



Load Short Form

Entire House

Supreme Air llc

Job:
Date: Apr 10, 2014
By:

14000914

6203 Collinsway rd, Baltimore, MD 21228 Phone: 410-788-1114 Fax: 410-522-1178 Email: frankS@supremeairllc.com Web: www.supremeairllc.com

Project Information

For: Marcelo
13302 Springwood Ct, Ellicott City, Md 21042

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	13	94	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	57	19	Fireplaces	
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	47	36		

HEATING EQUIPMENT

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

COOLING EQUIPMENT

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

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Zone 1	4440	32345	12668	579	579
Zone 2	2072	29562	18393	778	778
Entire House	6512	61907	30863	1357	1786
Other equip loads		0	0		
Equip. @ 0.99 RSM			30523		
Latent cooling			3917		
TOTALS	6512	61907	34441	1357	1786

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



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**TRANE**

Load Short Form

Zone 1

Supreme Air llc

Job:
Date: Apr 10, 2014
By:

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Project Information

For: Marcelo
13302 Springwood Ct, Ellicott City, Md 21042

Design Information

	Htg	Clg	Infiltration	
Outside db (°F)	13	94	Method	Simplified
Inside db (°F)	70	75	Construction quality	Average
Design TD (°F)	57	19	Fireplaces	0
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	47	36		

HEATING EQUIPMENT

Make Water Furnace
Trade 5 Series Split
Model NDV049G1
AHRI ref 5361693

Efficiency 0 COP
Heating input 0 kW
Heating output 0 Btuh
Temperature rise 0 °F
Actual air flow 579 cfm
Air flow factor 0.018 cfm/Btuh
Static pressure 0 in H2O
Space thermostat

COOLING EQUIPMENT

Make Water Furnace
Trade 5 Series Split
Cond NDV049G1
Coil
AHRI ref 5361693

Efficiency 0 EER
Sensible cooling 0 Btuh
Latent cooling 0 Btuh
Total cooling 0 Btuh
Actual air flow 579 cfm
Air flow factor 0.046 cfm/Btuh
Static pressure 0 in H2O
Load sensible heat ratio 0.88

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Z1	4440	32345	17628	579	806
Zone 1	4440	32345	12668	579	579
Other equip loads		0	0		
Equip. @ 0.99 RSM			12529		
Latent cooling			1655		
TOTALS	4440	32345	14184	579	579

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Load Short Form Zone 2 Supreme Air Ilc

Job:
Date: Apr 10, 2014
By:

6203 Collinsway rd, Baltimore, MD 21228 Phone: 410-788-1114 Fax: 410-522-1178 Email: frankS@supremeairlc.com Web: www.supremeairlc.com

Project Information

For: Marcelo
13302 Springwood Ct, Ellicott City, Md 21042

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	13	94	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	57	19	Fireplaces	
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	47	36		

HEATING EQUIPMENT

Make Water Furnace
Trade 5 Series
Model NDV038A1
AHRI ref 5179371

Efficiency 0 COP
Heating input 0 kW
Heating output 0 Btuh
Temperature rise 0 °F
Actual air flow 778 cfm
Air flow factor 0.026 cfm/Btuh
Static pressure 0 in H2O
Space thermostat

COOLING EQUIPMENT

Make Water Furnace
Trade 5 Series
Cond NDV038A1
Coil
AHRI ref 5179371

Efficiency 0 EER
Sensible cooling 0 Btuh
Latent cooling 0 Btuh
Total cooling 0 Btuh
Actual air flow 778 cfm
Air flow factor 0.042 cfm/Btuh
Static pressure 0 in H2O
Load sensible heat ratio 0.89

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Z2	2072	29562	23189	778	981
Zone 2	2072	29562	18393	778	778
Other equip loads		0	0		
Equip. @ 0.99 RSM			18191		
Latent cooling			2262		
TOTALS	2072	29562	20453	778	778

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Load Short Form
Z1
Supreme Air llc

Job:
Date: Apr 10, 2014
By:

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Project Information

For: Marcelo
13302 Springwood Ct, Ellicott City, Md 21042

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	13	94	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	57	19	Fireplaces	
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	47	36		

HEATING EQUIPMENT

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

COOLING EQUIPMENT

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

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
1st Floor	1768	16452	13013	295	595
Basement	2372	7693	0	138	0
Great Room	300	8200	4615	147	211
Z1	4440	32345	17628	579	806
Other equip loads		0	0		
Equip. @ 0.99 RSM			17434		
Latent cooling			1655		
TOTALS	4440	32345	19089	579	806

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



**TRANE****Load Short Form****Z2****Supreme Air Ilc**

Job:

Date: Apr 10, 2014

By:

6203 Collinsway rd, Baltimore, MD 21228 Phone: 410-788-1114 Fax: 410-522-1178 Email: frankS@supremeairilc.com Web: www.supremeairilc.com

Project Information

For: Marcelo
13302 Springwood Ct, Ellicott City, Md 21042

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	13	94	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	57	19	Fireplaces	
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	47	36		

HEATING EQUIPMENT

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

COOLING EQUIPMENT

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

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
2nd Floor	1768	24281	20788	639	879
Room10	304	5282	2402	139	102
Z2	2072	29562	23189	778	981
Other equip loads		0	0		
Equip. @ 0.99 RSM			22934		
Latent cooling			2262		
TOTALS	2072	29562	25196	778	981

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Project Summary

Entire House

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Project Information

For: Marcelo
13302 Springwood Ct, Ellicott City, Md 21042

Notes:

Design Information

Weather: Baltimore Blt-Washngtn Int'l, MD, US

Winter Design Conditions

Outside db	13 °F
Inside db	70 °F
Design TD	57 °F

Summer Design Conditions

Outside db	94 °F
Inside db	75 °F
Design TD	19 °F
Daily range	M
Relative humidity	50 %
Moisture difference	36 gr/lb

Heating Summary

Structure	57573 Btuh
Ducts	4334 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	61907 Btuh

Sensible Cooling Equipment Load Sizing

Structure	26640 Btuh
Ducts	4223 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.99
Equipment sensible load	30523 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

Latent Cooling Equipment Load Sizing

Structure	3128 Btuh
Ducts	789 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	3917 Btuh
Equipment total load	34441 Btuh
Req. total capacity at 0.70 SHR	3.6 ton

	Heating	Cooling
Area (ft²)	6512	6512
Volume (ft³)	40928	40928
Air changes/hour	0.37	0.19
Equiv. AVF (cfm)	252	130

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

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

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Project Summary

Zone 1

Supreme Air Ilc

Job:
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6203 Collinsway rd, Baltimore, MD 21228 Phone: 410-788-1114 Fax: 410-522-1178 Email: franks@supremeairilc.com Web: www.supremeairilc.com

Project Information

For: Marcelo
13302 Springwood Ct, Ellicott City, Md 21042

Notes:

Design Information

Weather: Baltimore Blt-Washngtn Int'l, MD, US

Winter Design Conditions

Outside db	13 °F
Inside db	70 °F
Design TD	57 °F

Summer Design Conditions

Outside db	94 °F
Inside db	75 °F
Design TD	19 °F
Daily range	M
Relative humidity	50 %
Moisture difference	36 gr/lb

Heating Summary

Structure	32345 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	32345 Btuh

Sensible Cooling Equipment Load Sizing

Structure	12668 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.99
Equipment sensible load	12529 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

Latent Cooling Equipment Load Sizing

Structure	1655 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	1655 Btuh
Equipment total load	14184 Btuh
Req. total capacity at 0.70 SHR	1.5 ton

	Heating	Cooling
Area (ft²)	4440	4440
Volume (ft³)	21312	21312
Air changes/hour	0.38	0.19
Equiv. AVF (cfm)	134	69

Heating Equipment Summary

Make	Water Furnace
Trade	5 Series Split
Model	NDV049G1
AHRI ref	5361693
Efficiency	0 COP
Heating input	0 kW
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	579 cfm
Air flow factor	0.018 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Water Furnace
Trade	5 Series Split
Cond	NDV049G1
Coil	
AHRI ref	5361693
Efficiency	0 EER
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	579 cfm
Air flow factor	0.046 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0.88

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Project Summary

Zone 2

Supreme Air Ilc

Job:
Date: Apr 10, 2014
By:

6203 Collinsway rd, Baltimore, MD 21228 Phone: 410-788-1114 Fax: 410-522-1178 Email: frankS@supremeairlc.com Web: www.supremeairlc.com

Project Information

For: Marcelo
13302 Springwood Ct, Ellicott City, Md 21042

Notes:

Design Information

Weather: Baltimore Blt-Washngtn Int'l, MD, US

Winter Design Conditions

Outside db	13 °F
Inside db	70 °F
Design TD	57 °F

Summer Design Conditions

Outside db	94 °F
Inside db	75 °F
Design TD	19 °F
Daily range	M
Relative humidity	50 %
Moisture difference	36 gr/lb

Heating Summary

Structure	25228 Btuh
Ducts	4334 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	29562 Btuh

Sensible Cooling Equipment Load Sizing

Structure	14143 Btuh
Ducts	4251 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.99
Equipment sensible load	18191 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

Latent Cooling Equipment Load Sizing

Structure	1473 Btuh
Ducts	789 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	2262 Btuh
Equipment total load	20453 Btuh
Req. total capacity at 0.70 SHR	2.2 ton

	Heating	Cooling
Area (ft²)	2072	2072
Volume (ft³)	19616	19616
Air changes/hour	0.36	0.19
Equiv. AVF (cfm)	119	61

Heating Equipment Summary

Make	Water Furnace
Trade	5 Series
Model	NDV038A1
AHRI ref	5179371
Efficiency	0 COP
Heating input	0 kW
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	778 cfm
Air flow factor	0.026 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Water Furnace
Trade	5 Series
Cond	NDV038A1
Coil	
AHRI ref	5179371
Efficiency	0 EER
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	778 cfm
Air flow factor	0.042 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0.89

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Project Summary

Z1

Supreme Air Ilc

Job:
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By:

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Project Information

For: Marcelo
13302 Springwood Ct, Ellicott City, Md 21042

Notes:

Design Information

Weather: Baltimore Blt-Washngtn Int'l, MD, US

Winter Design Conditions

Outside db	13 °F
Inside db	70 °F
Design TD	57 °F

Summer Design Conditions

Outside db	94 °F
Inside db	75 °F
Design TD	19 °F
Daily range	M
Relative humidity	50 %
Moisture difference	36 gr/lb

Heating Summary

Structure	32345 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	32345 Btuh

Sensible Cooling Equipment Load Sizing

Structure	17628 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.99
Equipment sensible load	17434 Btuh

Infiltration

Method	Simplified	
Construction quality	Average	
Fireplaces	0	
	Heating	Cooling
Area (ft ²)	4440	4440
Volume (ft ³)	21312	21312
Air changes/hour	0.38	0.19
Equiv. AVF (cfm)	134	69

Latent Cooling Equipment Load Sizing

Structure	1655 Btuh
Ducts	0 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	1655 Btuh
Equipment total load	19089 Btuh
Req. total capacity at 0.70 SHR	2.1 ton

Heating Equipment Summary

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

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

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Project Summary

Z2

Supreme Air Ilc

Job:
Date: Apr 10, 2014
By:

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Project Information

For: Marcelo
13302 Springwood Ct, Ellicott City, Md 21042

Notes:

Design Information

Weather: Baltimore Blt-Washngtn Int'l, MD, US

Winter Design Conditions

Outside db	13 °F
Inside db	70 °F
Design TD	57 °F

Summer Design Conditions

Outside db	94 °F
Inside db	75 °F
Design TD	19 °F
Daily range	M
Relative humidity	50 %
Moisture difference	36 gr/lb

Heating Summary

Structure	25228 Btuh
Ducts	4334 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	29562 Btuh

Sensible Cooling Equipment Load Sizing

Structure	17738 Btuh
Ducts	5452 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.99
Equipment sensible load	22934 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

Latent Cooling Equipment Load Sizing

Structure	1473 Btuh
Ducts	789 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	2262 Btuh
Equipment total load	25196 Btuh
Req. total capacity at 0.70 SHR	2.7 ton

	Heating	Cooling
Area (ft²)	2072	2072
Volume (ft³)	19616	19616
Air changes/hour	0.36	0.19
Equiv. AVF (cfm)	119	61

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

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.





Right-J® Worksheet

Entire House

Supreme Air Ilc

Job:
Date: Apr 10, 2014
By:

6203 Collinsway rd, Baltimore, MD 21228 Phone: 410-788-1114 Fax: 410-522-1178 Email: frankS@supremeairilc.com Web: www.supremeairilc.com

1	Room name					Entire House					Zone 1				
2	Exposed wall					691.0 ft					471.0 ft				
3	Room height					9.2 ft					9.1 ft				
4	Room dimensions														
5	Room area					6512.0 ft²					4440.0 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	12E-0bw	0.068	n	3.88	1.08	729	609	2365	661	387	323	1254	350	
	G	1D-c2ow	0.570	n	32.55	21.67	92	0	2994	1994	64	0	2083	1387	
	D	11D0	0.390	n	22.27	12.11	28	28	624	339	0	0	0	0	
11	W	12E-0sw	0.068	n	3.88	1.49	544	464	1802	693	0	0	0	0	
	G	1D-c2ow	0.570	n	32.55	21.67	80	0	2604	1734	0	0	0	0	
	W	15A11-0fcw-8	0.088	n	2.68	0.00	696	696	1868	0	696	696	1868	0	
	W	12E-0bw	0.068	e	3.88	1.08	324	308	1196	334	270	254	986	275	
	G	1D-c2ow	0.570	e	32.55	63.71	16	0	521	1019	16	0	521	1019	
	W	12E-0sw	0.068	e	3.88	1.49	510	494	1918	737	270	270	1048	403	
	G	1D-c2ow	0.570	e	32.55	63.71	16	0	521	1019	0	0	0	0	
	W	15A11-0fcw-8	0.088	e	2.68	0.00	384	384	1031	0	384	384	1031	0	
	W	12E-0bw	0.068	s	3.88	1.08	603	472	1831	512	603	472	1831	512	
	G	1D-c2ow	0.570	s	32.55	33.19	96	0	3135	3198	96	0	3135	3198	
	D	11D0	0.390	s	22.27	12.11	35	35	779	424	35	35	779	424	
	W	12E-0sw	0.068	s	3.88	1.49	896	783	3042	1169	360	327	1271	489	
	G	1D-c2ow	0.570	s	32.55	33.19	113	0	3667	3740	33	0	1063	1084	
	W	15A11-0fcw-8	0.088	s	2.68	0.00	696	696	1868	0	696	696	1868	0	
	W	12E-0bw	0.068	w	3.88	1.08	153	137	532	149	99	83	322	90	
	G	1D-c2ow	0.570	w	32.55	63.71	16	0	521	1019	16	0	521	1019	
	W	12E-0sw	0.068	w	3.88	1.49	510	494	1918	737	270	270	1048	403	
	G	1D-c2ow	0.570	w	32.55	63.71	16	0	521	1019	0	0	0	0	
	W	15A11-0fcw-8	0.088	w	2.68	0.00	384	384	1031	0	384	384	1031	0	
	C	16B-30ad	0.032	-	1.83	1.75	304	304	555	531	0	0	0	0	
	C	16B-38ad	0.026	-	1.48	1.42	2068	2068	3070	2933	300	300	445	425	
	F	21B-32t	0.014	-	0.80	0.00	2372	2372	1896	0	2372	2372	1896	0	
6	c) AED excursion									0				171	
	Envelope loss/gain								41808	23960			24003	11250	
12	a) Infiltration								15765	2680			8342	1418	
	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)								57573	26640			32345	12668	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								57573	26640			32345	12668	
15	Duct loads						8%	16%	4334	4223	0%	0%	0	0	
	Total room load								61907	30863			32345	12668	
	Air required (cfm)								1357	1786			579	579	

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



Right-Suite® Universal 2013 13.0.12 RSU16744
...Marcelo, Napoleon & Isabel\Marcelo Project.rup Calc = MJ8 Front Door faces: N

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Right-J® Worksheet

Entire House

Supreme Air Ilc

Job:
Date: Apr 10, 2014
By:

6203 Collinsway rd, Baltimore, MD 21228 Phone: 410-788-1114 Fax: 410-522-1178 Email: frankS@supremeairllc.com Web: www.supremeairllc.com

1	Room name					Zone 2								
2	Exposed wall					220.0 ft								
3	Room height					9.5 ft								
4	Room dimensions													
5	Room area					2072.0 ft²								
	Ty	Construction number	U-value (Btu/h/ft²·°F)	Or	HTM (Btu/h/ft²)		Area (ft²) or perimeter (ft)		Load (Btu/h)		Area or perimeter		Load	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12E-0bw	0.068	n	3.88	1.08	342	286	1110	310				
11	G	1D-c2ow	0.570	n	32.55	21.67	28	0	911	607				
	D	11D0	0.390	n	22.27	12.11	28	28	624	339				
	W	12E-0sw	0.068	n	3.88	1.49	544	464	1802	693				
	G	1D-c2ow	0.570	n	32.55	21.67	80	0	2604	1734				
	W	15A11-0fcw-8	0.088	n	2.68	0.00	0	0	0	0				
	W	12E-0bw	0.068	e	3.88	1.08	54	54	210	59				
	G	1D-c2ow	0.570	e	32.55	63.71	0	0	0	0				
	W	12E-0sw	0.068	e	3.88	1.49	240	224	870	334				
	G	1D-c2ow	0.570	e	32.55	63.71	16	0	521	1019				
	W	15A11-0fcw-8	0.088	e	2.68	0.00	0	0	0	0				
	W	12E-0bw	0.068	s	3.88	1.08	0	0	0	0				
	G	1D-c2ow	0.570	s	32.55	33.19	0	0	0	0				
	D	11D0	0.390	s	22.27	12.11	0	0	0	0				
	W	12E-0sw	0.068	s	3.88	1.49	536	456	1771	681				
	G	1D-c2ow	0.570	s	32.55	33.19	80	0	2604	2655				
	W	15A11-0fcw-8	0.088	s	2.68	0.00	0	0	0	0				
	W	12E-0bw	0.068	w	3.88	1.08	54	54	210	59				
	G	1D-c2ow	0.570	w	32.55	63.71	0	0	0	0				
	W	12E-0sw	0.068	w	3.88	1.49	240	224	870	334				
	G	1D-c2ow	0.570	w	32.55	63.71	16	0	521	1019				
W	15A11-0fcw-8	0.088	w	2.68	0.00	0	0	0	0					
C	16B-30ad	0.032	-	1.83	1.75	304	304	555	531					
C	16B-38ad	0.026	-	1.48	1.42	1768	1768	2625	2508					
F	21B-32t	0.014	-	0.80	0.00	0	0	0	0					
6	c) AED excursion									0				
	Envelope loss/gain									17806	12881			
12	a) Infiltration									7423	1262			
	b) Room ventilation									0	0			
13	Internal gains: Occupants @ 230 Appliances/other							0		0	0			
	Subtotal (lines 6 to 13)									25228	14143			
	Less external load									0	0			
	Less transfer									0	0			
	Redistribution									0	0			
14	Subtotal									25228	14143			
15	Duct loads							17%	30%	4334	4251			
	Total room load									29562	18393			
	Air required (cfm)									778	778			

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



Wrightsoft

Right-Suite® Universal 2013 13.0.12 RSU16744

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...\\Marcelo, Napoleon & Isabel\\Marcelo Project.rup Calc = MJ8 Front Door faces: N

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Right-J® Worksheet

Zone 1

Supreme Air Ilc

Job:
Date: Apr 10, 2014
By:

6203 Collinsway rd, Baltimore, MD 21228 Phone: 410-788-1114 Fax: 410-522-1178 Email: frankS@supremeairllc.com Web: www.supremeairllc.com

1	Room name					Zone 1					Z1				
2	Exposed wall					471.0 ft					471.0 ft				
3	Room height					9.1 ft					9.1 ft				
4	Room dimensions														
5	Room area					4440.0 ft²					4440.0 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	12E-0bw	0.068	n	3.88	1.08	387	323	1254	350	387	323	1254	350	
	G	1D-c2ow	0.570	n	32.55	21.67	64	0	2083	1387	64	0	2083	1387	
	D	11D0	0.390	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12E-0sw	0.068	n	0.00	0.00	0	0	0	0	0	0	0	0	
11	G	1D-c2ow	0.570	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15A11-0fcw-8	0.088	n	2.68	0.00	696	696	1868	0	696	696	1868	0	
	W	12E-0bw	0.068	e	3.88	1.08	270	254	986	275	270	254	986	275	
	G	1D-c2ow	0.570	e	32.55	63.71	16	0	521	1019	16	0	521	1019	
	W	12E-0sw	0.068	e	3.88	1.49	270	270	1048	403	270	270	1048	403	
	G	1D-c2ow	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15A11-0fcw-8	0.088	e	2.68	0.00	384	384	1031	0	384	384	1031	0	
	W	12E-0bw	0.068	s	3.88	1.08	603	472	1831	512	603	472	1831	512	
	G	1D-c2ow	0.570	s	32.55	33.19	96	0	3135	3198	96	0	3135	3198	
	D	11D0	0.390	s	22.27	12.11	35	35	779	424	35	35	779	424	
	W	12E-0sw	0.068	s	3.88	1.49	360	327	1271	489	360	327	1271	489	
	G	1D-c2ow	0.570	s	32.55	33.19	33	0	1063	1084	33	0	1063	1084	
	W	15A11-0fcw-8	0.088	s	2.68	0.00	696	696	1868	0	696	696	1868	0	
	W	12E-0bw	0.068	w	3.88	1.08	99	83	322	90	99	83	322	90	
	G	1D-c2ow	0.570	w	32.55	63.71	16	0	521	1019	16	0	521	1019	
	W	12E-0sw	0.068	w	3.88	1.49	270	270	1048	403	270	270	1048	403	
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15A11-0fcw-8	0.088	w	2.68	0.00	384	384	1031	0	384	384	1031	0	
	C	16B-30ad	0.032	-	0.00	0.00	0	0	0	0	0	0	0	0	
	C	16B-38ad	0.026	-	1.48	1.42	300	300	445	425	300	300	445	425	
	F	21B-32t	0.014	-	0.80	0.00	2372	2372	1896	0	2372	2372	1896	0	
6	c) AED excursion									171				5131	
	Envelope loss/gain								24003	11250			24003	16210	
12	a) Infiltration								8342	1418			8342	1418	
	b) Room ventilation								0	0			0	0	
13	Internal gains: Occupants @ 230 Appliances/other						0		0	0		0	0	0	
	Subtotal (lines 6 to 13)								32345	12668			32345	17628	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								32345	12668			32345	17628	
15	Duct loads						0%	0%	0	0		0%	0%	0	
	Total room load								32345	12668			32345	17628	
	Air required (cfm)								579	579			579	806	

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



Right-Suite® Universal 2013 13.0.12 RSU16744
...Marcelo, Napoleon & Isabel Marcelo Project.rup Calc = MJ8 Front Door faces: N

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Right-J® Worksheet

Zone 2

Supreme Air llc

Job:
Date: Apr 10, 2014
By:

6203 Collinsway rd, Baltimore, MD 21228 Phone: 410-788-1114 Fax: 410-522-1178 Email: frankS@supremeairllc.com Web: www.supremeairllc.com

1	Room name					Zone 2					Z2				
2	Exposed wall					220.0 ft					220.0 ft				
3	Room height					9.5 ft					9.5 ft				
4	Room dimensions														
5	Room area					2072.0 ft²					2072.0 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	12E-0bw	0.068	n	3.88	1.08	342	286	1110	310	342	286	1110	310	
11	G	1D-c2ow	0.570	n	32.55	21.67	28	0	911	607	28	0	911	607	
	D	11D0	0.390	n	22.27	12.11	28	28	624	339	28	28	624	339	
	W	12E-0sw	0.068	n	3.88	1.49	544	464	1802	693	544	464	1802	693	
	G	1D-c2ow	0.570	n	32.55	21.67	80	0	2604	1734	80	0	2604	1734	
	W	15A11-0fcw-8	0.088	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12E-0bw	0.068	e	3.88	1.08	54	54	210	59	54	54	210	59	
	G	1D-c2ow	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12E-0sw	0.068	e	3.88	1.49	240	224	870	334	240	224	870	334	
	G	1D-c2ow	0.570	e	32.55	63.71	16	0	521	1019	16	0	521	1019	
	W	15A11-0fcw-8	0.088	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12E-0bw	0.068	s	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	s	0.00	0.00	0	0	0	0	0	0	0	0	
	D	11D0	0.390	s	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12E-0sw	0.068	s	3.88	1.49	536	456	1771	681	536	456	1771	681	
	G	1D-c2ow	0.570	s	32.55	33.19	80	0	2604	2655	80	0	2604	2655	
	W	15A11-0fcw-8	0.088	s	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12E-0bw	0.068	w	3.88	1.08	54	54	210	59	54	54	210	59	
G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0		
W	12E-0sw	0.068	w	3.88	1.49	240	224	870	334	240	224	870	334		
G	1D-c2ow	0.570	w	32.55	63.71	16	0	521	1019	16	0	521	1019		
W	15A11-0fcw-8	0.088	w	0.00	0.00	0	0	0	0	0	0	0	0		
C	16B-30ad	0.032	-	-	1.83	1.75	304	304	555	531	304	304	555	531	
C	16B-38ad	0.026	-	-	1.48	1.42	1768	1768	2625	2508	1768	1768	2625	2508	
F	21B-32t	0.014	-	-	0.00	0.00	0	0	0	0	0	0	0	0	
6	c) AED excursion									0				3595	
	Envelope loss/gain								17806	12881			17806	16476	
12	a) Infiltration								7423	1262			7423	1262	
	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)								25228	14143			25228	17738	
14	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
	Subtotal								25228	14143			25228	17738	
15	Duct loads						17%	30%	4334	4251	17%	30%	4334	5452	
	Total room load								29562	18393			29562	23189	
	Air required (cfm)								778	778			98	98	

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



Right-Suite® Universal 2013 13.0.12 RSU16744
...Marcelo, Napoleon & Isabel\Marcelo Project.rup Calc = MJ8 Front Door faces: N

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Right-J® Worksheet Z1 Supreme Air Ilc

Job:
Date: Apr 10, 2014
By:

6203 Collinsway rd, Baltimore, MD 21228 Phone: 410-788-1114 Fax: 410-522-1178 Email: frankS@supremeairllc.com Web: www.supremeairllc.com

1	Room name					Z1					1st Floor					
2	Exposed wall					471.0 ft					151.0 ft					
3	Room height					9.1 ft					9.0 ft					
4	Room dimensions										1.0 x 1768.0 ft					
5	Room area					4440.0 ft²					1768.0 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	12E-0bw	0.068	n	3.88	1.08	387	323	1254	350	387	323	1254	350		
	G	1D-c2ow	0.570	n	32.55	21.67	64	0	2083	1387	64	0	2083	1387		
	D	11D0	0.390	n	0.00	0.00	0	0	0	0	0	0	0	0		
11	W	12E-0sw	0.068	n	0.00	0.00	0	0	0	0	0	0	0	0		
	G	1D-c2ow	0.570	n	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15A11-0fcw-8	0.088	n	2.68	0.00	696	696	1868	0	0	0	0	0		
	W	12E-0bw	0.068	e	3.88	1.08	270	254	986	275	270	254	986	275		
	G	1D-c2ow	0.570	e	32.55	63.71	16	0	521	1019	16	0	521	1019		
	W	12E-0sw	0.068	e	3.88	1.49	270	270	1048	403	0	0	0	0		
	G	1D-c2ow	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15A11-0fcw-8	0.088	e	2.68	0.00	384	384	1031	0	0	0	0	0		
	W	12E-0bw	0.068	s	3.88	1.08	603	472	1831	512	603	472	1831	512		
	G	1D-c2ow	0.570	s	32.55	33.19	96	0	3135	3198	96	0	3135	3198		
	D	11D0	0.390	s	22.27	12.11	35	35	779	424	35	35	779	424		
	W	12E-0sw	0.068	s	3.88	1.49	360	327	1271	489	0	0	0	0		
	G	1D-c2ow	0.570	s	32.55	33.19	33	0	1063	1084	0	0	0	0		
	W	15A11-0fcw-8	0.088	s	2.68	0.00	696	696	1868	0	0	0	0	0		
	W	12E-0bw	0.068	w	3.88	1.08	99	83	322	90	99	83	322	90		
	G	1D-c2ow	0.570	w	32.55	63.71	16	0	521	1019	16	0	521	1019		
	W	12E-0sw	0.068	w	3.88	1.49	270	270	1048	403	0	0	0	0		
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0		
	W	15A11-0fcw-8	0.088	w	2.68	0.00	384	384	1031	0	0	0	0	0		
	C	16B-30ad	0.032	-	0.00	0.00	0	0	0	0	0	0	0	0		
	C	16B-38ad	0.026	-	1.48	1.42	300	300	445	425	0	0	0	0		
	F	21B-32t	0.014	-	0.80	0.00	2372	2372	1896	0	0	0	0	0		
6	c) AED excursion									5131				3885		
	Envelope loss/gain									24003	16210			11433	12160	
12	a) Infiltration									8342	1418			5019	853	
	b) Room ventilation									0	0			0	0	
13	Internal gains: Occupants @ 230 Appliances/other							0			0	0			0	0
	Subtotal (lines 6 to 13)									32345	17628			16452	13013	
	Less external load									0	0			0	0	
	Less transfer									0	0			0	0	
	Redistribution									0	0			0	0	
14	Subtotal									32345	17628			16452	13013	
15	Duct loads							0%	0%	0	0		-0%	0%	0	0
	Total room load									32345	17628			16452	13013	
	Air required (cfm)									579	806			295	593	

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





Right-J® Worksheet Z1 Supreme Air Ilc

Job:
Date: Apr 10, 2014
By:

6203 Collinsway rd, Baltimore, MD 21228 Phone: 410-788-1114 Fax: 410-522-1178 Email: frankS@supremeairlc.com Web: www.supremeairlc.com

1	Room name					Basement					Great Room				
2	Exposed wall					270.0 ft					50.0 ft				
3	Room height					8.0 ft					18.0 ft				
4	Room dimensions					1.0 x 2372.0 ft					20.0 x 15.0 ft				
5	Room area					2372.0 ft²					300.0 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	12E-0bw	0.068	n	3.88	1.08	0	0	0	0	0	0	0	0	
11	G	1D-c2ow	0.570	n	32.55	21.67	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	
	W	12E-0sw	0.068	n	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15A11-0fcw-8	0.088	n	2.68	0.00	696	696	1868	0	0	0	0	0	
	W	12E-0bw	0.068	e	3.88	1.08	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	e	32.55	63.71	0	0	0	0	0	0	0	0	
	W	12E-0sw	0.068	e	3.88	1.49	0	0	0	0	270	270	1048	403	
	G	1D-c2ow	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	15A11-0fcw-8	0.088	e	2.68	0.00	384	384	1031	0	0	0	0	0	
	W	12E-0bw	0.068	s	3.88	1.08	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	s	32.55	33.19	0	0	0	0	0	0	0	0	
	D	11D0	0.390	s	22.27	12.11	0	0	0	0	0	0	0	0	
	W	12E-0sw	0.068	s	3.88	1.49	0	0	0	0	360	327	1271	489	
	G	1D-c2ow	0.570	s	32.55	33.19	0	0	0	0	33	0	1063	1084	
	W	15A11-0fcw-8	0.088	s	2.68	0.00	696	696	1868	0	0	0	0	0	
	W	12E-0bw	0.068	w	3.88	1.08	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	w	32.55	63.71	0	0	0	0	0	0	0	0	
	W	12E-0sw	0.068	w	3.88	1.49	0	0	0	0	270	270	1048	403	
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0	
W	15A11-0fcw-8	0.088	w	2.68	0.00	384	384	1031	0	0	0	0	0		
C	16B-30ad	0.032	-	0.00	0.00	0	0	0	0	0	0	0	0		
C	16B-38ad	0.026	-	1.48	1.42	0	0	0	0	300	300	445	425		
F	21B-32t	0.014	-	0.80	0.00	2372	2372	1896	0	0	0	0	0	0	
6	c) AED excursion									0				1246	
Envelope loss/gain									7693	0			4876	4050	
12	a) Infiltration								0	0			3324	565	
b) Room ventilation								0	0			0	0	0	
13	Internal gains: Occupants @ 230 Appliances/other						0			0	0			0	0
Subtotal (lines 6 to 13)									7693	0			8200	4615	
Less external load									0	0			0	0	
Less transfer									0	0			0	0	
Redistribution									0	0			0	0	
14	Subtotal									7693	0			8200	4615
15	Duct loads						-0%	0%		0	0		-0%	0%	0
Total room load									7693	0			8200	4615	
Air required (cfm)									138	0			147	211	

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



Wrightsoft

Right-Suite® Universal 2013 13.0.12 RSU16744

...Marcelo, Napoleon & Isabel\Marcelo Project.rup Calc = MJ8 Front Door faces: N

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Right-J® Worksheet Z2 Supreme Air Ilc

Job:
Date: Apr 10, 2014
By:

6203 Collinsway rd, Baltimore, MD 21228 Phone: 410-788-1114 Fax: 410-522-1178 Email: frankS@supremeairllc.com Web: www.supremeairllc.com

1	Room name					Z2					2nd Floor				
2	Exposed wall					220.0 ft					195.0 ft				
3	Room height					9.5 ft					8.0 ft				
4	Room dimensions										1.0 x 1768.0 ft				
5	Room area					2072.0 ft²					1768.0 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	12E-0bw	0.068	n	3.88	1.08	342	286	1110	310	0	0	0	0	
	G	1D-c2ow	0.570	n	32.55	21.67	28	0	911	607	0	0	0	0	
	D	11D0	0.390	n	22.27	12.11	28	28	624	339	0	0	0	0	
11	W	12E-0sw	0.068	n	3.88	1.49	544	464	1802	693	544	464	1802	693	
	G	1D-c2ow	0.570	n	32.55	21.67	80	0	2604	1734	80	0	2604	1734	
	W	15A11-0fcw-8	0.088	n	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12E-0bw	0.068	e	3.88	1.08	54	54	210	59	0	0	0	0	
	G	1D-c2ow	0.570	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12E-0sw	0.068	e	3.88	1.49	240	224	870	334	240	224	870	334	
	G	1D-c2ow	0.570	e	32.55	63.71	16	0	521	1019	16	0	521	1019	
	W	15A11-0fcw-8	0.088	e	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12E-0bw	0.068	s	0.00	0.00	0	0	0	0	0	0	0	0	
	G	1D-c2ow	0.570	s	0.00	0.00	0	0	0	0	0	0	0	0	
	D	11D0	0.390	s	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12E-0sw	0.068	s	3.88	1.49	536	456	1771	681	536	456	1771	681	
	G	1D-c2ow	0.570	s	32.55	33.19	80	0	2604	2655	80	0	2604	2655	
	W	15A11-0fcw-8	0.088	s	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12E-0bw	0.068	w	3.88	1.08	54	54	210	59	0	0	0	0	
	G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0	0	0	0	0	
	W	12E-0sw	0.068	w	3.88	1.49	240	224	870	334	240	224	870	334	
	G	1D-c2ow	0.570	w	32.55	63.71	16	0	521	1019	16	0	521	1019	
	W	15A11-0fcw-8	0.088	w	0.00	0.00	0	0	0	0	0	0	0	0	
	C	16B-30ad	0.032	-	1.83	1.75	304	304	555	531	0	0	0	0	
	C	16B-38ad	0.026	-	1.48	1.42	1768	1768	2625	2508	1768	1768	2625	2508	
	F	21B-32t	0.014	-	0.00	0.00	0	0	0	0	0	0	0	0	
6	c) AED excursion									3595				3379	
	Envelope loss/gain								17806	16476			14185	14356	
12	a) Infiltration								7423	1262			5761	979	
	b) Room ventilation								0	0			0	0	
13	Internal gains: Occupants @ 230						0			0	0			0	0
	Appliances/other									0				0	0
	Subtotal (lines 6 to 13)								25228	17738			19946	15336	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								25228	17738			19946	15336	
15	Duct loads						17%	30%	4334	5452		22%	36%	4334	5452
	Total room load								29562	23189			24281	20788	
	Air required (cfm)								778	981			639	879	

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





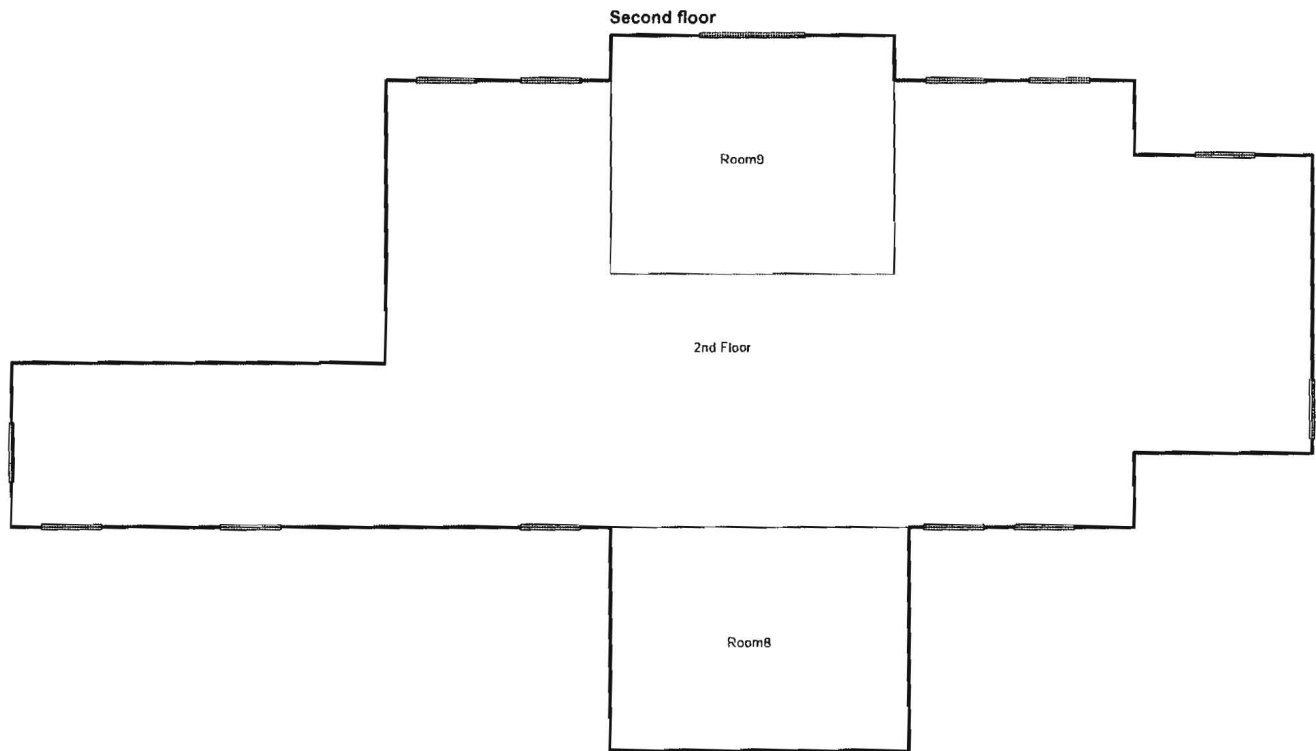
Right-J® Worksheet Z2 Supreme Air Ilc

Job:
Date: Apr 10, 2014
By:

6203 Collinsway rd, Baltimore, MD 21228 Phone: 410-788-1114 Fax: 410-522-1178 Email: frankS@supremeairllc.com Web: www.supremeairllc.com

1	Room name					Room10								
2	Exposed wall					25.0 ft								
3	Room height					18.0 ft					heat/cool			
4	Room dimensions					19.0 x 16.0 ft								
5	Room area					304.0 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	12E-0bw	0.068	n	3.88	1.08	342	286	1110	310				
	G	1D-c2ow	0.570	n	32.55	21.67	28	0	911	607				
	D	11D0	0.390	n	22.27	12.11	28	28	624	339				
11	W	12E-0sw	0.068	n	3.88	1.49	0	0	0	0				
	G	1D-c2ow	0.570	n	32.55	21.67	0	0	0	0				
	W	15A11-0fcw-8	0.088	n	0.00	0.00	0	0	0	0				
	W	12E-0bw	0.068	e	3.88	1.08	54	54	210	59				
	G	1D-c2ow	0.570	e	0.00	0.00	0	0	0	0				
	W	12E-0sw	0.068	e	3.88	1.49	0	0	0	0				
	G	1D-c2ow	0.570	e	32.55	63.71	0	0	0	0				
	W	15A11-0fcw-8	0.088	e	0.00	0.00	0	0	0	0				
	W	12E-0bw	0.068	s	0.00	0.00	0	0	0	0				
	G	1D-c2ow	0.570	s	0.00	0.00	0	0	0	0				
	D	11D0	0.390	s	0.00	0.00	0	0	0	0				
W	12E-0sw	0.068	s	3.88	1.49	0	0	0	0					
G	1D-c2ow	0.570	s	32.55	33.19	0	0	0	0					
W	15A11-0fcw-8	0.088	s	0.00	0.00	0	0	0	0					
W	12E-0bw	0.068	w	3.88	1.08	54	54	210	59					
G	1D-c2ow	0.570	w	0.00	0.00	0	0	0	0					
W	12E-0sw	0.068	w	3.88	1.49	0	0	0	0					
G	1D-c2ow	0.570	w	32.55	63.71	0	0	0	0					
W	15A11-0fcw-8	0.088	w	0.00	0.00	0	0	0	0					
C	16B-30ad	0.032	-	1.83	1.75	304	304	555	531					
C	16B-38ad	0.026	-	1.48	1.42	0	0	0	0					
F	21B-32t	0.014	-	0.00	0.00	0	0	0	0					
6	c) AED excursion									216				
Envelope loss/gain									3620	2119				
12	a) Infiltration								1662	282				
b) Room ventilation								0	0					
13	Internal gains: Occupants @ 230 Appliances/other							0		0				
Subtotal (lines 6 to 13)									5282	2402				
Less external load									0	0				
Less transfer									0	0				
Redistribution									0	0				
14	Subtotal									5282	2402			
15	Duct loads							-0%	0%	0	0			
Total room load									5282	2402				
Air required (cfm)									139	102				

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



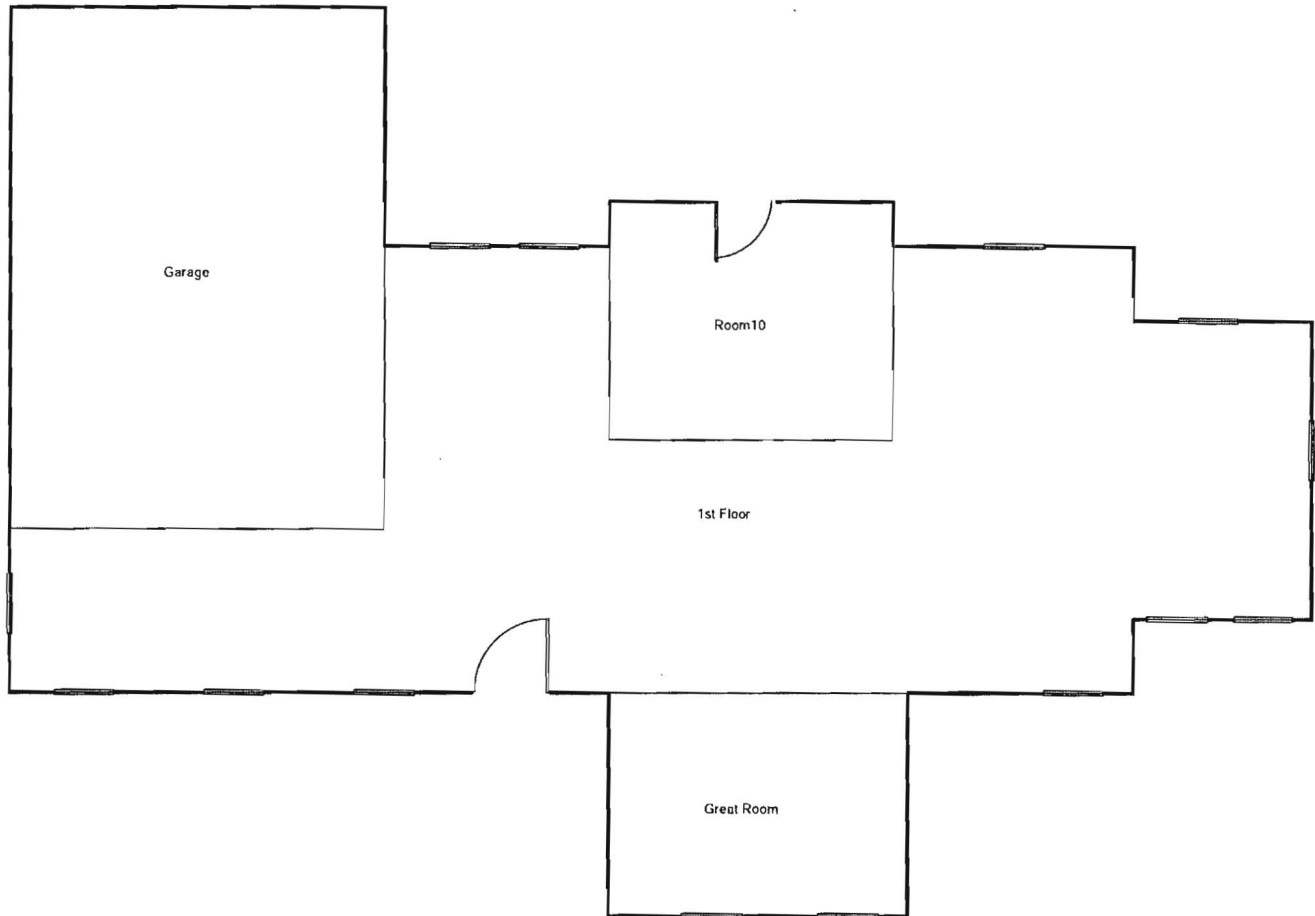
Job #:
Performed for:
Marcelo
13302 Springwood Ct
Ellicott City, Md 21042

Supreme Air llc
6203 Collinsway rd
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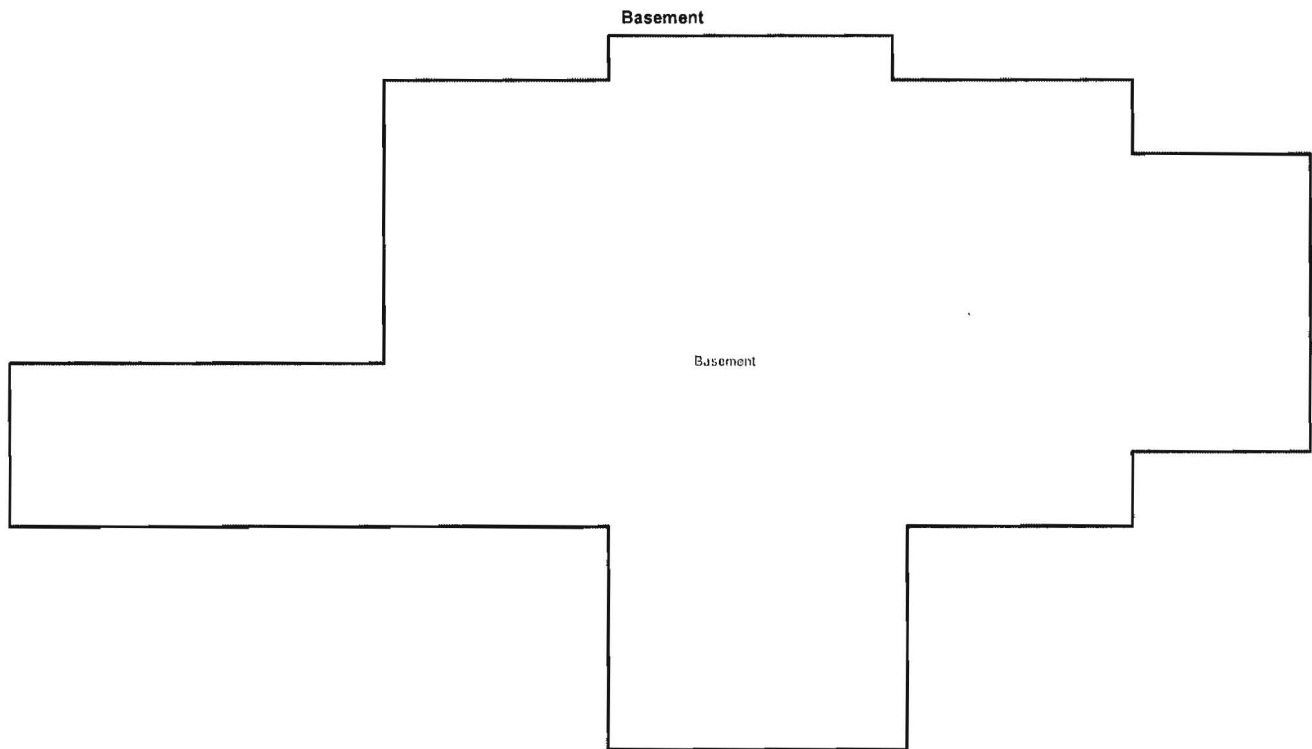
First floor



Job #:
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