-0sw	0.091	e	3.39	2.79	977	758	2568	2114	544	385	1302	1072
	G	10C-v	0.330	e	12.28	14.48	48	25	589	695	48	25	589	695
11	G	2A-2ov	0.330	e	12.28	26.25	15	0	184	394	0	0	0	0
	G	2A-2ov	0.330	e	12.28	26.25	15	0	184	394	0	0	0	0
	G	2A-2ov	0.330	e	12.28	26.25	15	0	184	394	0	0	0	0
	G	2A-2ov	0.330	e	12.28	26.25	15	0	184	394	0	0	0	0
	G	2A-2ov	0.330	e	12.28	26.25	18	0	215	459	18	0	215	459
	G	2A-2ov	0.330	e	12.28	26.25	18	0	215	459	18	0	215	459
	G	2A-2ov	0.330	e	12.28	26.25	18	0	215	459	18	0	215	459
	G	2A-2ov	0.330	e	12.28	22.27	36	9	442	802	36	9	442	802
	G	2B-2fv	0.330	e	12.28	26.25	9	0	110	236	9	0	110	236
	G	2B-2fv	0.330	e	12.28	26.25	14	0	166	354	14	0	166	354
	W	12C-0sw	0.091	s	3.39	2.79	660	660	2235	1840	273	273	924	761
	W	12C-0sw	0.091	w	3.39	2.79	1196	904	3062	2521	673	517	1752	1442
	G	10C-v	0.330	w	12.28	16.26	36	14	442	585	36	14	442	585
	G	2A-2ov	0.330	w	12.28	26.25	60	0	737	1575	0	0	0	0
	G	2A-2ov	0.330	w	12.28	26.25	15	0	189	405	0	0	0	0
	G	2A-2ov	0.330	w	12.28	26.25	36	0	442	945	0	0	0	0
	G	2A-2ov	0.330	w	12.28	11.74	12	10	147	141	12	10	147	141
	G	2A-2ov	0.330	w	12.28	13.53	12	9	147	162	12	9	147	162
	G	2A-2ov	0.330	w	12.28	26.25	36	0	442	945	36	0	442	945
	G	2A-2ov	0.330	w	12.28	26.25	36	0	442	945	36	0	442	945
	G	2B-2fv	0.330	w	12.28	26.25	24	0	295	630	0	0	0	0
	G	2B-2fv	0.330	w	12.28	26.25	24	0	295	630	24	0	295	630
	R	12B-0sw	0.097	-	3.61	1.69	337	315	1138	532	337	315	1138	532
	D	11D0	0.390	n	14.51	11.78	21	21	310	251	21	21	310	251
	C	16B-38ad	0.026	-	0.97	1.40	454	454	439	634	454	454	439	634
	C	A-Standard Blown R-3	0.026	-	0.97	1.40	1894	1894	1832	2644	119	119	115	166
	F	22A-tpl	0.989	-	36.79	0.00	2348	235	8648	0	2348	235	8648	0

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

Sanford, FL 32771 Phone: 877-906-1113 Web: StradaServices.com License: CAC043953

1	Room name					AH1-1stFlr				Great Room					
2	Exposed wall					233.9 ft				23.0 ft					
3	Room height					9.6 ft				9.1 ft					
4	Room dimensions					233.2 ft²				18.0 x 17.0 ft					
5	Room area					306.0 ft²				heat/cool					
	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	n	3.39	2.79	391	386	1308	1077	0	0	0	0	0
	G	2B-2fv	0.330	n	12.28	11.20	5	0	61	56	0	0	0	0	0
	W	12C-0sw	0.091	e	3.39	2.79	544	385	1302	1072	0	0	0	0	0
	G	10C-v	0.330	e	12.28	14.48	48	25	589	695	0	0	0	0	0
11	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	0
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	0
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	0
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	0
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	0
	G	2A-2ov	0.330	e	12.28	26.25	18	0	215	459	0	0	0	0	0
	G	2A-2ov	0.330	e	12.28	26.25	18	0	215	459	0	0	0	0	0
	G	2A-2ov	0.330	e	12.28	26.25	18	0	215	459	0	0	0	0	0
	G	2A-2ov	0.330	e	12.28	22.27	36	9	442	802	0	0	0	0	0
	G	2B-2fv	0.330	e	12.28	26.25	9	0	110	236	0	0	0	0	0
	G	2B-2fv	0.330	e	12.28	26.25	14	0	166	354	0	0	0	0	0
	W	12C-0sw	0.091	s	3.39	2.79	273	273	924	761	46	46	154	127	0
	W	12C-0sw	0.091	w	3.39	2.79	673	517	1752	1442	164	104	351	289	0
	G	10C-v	0.330	w	12.28	16.26	36	14	442	585	0	0	0	0	0
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	0
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	0
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	0
	G	2A-2ov	0.330	w	12.28	11.74	12	10	147	141	0	0	0	0	0
	G	2A-2ov	0.330	w	12.28	13.53	12	9	147	162	0	0	0	0	0
	G	2A-2ov	0.330	w	12.28	26.25	36	0	442	945	36	0	442	945	0
	G	2A-2ov	0.330	w	12.28	26.25	36	0	442	945	0	0	0	0	0
	G	2B-2fv	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	0
	G	2B-2fv	0.330	w	12.28	26.25	24	0	295	630	24	0	295	630	0
	R	12B-0sw	0.097	-	3.61	1.69	337	315	1138	532	0	0	0	0	0
	D	11D0	0.390	n	14.51	11.78	21	21	310	251	0	0	0	0	0
	C	16B-38ad	0.026	-	0.97	1.40	454	454	439	634	0	0	0	0	0
	C	A-Standard Blown R-3	0.026	-	0.97	1.40	119	119	115	166	0	0	0	0	0
	F	22A-tpl	0.989	-	36.79	0.00	2348	235	8648	0	306	23	846	0	0
6	c) AED excursion									524				533	
	Envelope loss/gain								19863	13389			2088	2524	
12	a) Infiltration								5106	1241			568	138	
	b) Room ventilation								0	0			0	0	
13	Internal gains: Occupants @ 230						2			460	0			0	
	Appliances/other									4115				0	
	Subtotal (lines 6 to 13)								24969	19205			2656	2662	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								24969	19205			2656	2662	
15	Duct loads						7%	12%	1827	2372	5%	5%	133	133	
	Total room load								26796	21577			2789	2795	
	Air required (cfm)								0	900			0	117	

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

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1	Room name					Dining 31.0 ft					Foyer 9.5 ft				
2	Exposed wall					9.1 ft					13.0 ft				
3	Room height					15.0 x 17.0 ft					1.0 x 283.6 ft				
4	Room dimensions					255.0 ft²					283.6 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 .<															

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1	Room name					Kitch/Nook 40.0 ft					Living 30.5 ft				
2	Exposed wall					9.1 ft					9.1 ft				
3	Room height					1.0					1.0				
4	Room dimensions					489.0 ft					179.5 ft				
5	Room area					489.0 ft²					179.5 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	n	3.39	2.79	0	0	0	0	114	114	385	317	
11	G	2B-2fv	0.330	n	12.28	11.20	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.39	2.79	0	0	0	0	136	102	344	283	
	G	10C-v	0.330	e	12.28	14.48	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	18	0	215	459	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	18	0	215	459	
	G	2A-2ov	0.330	e	12.28	22.27	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.39	2.79	0	0	0	0	27	27	92	76	
	W	12C-0sw	0.091	w	3.39	2.79	214	166	561	462	0	0	0	0	
	G	10C-v	0.330	w	12.28	16.26	36	14	442	585	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	11.74	12	10	147	141	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	13.53	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	R	12B-0sw	0.097	-	3.61	1.69	150	150	542	253	0	0	0	0	
	D	11D0	0.390	n	14.51	11.78	0	0	0	0	0	0	0	0	
C	16B-38ad	0.026	-	0.97	1.40	0	0	0	0	0	0	0	0		
C	A-Standard Blown R-3	0.026	-	0.97	1.40	0	0	0	0	0	0	0	0		
F	22A-tpi	0.989	-	36.79	0.00	489	40	1472	0	180	30	1122	0		
6	c) AED excursion								308				-36		
	Envelope loss/gain								3164	1750			2373	1558	
12	a) Infiltration								580	141			753	183	
	b) Room ventilation								0	0			0	0	
13	Internal gains: Occupants @ 230						0			0	0			0	
	Appliances/other									1200			900		
	Subtotal (lines 6 to 13)								3745	3091			3126	2641	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								3745	3091			3126	2641	
15	Duct loads						5%	5%	187	155	5%	5%	156	132	
	Total room load								3932	3246			3282	2773	
	Air required (cfm)								0	135			0	116	

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

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1	Room name					MBed 14.4 ft					MBth 26.0 ft				
2	Exposed wall					9.1 ft 1.0 x 278.4 ft heat/cool					9.1 ft 1.0 x 180.5 ft heat/cool				
3	Room height														
4	Room dimensions														
5	Room area					278.4 ft²					180.5 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	n	3.39	2.79	0	0	0	0	141	136	461	379	
11	G	2B-2fv	0.330	n	12.28	11.20	0	0	0	0	5	0	61	56	
	W	12C-0sw	0.091	e	3.39	2.79	0	0	0	0	0	0	0	0	
	G	10C-v	0.330	e	12.28	14.48	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	22.27	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.39	2.79	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	w	3.39	2.79	132	96	325	267	96	96	323	266	
	G	10C-v	0.330	w	12.28	16.26	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	11.74	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	13.53	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	36	0	442	945	0	0	0	0	
	G	2B-2fv	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	R	D	12B-0sw	0.097	-	3.61	1.69	0	0	0	0	0	0	0	0
		11D0	0.390	n	14.51	11.78	0	0	0	0	0	0	0	0	
C		16B-38ad	0.026	-	0.97	1.40	0	0	0	0	180	180	175	252	
C		A-Standard Blown R-3	0.026	-	0.97	1.40	0	0	0	0	0	0	0	0	
F		22A-tpi	0.989	-	36.79	0.00	278	14	530	0	180	26	957	0	
6	c) AED excursion								189				-134		
	Envelope loss/gain								1297	1402			1977	820	
12	a) Infiltration								358	87			642	156	
	b) Room ventilation								0	0			0	0	
13	Internal gains: Occupants @ 230						2			460	0			0	0
	Appliances/other									600				0	0
	Subtotal (lines 6 to 13)								1655	2549			2619	976	
14	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
	Subtotal								1655	2549			2619	976	
15	Duct loads						5%	5%	83	127	12%	38%	305	366	
	Total room load								1738	2676			2924	1342	
	Air required (cfm)								0	112			0	56	

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

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1	Room name					MWC					MWIC				
2	Exposed wall					4.0 ft					18.5 ft				
3	Room height					heat/cool					heat/cool				
4	Room dimensions					9.1 ft	1.0	x	24.2 ft	9.1 ft	15.0	x	8.0 ft		
5	Room area					24.2 ft²				120.0 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	n	3.39	2.79	36	36	123	101	73	73	246	203	
11	G	2B-2fv	0.330	n	12.28	11.20	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.39	2.79	0	0	0	0	96	78	264	218	
	G	10C-v	0.330	e	12.28	14.48	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	18	0	215	459	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	22.27	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	11.74	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	13.53	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	R	12B-0sw	0.097	-	3.61	1.69	0	0	0	0	0	0	0	0	
D	11D0	0.390	n	14.51	11.78	0	0	0	0	0	0	0	0		
C	16B-38ad	0.026	-	0.97	1.40	24	24	23	34	84	84	81	117		
C	A-Standard Blown R-3	0.026	-	0.97	1.40	0	0	0	0	0	0	0	0		
F	22A-tpi	0.989	-	36.79	0.00	24	4	147	0	120	18	681	0		
6	c) AED excursion								-19				10		
	Envelope loss/gain								294	116			1487	1007	
12	a) Infiltration								99	24			457	111	
	b) Room ventilation								0	0			0	0	
13	Internal gains: Occupants @ 230					0			0	0	0		0	0	
	Appliances/other								0	0			0	0	
	Subtotal (lines 6 to 13)								393	140			1944	1118	
14	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
15	Subtotal								393	140			1944	1118	
	Duct loads					12%	38%		46	53	12%	38%	226	420	
	Total room load								438	193			2171	1538	
	Air required (cfm)								0	8			0	64	

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

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1	Room name					Pantry 17.5 ft					Powder 0 ft				
2	Exposed wall					9.1 ft					9.1 ft				
3	Room height					7.5					6.5				
4	Room dimensions					75.0 ft²					52.0 ft²				
5	Room area					heat/cool					heat/cool				
	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	n	3.39	2.79	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	n	12.28	11.20	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.39	2.79	0	0	0	0	0	0	0	0	
	G	10C-v	0.330	e	12.28	14.48	0	0	0	0	0	0	0	0	
11	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	22.27	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.39	2.79	91	91	308	254	0	0	0	0	
	W	12C-0sw	0.091	w	3.39	2.79	68	56	190	157	0	0	0	0	
	G	10C-v	0.330	w	12.28	16.26	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	11.74	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	13.53	12	9	147	162	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	R	12B-0sw	0.097	-	3.61	1.69	0	0	0	0	0	0	0	0	
	D	11D0	0.390	n	14.51	11.78	0	0	0	0	0	0	0	0	
	C	16B-38ad	0.026	-	0.97	1.40	75	75	73	105	0	0	0	0	
	C	A-Standard Blown R-3	0.026	-	0.97	1.40	0	0	0	0	0	0	0	0	
	F	22A-tpi	0.989	-	36.79	0.00	75	18	644	0	52	0	0	0	
					</										

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

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1	Room name					Utility/Mud								
2	Exposed wall					19.5 ft								
3	Room height					9.1 ft					heat/cool			
4	Room dimensions					7.5 x 12.0 ft								
5	Room area					90.0 ft²								
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) 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	n	3.39	2.79	0	0	0	0				
11	G	2B-2fv	0.330	n	12.28	11.20	0	0	0	0				
	W	12C-0sw	0.091	e	3.39	2.79	0	0	0	0				
	G	10C-v	0.330	e	12.28	14.48	0	0	0	0				
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0				
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0				
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0				
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0				
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0				
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0				
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0				
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0				
G	2A-2ov	0.330	e	12.28	22.27	0	0	0	0					
G	2B-2fv	0.330	e	12.28	26.25	0	0	0	0					
G	2B-2fv	0.330	e	12.28	26.25	0	0	0	0					
W	12C-0sw	0.091	s	3.39	2.79	109	109	370	304					
W	12C-0sw	0.091	w	3.39	2.79	0	0	0	0					
G	10C-v	0.330	w	12.28	16.26	0	0	0	0					
G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0					
G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0					
G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0					
G	2A-2ov	0.330	w	12.28	11.74	0	0	0	0					
G	2A-2ov	0.330	w	12.28	13.53	0	0	0	0					
G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0					
G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0					
G	2B-2fv	0.330	w	0.00	0.00	0	0	0	0					
G	2B-2fv	0.330	w	12.28	26.25	0	0	0	0					
R	12B-0sw	0.097	-	3.61	1.69	68	47	169	79					
D	11D0	0.390	n	14.51	11.78	21	21	310	251					
C	16B-38ad	0.026	-	0.97	1.40	90	90	87	126					
C	A-Standard Blown R-3	0.026	-	0.97	1.40	0	0	0	0					
F	22A-tpi	0.989	-	36.79	0.00	90	20	717	0					

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

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1	Room name					AH2-2ndFlr					2nd Liv				
2	Exposed wall					185.5 ft					12.0 ft				
3	Room height					9.3 ft					9.3 ft				
4	Room dimensions					1774.8 ft²					1.0 x 460.5 ft				
5	Room area					1774.8 ft²					460.5 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	n	3.39	2.79	387	387	1311	1079	0	0	0	0	
	G	2B-2fv	0.330	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.39	2.79	434	374	1266	1042	0	0	0	0	
	G	10C-v	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
11	G	2A-2ov	0.330	e	12.28	26.25	15	0	184	394	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	15	0	184	394	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	15	0	184	394	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	15	0	184	394	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.39	2.79	387	387	1311	1079	0	0	0	0	
	W	12C-0sw	0.091	w	3.39	2.79	522	387	1310	1079	112	97	328	270	
	G	10C-v	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	60	0	737	1575	15	0	184	394	
	G	2A-2ov	0.330	w	12.28	26.25	15	0	189	405	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	36	0	442	945	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	w	12.28	26.25	24	0	295	630	0	0	0	0	
	G	2B-2fv	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	R	12B-0sw	0.097	-	0.00	0.00	0	0	0	0	0	0	0	0	
	D	11D0	0.390	n	0.00	0.00	0	0	0	0	0	0	0	0	
	C	16B-38ad	0.026	-	0.00	0.00	0	0	0	0	0	0	0	0	
	C	A-Standard Blown R-3	0.026	-	0.97	1.40	1775	1775	1717	2478	460	460	445	643	
	F	22A-tpl	0.989	-	0.00	0.00	0	0	0	0	0	0	0	0	

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

Sanford, FL 32771 Phone: 877-906-1113 Web: StradaServices.com License: CAC043953

1	Room name					Bed 2 28.0 ft					Bed 3 29.5 ft				
2	Exposed wall					9.3 ft					9.3 ft				
3	Room height					15.0 x 13.0 ft					15.0 x 13.0 ft				
4	Room dimensions					195.0 ft²					195.0 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	n	3.39	2.79	121	121	411	338	121	121	411	338	
11	G	2B-2fv	0.330	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.39	2.79	0	0	0	0	140	110	372	306	
	G	10C-v	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	15	0	184	394	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	15	0	184	394	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
W	12C-0sw	0.091	s	3.39	2.79	0	0	0	0	14	14	47	39		
W	12C-0sw	0.091	w	3.39	2.79	140	110	372	306	0	0	0	0		
	G	10C-v	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	30	0	368	787	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	R	12B-0sw	0.097	-	0.00	0.00	0	0	0	0	0	0	0	0	
D	11D0	0.390	n	0.00	0.00	0	0	0	0	0	0	0	0		
C	16B-38ad	0.026	-	0.00	0.00	0	0	0	0	0	0	0	0		
C	A-Standard Blown R-3	0.026	-	0.97	1.40	195	195	189	272	195	195	189	272		
F	22A-tpi	0.989	-	0.00	0.00	0	0	0	0	0	0	0	0		

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

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1	Room name					Bed 4 29.5 ft					Bed 5 25.0 ft				
2	Exposed wall					9.3 ft					9.3 ft				
3	Room height					1.0					11.5				
4	Room dimensions					185.8 ft					13.5 ft				
5	Room area					185.8 ft²					155.2 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	n	3.39	2.79	14	14	47	39	0	0	0	0	
11	G	2B-2fv	0.330	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.39	2.79	140	110	372	306	0	0	0	0	
	G	10C-v	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	15	0	184	394	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	15	0	184	394	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.39	2.79	121	121	411	338	126	126	426	351	
	W	12C-0sw	0.091	w	3.39	2.79	0	0	0	0	107	77	260	214	
	G	10C-v	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	15	0	184	394	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	15	0	189	405	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
G	2B-2fv	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0		
R	12B-0sw	0.097	-	0.00	0.00	0	0	0	0	0	0	0	0		
D	11D0	0.390	n	0.00	0.00	0	0	0	0	0	0	0	0		
C	16B-38ad	0.026	-	0.00	0.00	0	0	0	0	0	0	0	0		
C	A-Standard Blown R-3	0.026	-	0.97	1.40	186	186	180	259	155	155	150	217		
F	22A-tpl	0.989	-	0.00	0.00	0	0	0	0	0	0	0	0		
6	c) AED excursion								69				245		
	Envelope loss/gain								1378	1799			1210	1826	
12	a) Infiltration								747	181			633	154	
	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)								2125	2361			1843	2359	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								2125	2361			1843	2359	
15	Duct loads						21%	43%	454	1022		21%	43%	394	
	Total room load								2579	3382			2237	3380	
	Air required (cfm)								0	151			0	151	

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

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1	Room name					Bth 2					Bth 3				
2	Exposed wall					9.0 ft					6.0 ft				
3	Room height					9.3 ft					9.3 ft				
4	Room dimensions					11.0 x 8.5 ft					11.0 x 6.0 ft				
5	Room area					93.5 ft²					66.0 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	n	3.39	2.79	0	0	0	0	56	56	190	156	
11	G	2B-2fv	0.330	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.39	2.79	84	84	284	234	0	0	0	0	
	G	10C-v	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.39	2.79	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	w	3.39	2.79	0	0	0	0	0	0	0	0	
	G	10C-v	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
G	2B-2fv	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0		
R	12B-0sw	0.097	-	0.00	0.00	0	0	0	0	0	0	0	0		
D	11D0	0.390	n	0.00	0.00	0	0	0	0	0	0	0	0		
C	16B-38ad	0.026	-	0.00	0.00	0	0	0	0	0	0	0	0		
C	A-Standard Blown R-3	0.026	-	0.97	1.40	94	94	90	131	66	66	64	92		
F	22A-tpi	0.989	-	0.00	0.00	0	0	0	0	0	0	0	0		

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

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1	Room name					Open2GreatRm 22.5 ft					Bed 2 WIC 4.0 ft				
2	Exposed wall					9.3 ft					9.3 ft				
3	Room height					17.5 x 15.0 ft					8.0 x 4.0 ft				
4	Room dimensions					262.5 ft²					32.0 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	n	3.39	2.79	0	0	0	0	37	37	126	104	
11	G	2B-2fv	0.330	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.39	2.79	0	0	0	0	0	0	0	0	
	G	10C-v	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.39	2.79	47	47	158	130	0	0	0	0	
	W	12C-0sw	0.091	w	3.39	2.79	163	103	350	288	0	0	0	0	
	G	10C-v	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	36	0	442	945	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	w	12.28	26.25	24	0	295	630	0	0	0	0	
G	2B-2fv	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0		
R	12B-0sw	0.097	-	0.00	0.00	0	0	0	0	0	0	0	0		
D	11D0	0.390	n	0.00	0.00	0	0	0	0	0	0	0	0		
C	16B-38ad	0.026	-	0.00	0.00	0	0	0	0	0	0	0	0		
C	A-Standard Blown R-3	0.026	-	0.97	1.40	262	262	254	367	32	32	31	45		
F	22A-tpl	0.989	-	0.00	0.00	0	0	0	0	0	0	0	0		
6	c) AED excursion								547				-14		
	Envelope loss/gain							1498	2906			157	135		
12	a) Infiltration							570	138			101	25		
	b) Room ventilation							0	0			0	0		
13	Internal gains: Occupants @ 230					0			0	0			0	0	
	Appliances/other								900				0	0	
	Subtotal (lines 6 to 13)							2068	3944			259	159		
	Less external load							0	0			0	0		
	Less transfer							0	0			0	0		
	Redistribution							0	0			0	0		
14	Subtotal							2068	3944			259	159		
15	Duct loads					21%	43%	442	1707	21%	43%	55	69		
	Total room load							2509	5651			314	228		
	Air required (cfm)							0	253			0	10		

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

Sanford, FL 32771 Phone: 877-906-1113 Web: StradaServices.com License: CAC043953

1	Room name					Bed 3 WIC					Bed 4 WIC				
2	Exposed wall					4.0 ft					0 ft				
3	Room height					9.3 ft					9.3 ft				
4	Room dimensions					8.5 x 4.0 ft					7.0 x 4.5 ft				
5	Room area					34.0 ft²					31.5 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	n	3.39	2.79	37	37	126	104	0	0	0	0	
11	G	2B-2fv	0.330	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	e	3.39	2.79	0	0	0	0	0	0	0	0	
	G	10C-v	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2B-2fv	0.330	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	s	3.39	2.79	0	0	0	0	0	0	0	0	
	W	12C-0sw	0.091	w	3.39	2.79	0	0	0	0	0	0	0	0	
	G	10C-v	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0	
G	2B-2fv	0.330	w	12.28	26.25	0	0	0	0	0	0	0	0		
G	2B-2fv	0.330	w	0.00	0.00	0	0	0	0	0	0	0	0		
R	12B-0sw	0.097	-	0.00	0.00	0	0	0	0	0	0	0	0		
D	11D0	0.390	n	0.00	0.00	0	0	0	0	0	0	0	0		
C	16B-38ad	0.026	-	0.00	0.00	0	0	0	0	0	0	0	0		
C	A-Standard Blown R-3	0.026	-	0.97	1.40	34	34	33	47	32	32	30	44		
F	22A-tpi	0.989	-	0.00	0.00	0	0	0	0	0	0	0	0		
6	c) AED excursion								-14				-4		
	Envelope loss/gain								159	137			30	40	
12	a) Infiltration								101	25			0	0	
	b) Room ventilation								0	0			0	0	
13	Internal gains: Occupants @ 230						0		0	0	0		0	0	
	Appliances/other								0	0			0	0	
	Subtotal (lines 6 to 13)								261	162			30	40	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								261	162			30	40	
15	Duct loads						21%	43%	56	70	21%	43%	7	17	
	Total room load								316	232			37	58	
	Air required (cfm)								0	10			0	3	

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

Sanford, FL 32771 Phone: 877-906-1113 Web: StradaServices.com License: CAC043953

1	Room name					Bed 5 WIC								
2	Exposed wall					16.0 ft								
3	Room height					9.3 ft					heat/cool			
4	Room dimensions					7.5 x 8.5 ft								
5	Room area					63.8 ft²								
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) 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	n	3.39	2.79	0	0	0	0				
11	G	2B-2fv	0.330	n	0.00	0.00	0	0	0	0				
	W	12C-0sw	0.091	e	3.39	2.79	70	70	237	195				
	G	10C-v	0.330	e	0.00	0.00	0	0	0	0				
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0				
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0				
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0				
	G	2A-2ov	0.330	e	12.28	26.25	0	0	0	0				
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0				
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0				
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0				
	G	2A-2ov	0.330	e	0.00	0.00	0	0	0	0				
W	12C-0sw	0.091	s	3.39	2.79	79	79	268	221					
W	12C-0sw	0.091	w	3.39	2.79	0	0	0	0					
	G	10C-v	0.330	w	0.00	0.00	0	0	0	0				
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0				
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0				
	G	2A-2ov	0.330	w	12.28	26.25	0	0	0	0				
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0				
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0				
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0				
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0				
	G	2A-2ov	0.330	w	0.00	0.00	0	0	0	0				
	G	2B-2fv	0.330	w	12.28	26.25	0	0	0	0				
	G	2B-2fv	0.330	w	0.00	0.00	0	0	0	0				
R	12B-0sw	0.097	-	0.00	0.00	0	0	0	0					
D	11D0	0.390	n	0.00	0.00	0	0	0	0					
C	16B-38ad	0.026	-	0.00	0.00	0	0	0	0					
C	A-Standard Blown R-3	0.026	-	0.97	1.40	64	64	62	89					
F	22A-tpi	0.989	-	0.00	0.00	0	0	0	0					
6	c) AED excursion									-49				
	Envelope loss/gain								567	456				
12	a) Infiltration								405	98				
	b) Room ventilation								0	0				
13	Internal gains: Occupants @ 230						0			0				
	Appliances/other									0				
	Subtotal (lines 6 to 13)								972	554				
14	Less external load								0	0				
	Less transfer								0	0				
	Redistribution								0	0				
15	Subtotal								972	554				
	Duct loads						21%	43%	208	240				
	Total room load									1180	794			
	Air required (cfm)									0	35			

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



Duct System Summary

AH1-1stFlr

Strada Services

Job: Southampton
Date: 9.22.2025
By: MR
Plan: Southampton

Sanford, FL 32771 Phone: 877-906-1113 Web: StradaServices.com License: CAC043953

Project Information

For: America's Home Place
FL

	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	0.212 / 0.128 in H2O	0.212 / 0.128 in H2O
Lowest friction rate	0.124 in/100ft	0.124 in/100ft
Actual air flow	0 cfm	900 cfm
Total effective length (TEL)	275 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
Dining	c 2311	0	96	0.126	6.0	0x0	VIFx	53.6	115.0	st4
Foyer	c 1796	0	75	0.146	5.0	0x0	VIFx	39.9	105.0	st3
Great Room	c 2795	0	117	0.124	7.0	0x0	VIFx	61.2	110.0	st4
Kitch/Nook	c 1623	0	68	0.136	6.0	0x0	VIFx	40.2	115.0	st4
Kitch/Nook-A	c 1623	0	68	0.143	6.0	0x0	VIFx	43.1	105.0	st4
Living	c 2773	0	116	0.143	7.0	0x0	VIFx	38.5	110.0	st3
M Bed	c 2676	0	112	0.147	6.0	0x0	VIFx	39.4	105.0	st3
M Bth	c 1342	0	56	0.125	5.0	0x0	VIFx	54.4	115.0	st3
M WC	c 193	0	8	0.127	4.0	0x0	VIFx	52.4	115.0	st3
M WIC	c 1538	0	64	0.134	5.0	0x0	VIFx	42.9	115.0	st3
Pantry	c 1282	0	53	0.130	4.0	0x0	VIFx	48.1	115.0	st4
Powder	c 14	0	1	0.148	4.0	0x0	VIFx	33.4	110.0	st3
Utility/Mud	c 1612	0	67	0.134	5.0	0x0	VIFx	47.6	110.0	st4

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st3	Peak AVF	0	431	0.125	549	12.0	0 x 0	VinIFlx	
st4	Peak AVF	0	469	0.124	597	12.0	0 x 0	VinIFlx	



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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	0x 0	0	900	103.7	0.124	645	16.0	0x 0		VIFx	



Duct System Summary

AH2-2ndFlr

Strada Services

Job: Southampton
Date: 9.22.2025
By: MR
Plan: Southampton

Sanford, FL 32771 Phone: 877-906-1113 Web: StradaServices.com License: CAC043953

Project Information

For: America's Home Place
FL

	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	0.254 / 0.086 in H2O	0.254 / 0.086 in H2O
Lowest friction rate	0.172 in/100ft	0.172 in/100ft
Actual air flow	0 cfm	1113 cfm
Total effective length (TEL)	198 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
2nd Liv	c 1648	0	74	0.220	6.0	0x0	VIFx	20.7	95.0	st1
2nd Liv-A	c 1648	0	74	0.223	5.0	0x0	VIFx	18.8	95.0	st2
Bed 2	c 3559	0	159	0.235	7.0	0x0	VIFx	13.3	95.0	st2
Bed 2 WIC	c 228	0	10	0.231	4.0	0x0	VIFx	14.9	95.0	st2
Bed 3	c 3399	0	152	0.207	7.0	0x0	VIFx	22.5	100.0	st2
Bed 3 WIC	c 232	0	10	0.222	4.0	0x0	VIFx	19.3	95.0	st2
Bed 4	c 3382	0	151	0.207	7.0	0x0	VIFx	28.0	95.0	st1
Bed 4 WIC	c 58	0	3	0.210	4.0	0x0	VIFx	25.8	95.0	st1
Bed 5	c 3380	0	151	0.190	7.0	0x0	VIFx	33.8	100.0	st1
Bed 5 WIC	c 794	0	35	0.172	4.0	0x0	VIFx	37.7	110.0	st1
Bth2	c 552	0	25	0.212	4.0	0x0	VIFx	24.8	95.0	st1
Bth3	c 375	0	17	0.248	4.0	0x0	VIFx	12.7	90.0	st2
Open2GreatRm	c 2826	0	126	0.226	7.0	0x0	VIFx	17.4	95.0	st1
Open2GreatRm-A	c 2826	0	126	0.226	7.0	0x0	VIFx	17.2	95.0	st2

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	Peak AVF	0	565	0.172	528	14.0	0 x 0	VinIFlx	
st2	Peak AVF	0	548	0.207	698	12.0	0 x 0	VinIFlx	



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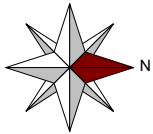
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Return Branch Detail Table

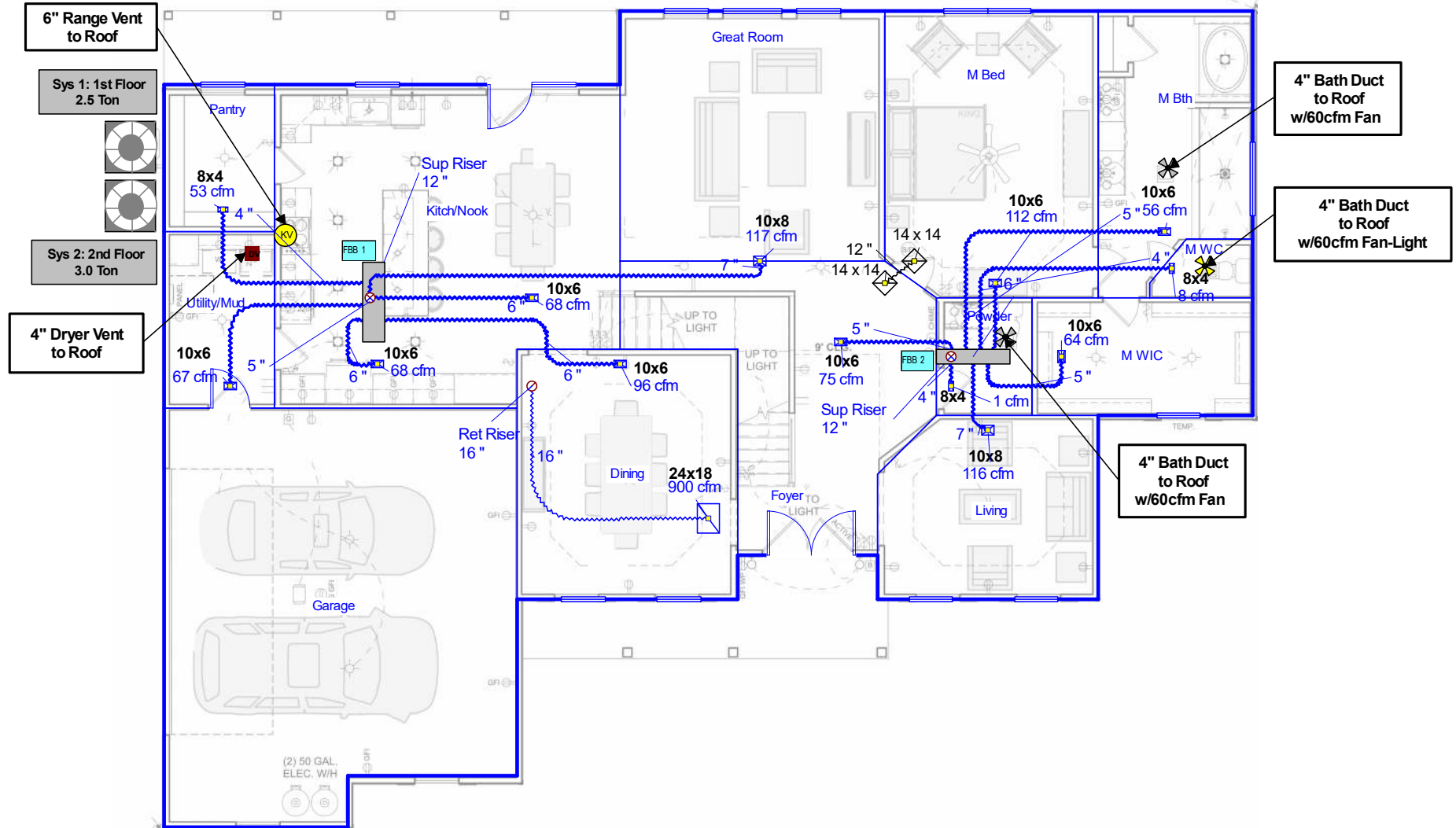
Name	Grille Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb2	0x0	0	1113	49.9	0.172	510	20.0	0x 0		VIFx	rst2

Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
rst2	Peak AVF	0	1113	0.172	630	18.0	0 x 0	VinIFlx	



1st Floor



Job #: Southampton
Performed by MR for:
America's Home Place

FL

Strada Services

Sanford, FL 32771
Phone: 877-906-1113 License: CAC043953
StradaServices.com

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